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STORM DATA

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NOVEMBER

1973

Volume 15

No. 11

Asheville, N.C.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 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	
ALABAMA											
Rainsville, Dekalb County	15	5:30 p.			0	6	5	0			Wind
											High winds destroyed 10 mobile homes and two buildings, 12 other mobile homes heavily damaged. Buildings also damaged and trees and power lines torn down at Portersville and Valley Head.
Luverne, Crenshaw County	20	after-noon			0	0	4	0			Tornado
											Numerous witnesses as small tornado moved northward with only light drizzle occurring. Described as "darking white ribbon." Struck inside the city limits totally destroying house and mobile home and depositing roof of home 3 blocks away.
Langdale, Chambers County	21	7:45 a.		35	0	0	0	4			Tornado
											Tornado cut short path only 100 feet wide through wooded area. Public had reported funnel cloud in the area short time before.
Aliceville, Pickens County	26	3:40 p.									Funnel
											Mississippi Highway Patrol reported funnel cloud near Aliceville. No indication that it touched ground.
Arley, Addison, Winston County	26	4:20 p.			0	0	4	0			Tornado
											Tornado destroyed several buildings just south of Arley and moved northeast. Also witnessed near Addison.
Lamar County	26	4:38 p.			0	0					Tornado
											Tornado reported by State Troopers to have touched ground only briefly then receded into clouds. No known damage.
Sardis, Panama, Jones Chapel, Cullman County	26	5:20 p.			0	0	5	0			Wind
											Widespread wind damage northwest Cullman County. Several houses and farm buildings destroyed and mobile homes damaged.
Guin, Marion County	26	6:15 p.	6		0	5	5	0			Tornado
											Tornado struck in the northern edge of town and moved northeast. Several buildings and mobile homes destroyed. One of the 5 injuries critical.
Southwest Cullman County	27	6:30 p.			0	0	5	0			Tornado
											Tornado struck and destroyed Rock County Marina 5 miles southwest of Cullman near the Cullman-Winston County line. Boats sunk.
Huntsville, Madison County	27	6:33 p.	8		0	32	6	0			Tornado
											Tornado touched down on the Huntsville-Decatur Jetport and moved eastward finally breaking up in the northern business section of Huntsville. At the airport, the National Weather Service Office was partially unroofed and windows blown in. Duty personnel lingered to get out additional warning, then dived for stairwell. Winds were clocked at 94 mph before wind equipment failed. Large aircraft hanger heavily damaged with 46 aircraft damaged or destroyed. 28 industries or business establishments damaged, 67 homes damaged, 1 destroyed, 19 mobile homes destroyed and 3 damaged. Most of injuries were at mobile home park near airport and 10 were injured when wall of industrial plant caved in. Two motels damaged near where path ended along Memorial Parkway in north Huntsville.
Vinemont, Cullman County, Eva, Morgan County	27	6:45 p.			0	3	5	0			Tornado
											Tornado struck first at Vinemont, 8 miles north of Cullman, and moved northeast striking in Eva community short time later. Injuries occurred as three mobile homes destroyed. Several houses also damaged.
North-Central Alabama	27	8:00-11:00 p.						5	0		Wind
											Line of thunderstorms moved east-southeast across much of north-central Alabama. Widespread minor damage. Numerous homes without power mainly in the Birmingham-Gadsden area. Thunderstorms diminished over east-central Alabama late in evening.
Birmingham, Jefferson County	27	9:03 p.									Funnel
											Civil Defense reported funnel cloud along U. S. Route 280 southeast of Birmingham. No indication that it touched ground.
Eufaula, Barbour County	28	1:15 a.			0	0	4	0			Wind
											High winds heavily damaged two buildings and a church
ALASKA											
											NO STORM DATA REPORT RECEIVED FOR THIS STATE
ARIZONA											
											NONE REPORTED
ARKANSAS											
De Queen area, Sevier County	20	6:00 a. to 6:20 a.	5	100	0	6	5				Tornado
											Tornado touched down in south portion of De Queen then skipped northeastward through the southeast section of the city. Seven mobile homes, only two of which were occupied, and two houses were destroyed with 6 persons suffering minor injuries. A piano manufacturing company was heavily damaged, other businesses and homes had roofs blown off or damaged. Power lines and signs blown down and trees uprooted. One truck and trailer loaded with plywood was overturned.
South Ashley County	20	1:35 p.									Funnel Cloud
											Funnel cloud sighted 10 miles south of Crossett near the Arkansas-Louisiana border moving northeast at 30 mph.
Batesville, White County	20	2:12 p. to 2:45 p.									Funnel Cloud
											Funnel cloud reported by public east of Batesville at 2:12 P.M. Second funnel cloud reported 15 miles west of Batesville at 2:45 P.M. Both were moving eastward and neither was observed to touch down.
Ogden, Little River County	23	Late morning			0	0	4				Wind
											Strong wind demolished two mobile homes, blew down power lines and trees and damaged truck.
Blevins, Calhoun County	23	11:45 a. ?	?		0	0	3				Tornado
											Tornado moving northeastward touched down briefly, damaged two homes, trees, and power lines.
Avila Community, Saline County	23	11:15 p. ?	?		0	4	4				Tornado
											Tornado destroyed two mobile homes, overturned automobiles, and damaged one house. Four occupants of mobile homes received minor injuries. Tornado moved to northeast.
Eastern Saline County	23	1:33 p.									Funnel Cloud
											Funnel cloud reported 15 miles south of Little Rock in eastern Saline County. Movement was to the northeast.
Stuttgart, Arkansas County	23	3:45 p. to 4:12 p.			0	0	3				Hail, Funnel Cloud, and Wind
											Golf ball size hail reported at Stuttgart. Funnel cloud reported just south of Stuttgart at 4:12 P.M. About 50 wild ducks apparently killed by hail fall in the city of Stuttgart. Minor wind damage to several homes and some trees uprooted by wind.
Clarendon to Rich, Monroe County, and Garret Grove to Moro, Lee County	23	5:15 p.	18	200	0	1	5				Tornado
											Tornado touched down at Clarendon damaging one house and moved northeastward. A mobile home was destroyed near the intersection of Highways 17 and 79, and two mobile homes destroyed near Rich, all in Monroe County. All were unoccupied. One family had taken refuge in storm cellar. The tornado continued northeastward hitting Garret Grove in Lee County where it destroyed a store, 2 churches, and a residence. One person received minor injuries at Garret Grove. Movement continued northeastward to northwest of Moro in Lee County, where a large storage shed was destroyed. Witness reports tornado was on the ground 50% of the time.
Booneville, Logan County	23	8:00 p.			0	0	0				Hail
											Hail 1 1/4 inches in diameter reported at Booneville. No reports of damage.
Heber Springs, Cleburne County	24	2:20 p.									Funnel Cloud
											Funnel cloud reported 4 miles south of Heber Springs moving northeast 30 mph.
Bald Knob, White County	24	3:00 p.									Funnel Cloud
											Funnel cloud reported by public 3 miles north of Bald Knob moving northeast 35 mph.
Batesville, Independence County	24	3:25 p.									Funnel Cloud
											Funnel cloud reported by public 4 miles north of Batesville moving northeast 30 mph.
Fort Smith, Sebastian County	24	4:35 p.									Funnel Cloud
											Funnel cloud reported by the public over Fort Smith moving east-northeast.
Ogden, Little River County	24	6:15 p. ?	?		0	0	3				Tornado
											Tornado touched near Ogden destroying several out-buildings and blowing down power lines.

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					KILLED	INJURED	PROPERTY	CROPS	
ARKANSAS (continued)									
Lake Ouachita, Garland County	24	6:40 p.	5	100	0	0	4		Tornado
					Tornado touched down at Navy Landing on the northeast shore of Lake Ouachita and moved northeast to near Jessierville. One home destroyed and several others damaged.				
Mayflower, Faulkner County	24	6:40 p.	?	?	0	0	4		Tornado
					Tornado struck west of Mayflower destroying 2 mobile homes and one house, and blew down trees, fences, and out-buildings. Tornado was moving northeastward.				
Arkadelphia, Clark County	24	7:00 p.	1/4	150	0	0	3		Tornado
					Tornado touched down in outskirts of Arkadelphia twisting off trees and causing minor damage to homes. Movement was to the northeast.				
Lake Maumelle, Pulaski County	24	7:10 p.	1	40	0	0	3		Tornado
					Tornado was observed to touch down near the intersection of Highways 10 and 113 near the western shore of Lake Maumelle and move northeastward. Some timber knocked down and windows broken in nearby homes.				
Mountain View, Stone County	24	7:25 p.							Funnel Cloud
					Funnel cloud reported by public 3 miles east of Mountain View moving east-northeast 40-45 mph.				
Murfreesboro, Pike County	24	7:30 p.			0	0	?	?	Hail
					3/4 inch hail reported at Murfreesboro. No report of damage.				
Conway, Faulkner County	24	7:48 p.				1	5		Wind
					Strong wind destroyed 6 mobile homes and one house just east of Conway. One person received minor injury, but most homes unoccupied when storm hit.				
El Dorado area, Union County	24	7:50 p.			0	0	?		Hail
					Golf ball size hail reported 11 miles east of El Dorado. No report of damage.				
Rosebud, White County	24	8:00 p.	1 1/2	100	1	8	5		Tornado
					Tornado touched down at Rosebud killing one person and injuring eight others. Nine mobile homes and 3 houses were destroyed and several other houses damaged.				
Searcy, White County	24	8:03 p.							Funnel Cloud
					Public reports funnel cloud 10 miles west of Searcy on Highway 36. Movement unknown.				
Little Rock, Pulaski County	24	8:06 p.							funnel Cloud
					Funnel cloud reported by public 8 miles southwest of Little Rock. Some trees blown down in area but funnel not observed to touch down.				
Newport area, Jackson County	24	8:20 p.							Funnel Cloud
					Funnel cloud sighted by public southwest of Newport. Was moving northeast at 45 mph.				
Velvet Ridge area, White County	24	8:30 p.	?	?	0	4	5		Tornado
					Tornado destroyed 4 mobile homes and two houses and caused minor damage to several others. Four persons in one mobile home injured. Two others escaped injury by taking shelter in automobiles with windows rolled down.				
Augusta, Woodruff County	24	8:32 p.							Funnel Cloud
					Funnel cloud reported by public 10 miles northwest of Augusta moving east-northeast at 45 mph.				
Swifton, Jackson County	24	8:55 p.	1	200	0	1	5		Tornado
					Tornado moved northeastward through town of Swifton destroying 4 buildings and damaging about 20 others. One person injured when wall of home blew in on him.				
Dumas, Desha County	24	9:00 p.			0	0	4		Wind
					Strong wind overturned and demolished one mobile home, damaged farm buildings and roofs, and overturned grain trailers.				
Newport, Jackson County	24	9:30 p.	1 3/4	200	0	0	5		Tornado
					Tornado struck industrial area at Newport Air Base heavily damaging three industrial plants and destroying 15 mobile homes. Movement was to the northeast.				
Marmaduke, Greene County	24	9:30 p.			0	1	4		Wind
					Strong wind overturned and demolished one mobile home slightly injuring one person.				
ARKANSAS (continued)									
Sutton Community, Nevada County	26	4:30 a.			0	0	4		Wind
					Strong winds demolished chicken house containing 15,000 chickens and severely damaged two others.				
CALIFORNIA									
NORTHERN & CENTRAL									
San Jose, Santa Clara County	12	12:40p							Funnel cloud aloft
Crescent City, Del Norte County	13	15:48p							Water spout
					Pilot reported water spout 4 miles offshore and 6 miles north of Crescent City.				
CALIFORNIA									
SOUTHERN									
	17 & 18	NIGHT			8	?	?	?	STORM: WIND, RAIN AND HAIL
					ON THE NIGHT OF THE 17th AND THE MORNING OF THE 18th, A STORM BROUGHT 55 MPH WINDS, HAIL, RAIN AND SNOW TO THE LOS ANGELES AREA. MUD AND ROCK SLIDES CLOSED SEVERAL HIGHWAYS. BLACKOUTS CAUSED BY LIGHTNING AFFECTED 2,000 HOMES IN THE ALTADENA AND POMONA AREA. SURF WITH EIGHT-FOOT WAVES BOOMED AGAINST THE COAST. HAIL, MARBLE SIZE FELL IN PANORAMA CITY AND HOLLYWOOD. A WOMEN PILOT PERISHED IN A LIGHT PLANE NEAR SAN DIMAS WHEN THE PLANE STRUCK POWER LINES IN A DRIVING RAINSTORM AND EXPLODED. MINOR FLOODING WAS REPORTED IN RIVERSIDE COUNTY. 10-INCHES OF NEW SNOW WAS REPORTED IN SOME SOUTHERN CALIFORNIA MOUNTAINS. SEVEN PEOPLE WERE KILLED IN TRAFFIC ACCIDENTS ATTRIBUTED TO THE RAIN STORM.				
	18	MORNING OCCURED			10	0	?	?	SANDSTORM
					10 MILES SOUTHEAST OF COACHELLA				
	22	NIGHT			1	8	?	?	THUNDERSTORMS
					NUMEROUS POWER BLACKOUTS WERE CAUSED BY RAIN AND LIGHTNING. 1,000 HOMES IN THE WEST LOS ANGELES-BEVERLY HILLS AREA WERE WITHOUT ELECTRICITY. MINOR FLOODING WAS REPORTED IN THE SAN FERNANDO VALLEY. ROCKSLIDES AND HEAVY SNOW WERE REPORTED IN THE CRYSTAL LAKE AREA OF SAN GABRIEL CANYON. SNOW FLURRIES WERE OBSERVED IN THE SOUTHWEST PORTION OF BURBANK (ELEV. 540 FEET) FROM 2130-2140 PST. BLINDING RAIN WAS LISTED AS A CONTRIBUTORY TO 1 DEATH AND 8 INJURIES.				
	26	10LOAM	?						FUNNEL CLOUD
COLORADO									
Larimer County	3				0	4	4	0	Snow
					Up to 14 inches of snow fell in the Fort Collins area, stranding several motorists and causing light damage to utility lines. Four persons were injured when a patio roof collapsed under the weight of the snow.				
CONNECTICUT									
New Haven County	1				0	0	3	0	Damaging Winds
					Strong winds damaged trees and power lines.				
New Haven County	3				0	0	3	0	Damaging Winds
					Blustery winds toppled 130-foot amateur radio relay tower in Naugatuck.				
DELAWARE									
Newcastle County	1	Afternoon					4		Wind
					Strong winds behind cold front with gusts to over 50 mph reported in Wilmington area. Modular home demolished when blown off tow truck, while crossing St. Georges Bridge. Fifteen boats and section of dock pulled loose at Delaware City Marina.				
Wilmington area	16	Morning							Wind
					Strong NW winds following cold front passage caused some local power failures.				
Kent County, near Smyrna	27	Afternoon				1			Fog
					Dense fog caused several traffic accidents.				
Near Middletown	28	4:45 p.m.					3		Wind
					Strong winds following cold frontal passage, with gusts to over 50 mph, tore 3/4 of roof off 150-year old house and damaged a greenhouse				
FLORIDA									
					NONE REPORTED				

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GEORGIA																																							
Savannah	9	1:30 p.	1	200	0	0	5	0	Tornado																														
									Small tornado touched down about 3 miles east of Savannah on Talahi Island and moved eastward. Property damage was estimated 50 - 75 thousand dollars.																														
Toccoa	21	9:30 a.	?	?	0	0	4	0	Tornado																														
									Tornado 2 to 3 miles southeast of Toccoa damaged theatre and destroyed chicken house. Moved toward northeast.																														
Columbus	21	8:00 a.			0	0	5	0	Severe thunderstorm																														
									A severe thunderstorm accompanied by strong winds and heavy rains caused extensive property damage over a four block residential section. Strong winds ripped roofs off several houses, downed trees and utility lines.																														
Northwest	21	8:00 a.			0	0	4	0	Windstorm																														
									Strong winds accompanied by locally brief heavy rains over northwest portions of the State. Several northwest counties reported damage to roofs, trees and utility lines blown down. Numerous reports of wind damage to mobile homes and utility buildings in Bartow County.																														
Chatsworth	27	Afternoon			0	0	4	0	Heavy rains																														
									Heavy rainfall caused flash flooding of streets and forced evacuation of several homes. Hardest hit was northwest sections. In the county no major damage to bridges, however, some spots of rural roads were covered by water.																														
Thomasville	28	3:00 a.			0	0	3	0	Heavy rains and wind																														
									Heavy rains and winds disrupted power service over northeast area. One home was heavily damaged by falling tree limb.																														
HAWAII																																							
Central Oahu	1	afternoon			0	0	0	0	Thunderstorm and lightning																														
									3 Wheeler Elementary School third graders huddled under tree during rain struck by falling branches but escaped injury when lightning hit tree. Few minutes earlier at Makalapa near Pearl Harbor during break in rain youth wearing street clothes and rubber-soled shoes sitting in aluminum lawn chair at swimming pool side observed 8 inch static discharge flash along his right forearm but did not feel anything. Electric power outages occurred between 2 and 7 pm.																														
									Evening homebound traffic snarled.																														
Ewa, Oahu	1	4:40 p.							Water spout																														
North Hawaii Island	12	late aftn & evening			0	0	5	0	Heavy rain																														
									Rain sweeping through island chain caused about 60 landslides in the north Hilo district during the island's heaviest rain of 1973 closing a 17-mile stretch of the Belt Highway from Hakalau to Kaala. (It is believed that the April 26, 1973 earthquake loosened the rocks and boulders.) Water and mud from a flash flood swept through a home at Kawahae causing \$40,000 damage and rain poured through leaking roof of furniture store in Hilo damaging the stock of used furniture. Embankment earth-slide at Pepeekeo Sugar Mill closed mill and repairs estimated in excess of \$50,000. Snow fell on Nauna Kea.																														
									Heavy rain concentrated on windward side of Oahu day earlier flooding home in Waimanalo and knocked over 5 utility poles along Kailua Road and caused minor mud slides on Pali Highway and in Keolu Hills area.																														
5 miles north of Kaneohe Bay, Oahu	20	11:12 a. - 11:18 a.							Water spout																														
									Dark water spout extended down from cumulus cloud and ocean spray observed where water spout touched ocean surface as it moved northward.																														
Kaunali Gulch, Belt Highway, Hawaii Island	24	noon			0	1	3	0	Rain																														
									Rain loosened boulder, estimated 1 ton, hit right side of hood of car traveling towards Hilo causing \$2,000 damage to car and head injury to driver.																														
IDAHO																																							
Entire State					0	1	4	0	Snow, rain, wind																														
									A series of storms from the Pacific Northwest swept over Idaho during the month bringing above normal precipitation and unusually heavy snow for so early in the season. From the 1st through 6th lower elevations received rain while up to 5 feet of snow fell in higher mountains. Many hunters were stranded but all reported rescued. Some schools were closed for a day or two, slick roads made driving hazardous, and power outages were reported.																														
IDAHO (continued)																																							
									Another storm, bringing heavy rains, moved in the 11th and 12th. It was preceded by high winds and affected all sections of the State. A show windup was blown out in Caldwell by an estimated 50 m.p.h. gust of wind, several trailers blown over, trees downed causing power outages, roofs damaged, and one boy was injured when a store sign was blown down. Heavy rain in northern part of State caused mud and rock slides and some soil erosion.																														
									From the 18th to 20th snow fell over all of State causing hazardous driving conditions and temporary closing of some schools in north. Again on 24th and 25th a storm spread over the State leaving 6 to 12 inches of wet snow causing numerous minor accidents on slick roads.																														
									Some of the November precipitation records that were broken are:																														
									<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Nov. 1973</th> <th>Old Record & Year</th> </tr> </thead> <tbody> <tr> <td>Bonnors Ferry 1SW</td> <td>8.38 in.</td> <td>7.54 in. 1960</td> </tr> <tr> <td>Wallace Woodland Park</td> <td>10.66</td> <td>9.83 1946</td> </tr> <tr> <td>Lewiston AP</td> <td>2.79</td> <td>2.24 1958</td> </tr> <tr> <td>Dixie</td> <td>7.46</td> <td>6.99 1955</td> </tr> <tr> <td>Elk River</td> <td>10.17</td> <td>9.09 1955</td> </tr> <tr> <td>McCall</td> <td>9.25</td> <td>7.51 1926</td> </tr> <tr> <td>Payette</td> <td>3.43</td> <td>2.98 1898</td> </tr> <tr> <td>Boise WSP0</td> <td>2.44</td> <td>2.41 1963</td> </tr> <tr> <td>Island Park</td> <td>6.89</td> <td>5.79 1946</td> </tr> </tbody> </table>		Nov. 1973	Old Record & Year	Bonnors Ferry 1SW	8.38 in.	7.54 in. 1960	Wallace Woodland Park	10.66	9.83 1946	Lewiston AP	2.79	2.24 1958	Dixie	7.46	6.99 1955	Elk River	10.17	9.09 1955	McCall	9.25	7.51 1926	Payette	3.43	2.98 1898	Boise WSP0	2.44	2.41 1963	Island Park	6.89	5.79 1946
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									ILLINOIS																														
East Central Illinois	15	Early Morning			0	3	?	?	Wind, lightning.																														
									Severe thunderstorms moved through east central Illinois producing high winds and some lightning. Winds in excess of 50 mph blew off roofs of several homes and buildings and damaged some crops in an area between E. St. Louis and Edinburg. E. Alton was the area suffering the most damage. Two truck drivers were injured when high winds blew their vehicles off highways in the central Illinois area. Also one person was slightly injured by flying glass in E. Alton. Scott Air Force Base weather service had two unconfirmed reports of tornadoes in Swansea and Hillstadt at 4:30 AM.																														
Southern quarter of Illinois	23 24 25	72 hours			0	0	?	?	Thunderstorm Heavy rain																														
									Thunderstorms and heavy rains began in the morning of the 23rd and continued into the morning of the 25th in the southern quarter of Illinois. Southern Illinois Airport at Carbondale reported 3.20 inches of rain in a 24 hour period and the Illinois Forestry Service located north of Benton had measurements of over 5 inches. Streets were flooded around E. Frankfort and many homes were flooded in Marion and Benton.																														
INDIANA																																							
Terre Haute Vigo County	15	7:38A			0	3	6		Severe thunderstorm Wind																														
									Wind gusts to 65 mph. Most houses in a subdivision were damaged. One house demolished.																														
Muncie Area Delaware County	15	9:40A			0	0	5		Severe thunderstorm Wind																														
									Wind gusts to 65 mph. Warehouse under construction severely damaged. Falling trees did considerable damage. Trailers overturned.																														
Richmond Wayne County	15	10:00A			0	0	5		Severe thunderstorm Wind																														
									Barn partially destroyed. Several boats at an "agua marina" were destroyed or damaged.																														
Anderson Area Madison County	15	Morning			0	0	4		Severe thunderstorm Wind																														
									Several trailers in a trailer park were damaged.																														
Franklin Johnson County	15	10:20A			0	1	4		Severe thunderstorm Wind																														
									Trailer "flipped" over and ripped apart. Man in trailer injured but not seriously.																														
Gilman Madison County	15	Morning			0	0	4		Severe thunderstorm Wind																														
									Trailer was overturned and almost completely destroyed.																														
Kempton Tipton County	15	Morning			0	0	4		Severe thunderstorm Wind																														
									A barn and bunker silo destroyed. Several hogs trapped. One had to be killed.																														
Riddle Area Crawford County	25	4:00A			0	0	5		Severe thunderstorm Wind																														
									All electric sawmill partially destroyed. Several barns in the area were destroyed.																														
Marengo-Milltown Area Harrison County	25	4:00A			0	0	4		Severe thunderstorm Wind																														
									Extensive damage to roofs and outbuilds. Residents heard a loud roaring sound.																														

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INDIANA (continued)										
Salem Washington County	25	4:15A			0	9	4			Severe thunderstorm Wind
										Five mobile homes demolished. Several others severely damaged. Nine people taken to hospital. One admitted.
Paoli Area Orange County	25	4:00A			0	0	4			Severe thunderstorm Wind
										Mobile home demolished...several others severely damaged. Extensive damage to outbuildings in nearby farms.
Vicinity Tell City Perry County	25	4:00-4:30A			0	0	4			Severe thunderstorm Wind
IOWA										
1W Shenandoah, Page County	8	Late afternoon			1	4	0	0		Ice storm
										Car skidded on icy road and hit bridge killing woman driver, then bounced off railing and hit another car injuring four.
SSW St. Ansgar, Mitchell County	15	1:00-2:00 a			0	0	4	0		Lightning
										Destroyed large barn plus contents.
Peterson, Clay County	20	5:00 p			0	1	0	0		Lightning
										Man struck in grove of trees.
Marshalltown, Marshall County	20	6:00-6:30 p			0	0	4	0		Lightning
										Two wires arced and burned out transformer, tubes on radio station transmitter - station off air for several days.
KANSAS										
Allen County	1	Unknown			0	0	4	0		Lightning
										Fire ignited by lightning burned a barn and 2200 bales of hay about 15 miles southeast of Humboldt.
Marion County	2	8-10 p			0	0	4	0		Hail, Wind
										Combination of high winds and hail caused roof and window damage at Burns.
Neade County	19	4:30 p	1/2	35	0	0	3	0		Tornado
										Tornado briefly touched surface causing minor damage to farm building 15 miles south of Fowler.
Stafford County	19	6:15 p	16	60	0	0	5	0		Tornado
										Tornado touched down 6 miles west of St. John, and travelled north east to 1 mile east of Seward. Damage to farm homes and out buildings.
Barton County	19	6:35 p	12	50	0	0	5	0		Tornado
										Tornado touched down 4 miles south and 2 miles east of Ellinwood and moved northeast to about 8 1/2 miles northeast of Ellinwood. Damage confined to farm homes and outbuildings.
Ford County	19	7:00 p			0	0	?	?		Hail
										Local large hail to size of 1 inch.
Stafford County	19	7-8 p	1/2	narrow	0	0	4	0		Tornado
										Tornado briefly touched the surface 7 miles northwest of Stafford causing farm home and out building damage.
Eastern Lincoln County	19	8:00 p			0	0	4	0		Wind, Hail
										Strong damaging winds and local large hail caused considerable damage to farm buildings and power lines.
Reno County	19	8:08 p	1/2	narrow	0	0	4	0		Tornado
										Tornado briefly touched the surface causing mostly roof damage to farm home and outbuildings from about 4 miles northwest of Pretty Prairie northeastward for 2 1/2 miles.
McPherson County	19	8:45 p		short narrow	0	0	4	0		Tornado
										Tornado briefly touched the surface and caused damage to farm buildings and a pump house at Galva.
Cowley County	19	8:30-9 p			0	0	4	0		Wind
										Strong winds produced roof, tree, and power line damage at Winfield.
Cloud County	19	9:00 p			0	0	4	0		Wind
										Strong damaging winds caused considerable damage to farm outbuildings 9 miles southwest of Concordia.
Washington County	19	10:00 p	1/4	20	0	0	4	0		Tornado
										Tornado touched surface briefly 3 miles southwest of Haddam resulting in damage to machinery and outbuildings on one farmstead.
KANSAS (continued)										
Sedgwick County	19	11:45 p			0	0	5	0		Wind
										Strong winds caused extensive damage to apartment buildings at Haysville.
Coffey County	20	12:55 a	1	176	0	0	5	0		Tornado
										Tornado touched the surface just east of New Strawn at Highway 75 causing severe damage to buildings and boats at a boat factory and moved northward to 1 mile north of New Strawn causing further local outbuilding damage and destroying one barn.
Northwest and West Central	20	9:00 a 3:00 p			0	0	0	4		Blizzard
										A vicious early season snow storm with strong winds of 30-50 miles per hour spread over the area reducing visibilities to near zero and closing some highways. Blizzard or near blizzard occurred in the extreme northwest temporarily and snow fall of generally 4-6 inches ranged upwards to from 10-16 inches locally in Decatur and Norton Counties. Damage was primarily limited to unharvested crops.
KENTUCKY										
Trimble County	25	5:00 AM			0	0	4			Tornado
										Damaged or destroyed buildings on three different farms. Heavy rains added to damage.
Calloway County	25	6:15 AM			0	2	5			Tornado
										Caused extensive damage to several buildings and a mobile home. Two occupants of the mobile home were injured.
Campbell County	25	5:45 AM			0	2	4			Tornado
										Skipped for some 4 miles through farm country damaging several homes and barns. Two children received minor injuries at one of the more heavily damaged homes.
LOUISIANA										
Beauregard Parish	20	11:25AM-12:10 PM	50	100	0	1	4	0		Tornado
										Thunderstorms with heavy rains occurred in all sections of the state early Sunday morning. The heavy rains pushed many of the state's streams, already swollen from rain the previous weeks, out of their banks. The winds with the storms damaged or destroyed numerous mobile homes, buildings, and trees around the state. Most notable damage reports came from the following counties: Metcalfe, Green, Caldwell, Simpson, Williamsburg, Graves.
Concordia Parish	20	Aftn	1 1/2	100	0	0	3	0		Tornado
										Small tornado hit near Frogmore, damaged barn and tenant houses and downed power lines. Tornado moved toward the NE.
Morehouse Parish	20	1:35 PM	1	200	0	0	0	0		Tornado
										Tornado dipped down 15 NNE Bastrop, downed numerous trees along State Highway 139. Also cut power lines. News photo of tornado path through wooded area indicates definite tornado. Tornado moved NNE into Arkansas.
Morehouse Parish	24	8:50 PM	1/4	50	0	0	3	0		Tornado
										Small twister hit 6 S Bastrop, minor damage to one house, several trees downed. Tornado moved NNE.
West Baton Rouge Parish	25	5:00 AM			0	0	4	0		Wind
										High winds struck campus of Southern University in Baton Rouge, causing moderate to heavy damage to classrooms and dormitories. Windstorm possibly a tornado.
Tensas Parish	27	12:28 PM	2	60	0	0	0	0		Tornado
										Small twister hit just E of Waterproof, then moved NNE into Mississippi River. Witnesses report seeing trees flying through the air and describe the accompanying noise as 'sounding like several heavy bombers overhead'.
Sabine Parish	27	1:00 PM			0	0	2	0		Waterspout
										Witness reports seeing a large 'tornado' over Toledo Bend Lake accompanied by a small 'spinoff tornado'. According to him, the small tornado branched off from the larger one and hit his marina, causing minor damage. The tornado-waterspout then continued inland uprooting trees and downing power lines. 'It was black and had a lot of water around it from the lake'.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 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	KILLED	INJURED	PROPERTY	CROPS	
MAINE	NO STORM DATA REPORT RECEIVED FOR THIS STATE												
MARYLAND	Annapolis area												
	1	Afternoon						3					Wind
	Strong NW winds accompanying cold front downed trees and power lines. Also sent some boats adrift. Window of restaurant pulled loose and smashed on sidewalk.												
Garrett and Allegany Counties	5	Early morning											Snow
	Up to four inches of snow measured in first snowstorm of season.												
Aberdeen area	16	All day						4					Wind
	NW wind following cold front, with gusts over 30 mph, destroyed framework of new home under construction.												
Baltimore-Annapolis area	27	All day											Fog
	Dense fog blanketed area and resulted in a large number of traffic accidents.												
MASSACHUSETTS	Statewide												
	1	All Day				0	2	4	0				Wind
	Gale force west winds following storm reached gusts of 58 miles an hour at Logan Airport during the evening and blew down a few trees, numerous tree limbs and billboards, disrupted utilities. An unofficial wind gust of 100 miles an hour was reported from the northwest side of Martha's Vineyard. Two teenagers were bruised when a tree limb fell in front of their car causing them to veer off the road and hit a tree.												
MICHIGAN	NONE REPORTED												
MINNESOTA	NONE REPORTED												
MISSISSIPPI	Clinton and Jackson Hinds County												
	4	4 - 5 PM				0	0	6	0				Windstorm, Funnel Clouds
	Damaging Thunderstorm winds swept across the Clinton and Jackson area. Windows were blown out, trees uprooted, utility lines knocked down, and roofs blown off buildings. Seven aircraft damaged at Hawkins field in northwest Jackson where winds of 103 MPH were noted at FAA Hawkins tower. Major damage in north and northeast Jackson. A motel was partially unroofed and three adjacent buildings extensively damaged. Over sixty homes received roof or minor damage. Several funnel clouds were sighted during this period but apparently remained 20 to 60 feet above ground. Tops of numerous large trees snapped off. Damage estimated 1.5 to 2.0 million dollars.												
Near Greenwood Leflore County	20	3:30 PM	?	?	0	0	5	0					Tornado
	A tornado struck Fairfield Subdivision seven miles east of Greenwood destroying four houses and damaging five others.												
Teoc Carroll County	20	3:30 PM						3	0				Lightning
	Several cows killed												
Grenada, Tallahatchie Counties	20	3:30-4:20 PM	10	?	0	0	4	0					Tornado
	A tornado intermittently skipped across the western portion of Grenada County moving into Tallahatchie County. It first touched down near Leflore destroying a home, then dipped down to destroy a mobile home in Holdomb and moved northward to unroof a barn. Trees also uprooted.												
Indianola 3W Sunflower County	20	4:47 PM											Funnel Cloud
Birnside Neshoba County	20	7:10 PM											Funnel Cloud
	Funnel cloud 6 miles north of Philadelphia near Birnside.												
Clarksdale Coahoma County	24	10:10 PM											Funnel Cloud
Greenwood 10 N Leflore County	24	11 PM				0	0	3	0				Tornado
	A tornado demolished auto repair shop 10 miles north of Greenwood. Telephone poles downed.												
Near Greenwood	26	10:40 AM											Funnel Clouds
	Two funnel clouds reported.												
MISSISSIPPI (continued)	Oxford Lafayette County												
	26	Noon						0	0	?	?		Hail
	Hail up to 1-1/2 inch was reported.												
Clay County	26	1:15-1:30 PM	3	?	0	3	0	5					Tornado
	A tornado remaining aloft until near end of path crossed northern Clay County. A church and mobile home were destroyed, several barns damaged, trees uprooted. Three minor injuries.												
Webster County	26	1:30 PM	4	?	0	0	4	0					Tornado
	Tornado caused extensive property damage. One mobile home destroyed, buildings damaged, trees uprooted.												
Columbus Lowndes County	26	2:05 PM						0	0	?	?		Hail
	Hail 1-1/2 inch to 2-1/2 inch reported.												
Hatley Monroe County	26	2:20 PM	?	?	0	1	6	0					Tornado
	Tornado struck Hatley extensively damaging the roof of a bank and shattering its windows, destroying ten houses and damaging twenty others, damaging twenty cars, unroofing school. One minor injury.												
Monroe County	26	2:20-2:30 PM	8	?	0	1	4	0					Tornado
	A tornado intermittently skipped from Wren to near Amory. A mobile home was destroyed, trees and power lines downed.												
Sebastopol Scott County	26	2:35 PM						0	0	0	3		Hail
	Hail up to 1-1/2 inch reported.												
Madison 1/2 N Madison County	26	3:21 PM											Funnel Cloud
Aberdeen Monroe County	26	3:30 PM						0	0	0	3		Hail
	Hail up to 1-1/2 inch reported, also strong winds.												
Greenville Washington County	26	3:30-4:00 PM						0	0	?	?		Funnel Cloud, Winds, Hail
	A funnel cloud reported 2 miles west of Greenville. Greenville had wind gusts to 59 miles per hour and hail 1/2 inch to 2 inches.												
Florence Rankin County	26	4:00 PM											Funnel Cloud
	Funnel cloud reported 5 miles west of Florence. Three tails hanging from cloud.												
14 Miles East Macon Noxubee County	26	5:00 PM						0	0	0	4		Wind
	Winds damaged a silo and unroofed a house 14 miles east of Macon.												
Crystal Springs Copiah County	26	6 PM	?	?	0	0	?	0					Tornado
	Tornado four miles north northwest of Crystal Springs tore off upper structure of house, twisted several trees off. Debris scattered 1/4 mile to northeast.												
Prairie Point Noxubee County	26	6:30 PM											Funnel Clouds
	Three funnel clouds reported.												
Kemper and Noxubee Counties	26	6:30-6:45 PM						0	0	?	?		Winds
	Winds destroyed an historic 200 year old mill, damaged two houses at Gholson. Also damaged several barns in Noxubee County. Trees were uprooted.												
Corinth Alcorn County	26	6:30-6:15 PM											Funnel Clouds
	Two funnel clouds reported over the city.												
Plain Rankin County	26	6:45 PM						0	2	3	0		Windstorm
	Thunderstorm winds turned one mobile home on its side and damaged another. A child and a woman were injured.												
Brooksville Noxubee	26	6:50 PM	?	?	0	0	3	0					Tornado
	Tornado destroyed one mobile home and damaged another east of Brooksville. Also, buildings unroofed and trees down.												

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 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	
MONTANA (continued)											
Livingston Park County	11/20	Afternoon			0	2	4	0			Wind
Strong winds demolished mobile home when blown across I590 near Livingston. Highway traffic was delayed about three hours. Injury to two persons involved in accident on icy roads in traffic tieup near wreckage.											
NEBRASKA											
Panhandle Area	3 to 4	Daytime to Morning			0	0	3	0			Snow Storm
Heavy snow covered much of the Panhandle area with accumulations reported from 4 to 15 inches. About 12 inches in the immediate Alliance area.											
Central and Northeast Nebraska	19 to 21	Evening to Forenoon			0	0	5	0			Snow, Strong Winds, and Ice Storm
A combination of a snow and ice storm began late on the 19th in southwest Nebraska. McCook and Beaver City reported up to 10 inches of snow. As it spread east and northeastward a combination of rain and freezing rain caused widespread havoc especially in the south central and north-east portions of the state. The Loup Power District and Cornhusker Public Power considered it the worst storm in the past 25 to 30 years as far as electrical service was concerned. Rural areas were especially hard hit with ice causing power lines to snap and numerous poles down. In several areas the National Guard Units were used to furnish emergency power with portable generators. A few local communities were without power for at least 100 hours.											
NEVADA											
Pyramid Lake	3	0900P	30	200	0	0	0	0			Tornado - Water Spout 3 funnels
Sparks	5				0	0	5	0			Windstorm
Strong wind lifted roof and building collapsed.											
Stead Airport (12 miles N of Reno)	6	0130P			0	7	5	0			Windstorm
Strong wind hit trailer park and destroyed 11 mobile homes. 15 damaged.											
Carson City	6	0830P			0	0	5	0			Windstorm
Strong wind took roof off of auto dealers shop and show room.											
Las Vegas	12	1230P			0	0	6	0			Windstorm
Windstorm - 90 m.p.h. estimated. 18 Mobile Homes destroyed.											
NEW HAMPSHIRE NO STORM DATA REPORT RECEIVED FOR THIS STATE											
NEW JERSEY											
State Wide	1	Early AM to Late PM			1	8	5	0			Wind
A gusting windstorm rampaged across most of the State with gusts 55 to 60 MPH sending roof tops flying, uprooting scores of trees and knocking out power lines. The entire roof of a building in Trenton was blown off and demolished two parked cars. Several boats from the Monmouth Boat Club were damaged as they were blown into the fence of a neighboring tennis court. A cinder block wall blew over in the high winds and killed a man in Morris County.											
Morris County	5	Early AM			0	1	7	0			Glaze
Treacherous road conditions created by snow that turned to ice caused two tractor trailers to jackknife and collide. The extremely slippery conditions caused other numerous minor accidents.											
Salem County	28	5 to 6 PM									Tornado
NEW MEXICO NONE REPORTED											
NEW YORK											
COASTAL											
Extreme Southeastern	1	Early AM to late PM			0	0	5	0			Wind
Strong Westerly winds with a Low pressure system that was centered off the New England Coast produced strong winds with gusts to 65 MPH. This resulted in widespread but mostly minor damage, primarily to trees, roofs, windows and a factory wall on Long Island. A light plane was flipped over at Ramapo Valley Airport. Power failures were reported in many areas.											
Queens County	16	Daytime			1	1	0	0			Wind
A repairman was killed and another was injured when high winds swept them from the roof of an apartment building.											
NEW YORK CENTRAL											
Lee of Lake Ontario	6-7				0	0	?	0			SNOW
Cold West-northwesterly winds blowing across the warm waters of Lake Ontario caused locally heavy snow in a narrow band Southeast of the Lake. Significant snowfall was limited to a 25-30 mile band extending from Northern Cayuga County through Syracuse to about Utica. Northern Cayuga County was hardest hit with an 18-24" snowfall. Syracuse, with almost 16" received the heaviest snowfall so early in the season. The major portion of the snow fell on election day which compounded the normal snow related problems.											
NEW YORK WESTERN											
Niagara, Erie, and Chautauqua Counties	1	all day			0	1	unk	0			Wind and waves
Shoreline of Lake Erie was battered most of the day with strong winds gusting to 50 mph. Soil erosion occurred and strong winds caused creeks to backup resulting in minor flooding. Some trees were felled causing power blackouts and damages to dwellings. Several boats were sunk and some docks damaged. Most damages were at Silver Creek and Sunset Bay.											
Cattaraugus County	6-7	over-night			0	0	0	0			Heavy snow
A very localized snowstorm dumped 13 inches of snow on parts of the Town of South Valley overnight.											
Genesee County, Batavia	15	2:45 p.			0	0	3	0			Lightning
Lightning struck power lines causing power failures and an electrical fire.											
Niagara County, Lewiston area	15	3-4 p. and 10-11 p.			0	1	unk	0			Lightning
Lightning struck power transformers causing surges which damaged electrical appliances and other wires.											
Chautauqua County	28	1:15-3:30 p.			0	0	unk	0			Wind
Strong gusts of wind felled three trees which cut power twice.											
NORTH CAROLINA NONE REPORTED											
NORTH DAKOTA NO STORM DATA REPORT RECEIVED FOR THIS STATE											
OHIO											
Oak Harbor, Ottawa County	15	11:00 am			1			0			Electrical
A hunter was killed by a bolt of lightning during an electrical storm.											
Southwest	23-24	late night, early morning			0			4			Wind
A wind storm caused \$20,000 damage to a VW building in Harrison. There were reports of widespread roof, tree, and power line damage through southwest Ohio. Winds ripped the roof off of a restaurant in Highland County.											
OKLAHOMA											
Near Arnett, Ellis County	19	5:15 p.	3	40	0	0	4	0			Tornado
A tornado moving east-northeastward about 30 m.p.h. damaged several farm homes and outbuildings and downed some power lines south and east of Arnett. It was reported by the public to be 17 miles northeast of Arnett at 5:43 p.m., possibly as a funnel aloft.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
OKLAHOMA (continued)										
Near Altus, Jackson County	19	6:00 p. - 7:00 p.			0	0	4	5		Hail
			Hail to 1 1/2 inches in diameter was reported from near Olustee to Altus. Some scattered roof damage occurred and some damage to cotton occurred.							
Frederick, Tillman County	19	7:15 p. - 7:35 p.			0	0	0	0		Hail
			Hail to 2 inches in diameter fell for about 20 minutes in and near Frederick associated with an eastward moving thunderstorm.							
Kingfisher, Kingfisher County	19	7:20 p. - 7:30 p.			0	0	?	0		Hail
			Hail to 1 inch in diameter fell in Kingfisher with no injuries and only slight property damage.							
McClain, Cleveland, Oklahoma Counties	19	7:30 p. - 8:00 p.	24	500	5	46	6	0		Tornado
			A tornado, moving north-northeastward about 40 m.p.h. touched down a mile or so south-southwest of Blanchard about 7:30 p.m. and moved through western portions of Blanchard with top wind speeds estimated at 150-175 m.p.h. Thirty-one homes, 2 businesses and 2 churches were destroyed, and 44 homes and 2 businesses had major damage. Two occupants of a mobile home were killed and 18 others injured. Total damages to insured property were \$1.8 million. Heavy rain accompanied the tornado and apparently obscured any noise made by the storm. The tornado caused spotty damage north-east of Blanchard, mostly light, and then moved through Moore where it struck a trailer park in southern Moore and many homes and businesses in the northern sections. Two persons, children, were killed in the mobile home park where 37 mobile homes were destroyed and 30 damaged. On some trailers only the frame of the floor and the wheels remained. Of the 28 injuries in Moore, most occurred in the trailer park. Total damages in Moore were given as \$2.5 million. Substantial damage to a warehouse occurred about 8:00 p.m. at SE 89th Street where a watchman was killed by a concrete block wall collapsing. Minor roof damage occurred in southeast Oklahoma City and Del City northward to about 20th street southeast. Minor damage 1 3/4 miles west and 1 mile north of Alex (17 miles south-southwest of Blanchard) in Grady County may have been associated with this tornado also.							
Near Hennessey, Kingfisher County	19	7:40 p.	6	50	0	2	5	0		Tornado
			A tornado moving north-northeastward caused damage along a 6-to-7-mile path beginning southwest of Hennessey. Eight homes or farms including a mobile home suffered damage. Two children in the mobile home were injured and hospitalized.							
Tonkawa, Kay County	19	7:45 p. - 8:10 p.	15	60	0	6	6	0		Tornado
			A tornado touched down 8 miles southwest of Tonkawa, moved north-eastward through the east side of Tonkawa destroying 4 mobile homes and 4 businesses and damaging about 180 homes and rural buildings, 20 businesses, 1 city building, the city electrical system and a high school. Damages amounted to about \$1.5 million. There were 6 minor injuries. Spotty light damage occurred for 6 miles northeast of the city. Winds were measured at 78 m.p.h. at Northern Oklahoma College, off the direct path of the storm a little ways.							
Blackwell, Kay County	19	8:10 p. - 8:15 p.	2 1/2	200	0	0	6	0		Tornado, wind
			A tornado moving from southwest to northeast moved through Blackwell doing most damage to 6 blocks in the business district. Twenty-seven businesses were damaged. A few buildings had major damage. The tornado was observed by spotters near Lamont at 7:48 p.m. as a funnel aloft. No known damage occurred along the path to Blackwell until it hit in Blackwell about 8:12 p.m. and the damage ended about 1 mile east on SH 11. Widespread light damage from the north to south sections occurred due to strong gusty winds.							
Near Drumright, Creek County	19	About 9:30 p.			0	0	4	0		Wind
			Strong winds associated with an eastward moving severe thunderstorm damaged a grocery store and manufacturing company northeast of Drumright. Two automobiles were damaged by debris and some other buildings and telephone lines were damaged.							
Cimarron and Western Texas Counties	19-20	Night and Morning			0	0	0	0		Heavy snow
			Snow fell during the night and morning hours in the Panhandle with accumulation up to 4 to 8 inches in Cimarron County tapering to 1 to 4 inches in western Texas County. Strong winds caused drifts 2 to 3 feet high. Wind-whipped snow reduced visibility to near zero at times and contributed to minor accidents.							
OKLAHOMA (continued)										
Near Collinsville, Roger Mills County	20	12:00 a.	1/2	30-	0	7	5	0		Tornado
			A tornado moving northeastward moved through a trailer park 4 miles southeast of Collinsville destroying 6 trailers, heavily damaging 14 and lightly damaging 16 others. Seven people were injured (3 hospitalized). No one saw the tornado but was described by one person as sounding like "a jet aircraft taking off".							
Near Nowata, Nowata County	20	12:45 a. - 1:00 a.			0	0	4	0		Wind
			Strong winds destroyed a mobile home and did some roof, window and tree damage west of Nowata and damaged some businesses in downtown Nowata.							
Eastern Oklahoma	23-24	Night, 23rd - Day, 24th			2	0	6	?		Flash flooding
			Heavy thunderstorms resulted in rains of 2 to 5 inches on the night of the 23rd and 2 to 6 inches on the 24th. Numerous creeks and small streams went out of banks due to flash flooding and many roads were impassable and badly damaged due to flooding. A man drowned when he fell from a tree while taking shelter from the rain-swollen Spavinaw Creek. Residential flooding and flooding of automobiles occurred in McAlester. A flash flood on Camp Creek caused an automobile to stall and a woman was drowned seeking safety. Damage to roads, automobiles and private property was in the millions, with Cherokee County alone reporting \$400,000 damage.							
Muskogee County	23	6:45 p. - 7:15 p.	14	*4-6	0	0	4	0		Hail
			A severe thunderstorm moving north-northeastward about 35 m.p.h. dumped large hail up to 2 1/2 inches in diameter along a 14-mile swath beginning near Warner and continuing to near Braggs. Damage to windows, automobiles and mobile homes were reported. Total damage was estimated to amount \$20,000.							
Near Pryor, Mayes County	23	10:30 p.	1	40	0	0	4	0		Tornado
			An apparent tornado moving eastward struck a housing project briefly about 6 miles southeast of Pryor, unroofing one house, causing roof damage to 6 other homes and overturning a car.							
Near Bixby, Tulsa County	24	4:45 a.			2	0	4	0		Lightning
			A lightning-set fire caused the death of two people when their home was destroyed.							
McCurtain County	24	4:35 p.	10	Narrow	0	0	4	0		Tornado, hail
			An apparent weak tornado moving in a northeasterly direction damaged numerous trees in a path from just northwest of Glover to near US259 near Broken Bow Lake. SH 3-7 near North Pole and the County Road from Glover to North Pole were blocked by fallen trees. Two automobiles were reported damaged by downed trees and a barn and feed shed near North Pole were damaged. Some fairly large trees were uprooted or twisted off. Hail was reported the size of hen eggs near Idabel.							
Near Fittstown, Pontotoc County	25	8:35 p.			0	0	0	0		Hail
			Hail was reported by the public with the largest stones 3/4 inch in diameter.							
Near Ardmore, Carter County	25	9:30 p.			0	0	0	0		Hail
			Hail to 3/4 inch in diameter was reported by the public southwest of Ardmore.							
OREGON										
Deschutes County	5-6-7	All day						\$10,000		Very heavy wet snow fall, 28 inches in about 24 hours at Bend. Damage mainly from large storage shed collapsing & other roof and marquee damage.
Cascade Mountain Range	3 thru 6							2		Hiker and Hunter lost in mountain snowstorm.
Entire State	All Month									Record breaking rains caused numerous flooding situations during the month. None of the flooding was of major importance and property damage was not serious. Many roads and highways, however, were closed at times and low level land inundated. Some temporary evacuation of homes were necessary in Washington County due to high water. Majority of stations reported record rainfall for November and many had all time monthly record rainfall.
PACIFIC										
			NO STORM DATA REPORT RECEIVED FOR THIS AREA							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 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	PROPERTY	CROPS	
PENNSYLVANIA EASTERN NO STORM DATA REPORT RECEIVED FOR THIS AREA											
PENNSYLVANIA WESTERN NO STORM DATA REPORT RECEIVED FOR THIS AREA											
PUERTO RICO NONE REPORTED											
RHODE ISLAND Statewide 1 All Day 0 1 3 0 Wind, lightning High winds following storm passage resulted in downed tree limbs and scattered utility interruptions. A woman was injured by a falling tree limb while walking. A lightning bolt struck a house in Middletown about 10:30 p.m. causing slight damage during a brief, isolated thunderstorm.											
SOUTH CAROLINA 1 Mile South of Anderson, SC Anderson County 21 10:10 1/4MI 50 FT. 0 0 4 0 Tornado A small tornado tossed a 5 ton vehicle 60 feet and damaged several buildings about 1 mile south of Anderson, S. C.											
Western, Central, Northern and Eastern SC 21 AM&PM 0 0 4 0 Windstorm A squall line moved eastward across S. C. on November 21, 1973. Northwest S. C. was affected during the late morning with squall line reaching coast late afternoon. Mobile homes and utilities damaged in Westminster, Anderson and other scattered areas of western S. C. At Union a plane was damaged as well as several homes. Localized damage occurred also at Lancaster, Kershaw and near Hopkins, S. C. Five mobile homes damaged or destroyed at Georgetown, SC as the squall passed late in the day.											
SOUTH DAKOTA Black Hills 4 Many of the Black Hills areas received from six to twelve inches of snow.											
East Central Counties 21 22 Heavy snow of 4 to 8 inches of snow fell in the Northeast and East Central Counties.											
Bon Homme, Yankton Counties 21 One-half to one and one-half inches of ice. Many trees and overhead wires broken. Few minor traffic accidents.											
TENNESSEE Elridge, Obion County 20 8:00 p. 1 4 Wind One mobile home destroyed, 2 or 3 homes damaged also a machinery shed.											
Clarksville, Montgomery County 21 2:30 a. 5 Lightning Lightning strike caused fire, destroyed hangar and 9 single and twin engine airplanes.											
Shelbyville, Bedford County 21 2:40 a. 4 Wind High wind during a thunderstorm destroyed two mobile homes, three heavily damaged, two homes also damaged and roof blown off laundry.											
Cleveland, Bradley County 21 7:00 a. 4 Wind A concrete block home destroyed.											
Allons, Overton County 26 5:45 a. 2 440 4 Tornado One house and one trailer destroyed and numerous trees uprooted.											
Greenfield, Weakley County 26 7:05 a. 1/2 25 4 Small tornado Damage to several buildings including a church. One large plate glass window blown out.											
Cono, Weakley County 26 7:15 a. 1 3 Wind Wind demolished one mobile home.											
Bethesda Area, Williamson County 27 5:00 a. 4 Wind Wind from the early morning thunderstorm completely demolished one house and several others damaged.											
TENNESSEE (continued) Flynn's Lick Community and Bell Hill Community, Jackson County 27 5:30 a. 4 Wind and flash flood One mobile home and one barn destroyed. 5.05 inches of rain in a short period caused high water damage to several homes.											
Chanute and Parker Communities, Pickett County 27 5:45 a. 1 4 Wind Damage to houses, businesses and barns. Trailer demolished.											
Habesham, Campbell County 27 Morning 1 1 4 Flash flood Heavy rains caused a house to collapse and slide down a creek bank. One child was killed and the mother seriously injured.											
Memphis, Shelby County 27 1:00 p. to 1:10 p. 1 4 Wind A squall line with high winds destroyed 3 tenant houses and roof damage to several homes. Injury occurred when a mobile trailer was blown over.											
Collierville, Shelby County 27 1:25 p. 4 Wind A roof was blown off a store and merchandise damaged by heavy rain.											
Griffin and Dancyville Communities, Fayette County 27 1:25 p. 15 440 1 Tornado Twenty homes were damaged, five mobile homes destroyed, and 17 out-buildings damaged or destroyed.											
Darden, Henderson County 27 3:25 p. 4 Wind Supermarket roof blown off, a barn destroyed and 2 mobile trailers and a house damaged.											
Jackson, Madison County 27 3:25 p. 1 Flash flood A 11-year old girl, while walking along the highway during a rain storm, was swept into a drainage ditch and drowned.											
Beacon, Decatur County 27 3:30 p. 1 Wind High wind during a thunderstorm caused roof damage to several homes.											
Viola, Warren County 27 10:00 p. 4 Wind House damaged beyond repair. A barn destroyed containing 1700 bales of hay.											
Richman, Overton County 27 10:00 p. 1 Flash flood A car ran into a ditch during a heavy rain storm. As the man stepped from the car, he was swept away and drowned.											
Hillsview Community, McMinn County 27 10:30 p. 1 4 Wind Wind destroyed one mobile trailer and one house damaged.											
Georgetown Community, Hamilton County 27 10:45 p. 15 5 Wind A squall line moving through the area did considerable damage including six mobile homes destroyed.											
TEXAS EASTERN Mont Belvieu, Chambers County 5 6:50 am Funnel Aloft The funnel was reported by state police about 3 miles north of Mont Belvieu. Movement was east-southeast at 30 mph.											
Aransas Pass, San Patricio County 9 10:00 am Funnel Aloft The funnel was observed for a short while just northwest of Aransas Pass. It remained nearly stationary until dissipating.											
Giddings, Lee County 20 2:00 am 7 1/4 0 0 5 0 Wind Strong winds estimated 60 to 75 mph accompanied a thunderstorm along a path from south to just east of Giddings. Most damage occurred to the General Fiberglass Company building on the south side of Giddings as the roof was torn off and debris damaged. Roofing was damaged on several other buildings south and east of Giddings.											
Baytown, Harris County 20 7:45 am 0 0 4 0 Wind Strong westerly winds caused considerable damage to Humphrey Airport in Baytown. One hangar was partially blown down and 7 aircraft inside were damaged. A small plane outside the hangar was tossed some 500 feet.											
Trinity Bay 20 8:35 am 2 0 3 0 Wind Strong shifting winds capsized a crew boat carrying 8 persons across Trinity Bay. Two men were drowned and the others were rescued.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1973

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM		
					KILLED	INURED	PROPERTY	CROPS			
TEXAS (continued)											
EASTERN											
Beaumont	20	9:12 am							Funnel Aloft		
									The funnel occurred over the western part of Beaumont and moved northeastward without touching ground.		
Thorndale, Milam Co.	23	Noon	4	70	0	0	4	0	Tornado		
									The tornado touched down on the north side of Highway 79, 4 miles east of Thorndale. It moved over a farm home damaging the roof and twisting the house from its foundation, demolishing a barn and destroying a truck. The funnel moved north-northwest for about 2 miles uprooting trees. It then lifted and later touched ground a final time just east of San Gabriel where a shed was destroyed.		
La Ward, Jackson Co.	24	9:25 pm							Funnel Aloft		
									The funnel was sighted by state police near La Ward. It moved to the northeast at 25 mph without touching ground.		
Beaumont	27	1:00 pm	1/4	25	0	0	4	0	Tornado		
									A small funnel touched ground briefly in the north part of Beaumont and caused an intermittent path of damage from the 6200 block of Judy Lane to Crow Road. The roof and supports of a warehouse were ripped off, a small building was blown down, power lines were broken, and trees were twisted.		
TEXAS CENTRAL											
N.E. of Plano Collin County	20	1:10a	?	?	0	3	4	0	Tornado		
									Tornado overturned 3 trailers in the Castle Manor Trailer Park. Three persons received minor injuries. Tornado moved northeast at about 30 mph.		
3 S of Cisco Eastland County	24	11:20a - 11:50a			0	0	?	?	Hail, Funnel Cloud		
									Funnel was reported moving east northeast at 30 mph. No evidence that it touched down at anytime. Golf ball size hail reported at 11:40a.		
Cleburne Johnson County	24	1:00p - 1:30p	short narrow		0	0	4	0	Tornado		
									A small tornado caused extensive damage to a home when a large iron post was blown into a wall. An airplane was overturned. A funnel was sighted with several persons reporting a loud roaring noise.		
2 S of Keeter Wise County	24	2:30p	?	?	0	0	4	?	Tornado		
									Tornado moved a barn about 200 ft. as it moved to the east northeast at about 30 mph.		
Paris Lamar County	24	3:30p 6:00p			0	0	3	0	Hail, Windstorm, Heavy Rain		
									Heavy rain, strong winds, and 3/4" hail caused minor property damage in the Paris area. Over 1 inch of rain was measured during a 15-minute period with several streets flooding.		
3 NE of Daingerfield Morris County	24	5:10p	1	200	0	0	3	0	Tornado, Hail		
									Tornado demolished small utility shack 3 miles NE of Daingerfield and followed an intermittent path before destroying a hay barn about 1 mile away. Hail was generally marble size, but some stones were reported to be "the size of hen eggs."		
5 S of Gladewater Gregg County	24	5:40p	?	?	0	0	3	?	Tornado		
									Tornado damaged power lines with numerous trees toppled. Storm moved NE at about 25 mph.		
12 NW of Douglasville Cass County	24	5:50p	?	?	0	0	3	?	Tornado		
									Tornado downed power lines and damaged seven outbuildings. This tornado was associated with the same storm system which struck 3 NE of Daingerfield at 5:10p. However, no damage was reported between the two points to indicate a continuous path.		
Marshall Harrison County	24	6:30p	?	?	0	1	4	0	Tornado		
									Several houses were damaged, power lines downed, and numerous trees were twisted or toppled. High winds blew a road sign through a car window resulting in 1 injury.		
Texarkana Bowie County	24	6:30p			0	0	5	0	Hail, Windstorm Flash Flooding		
									Thunderstorm winds roared through town with 1" inch hail causing damage to car windows. Numerous streets were subjected to flash flooding.		
TEXAS WESTERN											
			NONE REPORTED								
UTAH											
Cache, Box Elder, Weber, Davis, Salt Lake, Utah, Morgan, Tooele, and Iron Counties	12	10:00 A 4:00 P					0	0	5	0	High wind
											A vicious wind storm accompanied a strong cold frontal passage through Northern and Western Utah during the late morning and afternoon. Strong gusty southerly winds increased and shifted to the northwest with peak gusts in the Salt Lake, Ogden, and Tooele areas averaging between 70 and 75 MPH between 3 and 4 PM. Damages to mobile homes, roofs, large outdoor signs, and large buildings under construction were estimated at about \$200,000. Many trees were uprooted and power lines were blown down to account for thousands of reported power outages throughout Northern Utah, which lasted through most of the night.
VERMONT											
			NONE REPORTED								
VIRGIN ISLANDS											
			NONE REPORTED								
VIRGINIA											
Urbanna	28	2:10 p.m.									Funnel cloud
											Public reported a funnel cloud moving toward the northeast. Apparently the funnel remained aloft.
WASHINGTON											
			NONE REPORTED								
WEST VIRGINIA											
Southwest	27- 28						0	0	5	0	Flooding
											Rain occasionally heavy averaging 2 inches or more on the 27th and 28th, falling upon already swollen creeks and small rivers, resulted in considerable stream and flash flooding in southwestern sections of the state. Kanawha, Boone, Cabell and Lincoln counties were hardest hit. 500 Families were evacuated from the southeast Kanawha county communities of Glasgow, Winfrede Hollow, Wither Creek, Cabin Creek, East Bank, Cedar Grove and Karret; 200 persons evacuated in Hamlin, Lincoln county as the Mad River went out of its banks; Milton in Cabell county along the upper Mad River. No serious injuries were reported in the flooding although personal property damage was high.
WISCONSIN											
			NONE REPORTED								
WYOMING											
	12	Afternoon -Evening					0	0	6	0	High wind, lightning
											High winds moved across the state producing widespread damage especially in the western and southern portions of Wyoming. Peak wind gusts were reputed to be over 100 mph on the top of Rendezvous Mountain in Teton Park about 3:00 p.m., Monday afternoon (Nov. 12), 84 mph at Rawlins around 7:00 p.m., and 63 mph at 11:11 p.m., in Cheyenne. The gusty winds lasted for about 1-1/2 to 3 hours at most locations. The damages to houses, mobile homes and other buildings was mostly minor although there were some exceptions. In the western portion of the state, the high winds were accompanied by thunderstorms and lightning which produced some power outages. Some of the most extensive damage occurred in Grand Teton National Park where, after coming through Teton Pass and through Jackson, the wind moved into the valley uprooting an estimated 10,000 trees in a swath hundreds of yards wide and 15 miles long. There was also damage at several park campgrounds.
											° 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.
											SUBSCRIPTION PRICE: \$2.50 a year; 50¢ additional for foreign mailing; 25¢ single copy. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, N. C. 28801. Attn: Publications.

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