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STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1972

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		
ALABAMA										
Tuscaloosa, Tuscaloosa County	2	11:00 a								Funnel aloft
										Public reported funnel cloud in Tuscaloosa area moving northeast. No indication that it touched ground.
Conecuh, Monroe, Mobile and Talladega Counties	13	1:00 p- 3:15 p			0	0	4	0		Wind
										Line of thunderstorms moved east-southeastward. Greenhouse destroyed at Semmes. Mobile County and auto repair shop demolished near Sylacauga, Talladega County. Most damage, however, from just north of Monroeville, Monroe County to Evergreen, Conecuh County. Trees uprooted, several business establishments and homes damaged. Electrical power out in Evergreen area for about three hours.
Rosinton, Baldwin County	13	2:40 p	1	200	0	0	4	4		Tornado
										Tornado struck Rosinton School, unroofing gymnasium. Barn destroyed and several other buildings damaged. Extensive damage to pecan grove.
Dothan, Houston County	25	4:40 p								Funnel Aloft
										Public sighted funnel cloud about 5 miles southeast of Dothan. No evidence that it touched ground.
ALASKA										
Kotzebue	26/4PM-27/6PM				0	0	4	0		WIND
										Strong 40 mph to 48 mph easterly winds with a peak wind of 56 mph damaged two light aircraft. A downed TV cable and broken city power cable combined with flying 4x8' pieces of plywood and other loosened materials caused a dangerous situation.
ARIZONA										
Kingman (3 Mls. ESE)	19	9:00 p.			0	0	0	0		Hail
										Phoenix Department of Public Safety reported hail the size of golf balls near Kingman.
ARKANSAS										
			NONE REPORTED							
CALIFORNIA										
10 miles ESE Modesto 37.6N 120.8W	07	14:50P								two small funnel clouds.
36 miles W of Burbank 34.1N 119.1W	13	13:30P								funnel cloud.
34.1N 119.1W	15	12:45P								funnel cloud.
Big Sur	18	19:00P					6			Mud Slides
San Francisco	27	PM					2			High winds and the rough surf conditions resulting therefrom caused the death of two persons at Baker Beach.
COLORADO										
Entire State	1	All day			0	0	0	0		Snow
										Heavy snow, especially east of the Continental Divide, began falling on the 31st and continued through most of the day on the 1st. Denver received a 13 inch total; 15 inches at Colorado Springs, and 7 inches at Salida. The heaviest snows were along the foothills as Fort Carson reported 21 inches and Woodland Park, 31 inches. Most airports in the state were closed down for the day and several highways were also closed, including Interstate 25 between Denver and Colorado Springs, and Interstate 80 near Sterling. Many elk hunters were stranded in the mountains for 24 hours or more because of the snow.
Eastern Plains	12	All day			0	0	0	0		Snow, wind
										The second major storm of the season struck on the 12th with high winds, ground blizzard conditions, and heavy drifting. Ranchers in the southeast had to spend long hours rounding up the thousands of cattle scattered by the storm.
Entire State	26-27	Contin- uous			1	0	0	0		Snow
										The third major snowstorm of the season left much of the state again blanketed with snow. Heaviest snows occurred around the Loveland Pass area where snowslides and blowing snow closed the pass most of the evening of the 26th and all of the 27th, leaving hundreds of skiers and weekenders stranded overnight in the Dillon area. 10 inches of snow fell in Walsenburg where a 71-year old man froze to death when he attempted to walk from his stalled vehicle for help.
Foothills	29-30				0	0	2	0		Wind
										Unusually strong winds along the foothills caused severe ground blizzards and played havoc with traffic in the area. U.S. 287 north of Fort Collins was closed all day on the 30th as 95mph winds were reported in that area. 50 to 60mph winds were common on most of the high mountain passes and all along the foothills.
CONNECTICUT										
Statewide except northwest	8-9	p.m.-eve.			0	0	5	0		Wind, rain
										Major coastal low produced strong winds inland and gusts to near 70 m.p.h. along parts of the coast. Several boats were damaged or grounded at scattered marinas especially near Bridgeport. The wind tore off a 30 foot section of a ballroom roof in Stratford. Many power lines were downed in various parts of Hartford, Windham, Tolland, New Haven and Fairfield Counties. Long term outages occurred in some places. Storm rainfall ranged from 1 to more than 3 1/2 inches with the smallest amounts in the northwest and the largest in southern sections where local flooding occurred in several areas especially Bridgeport and Waterford.
Statewide	14-15	p.m.-a.m.			0	0	4	0		Snow, rain, wind
										For the second time in a week a coastal storm with moderate rain and strong winds caused flooding in some coastal areas. Several road washouts occurred in Trumbull. Total storm precipitation ranged from 1 1/2 to nearly 3 inches with the largest amounts along the southwest coast. Wet snow and strong winds caused power failures in northern sections where snow accumulations reached as much as 5 inches. Rain and strong wind in southern sections were responsible for power outages in Madison and Clinton.
DELAWARE										
State	8	Midnight-Evening								Rain, wind
										Heavy rains caused some minor flooding in low-lying areas. Heaviest reported total was 3.37 inches near Talleyville, New Castle County. Strong gusty winds were also reported. No damage was noted.
State	14	Most of day								Rain
										Heavy rains caused some minor flooding in low-lying areas. Heaviest totals were over two inches.
FLORIDA										
6 SW Key West	10	11:40a								Funnel aloft
6 NW Key West	11	1:53p								Funnel aloft
8 NE Key West	11	5:15p								Funnel aloft
2 S Pensacola NAS 10-SW Pensacola	13	11:30a								Waterspout
NE Destin 4 S Valparaiso	13	1:10p								Waterspout observed NE of Destin, later lifted and observed as a funnel aloft.
West Florida	13	about 4:00p			0	3	5	0		Wind Damage
										Three persons were hospitalized and widespread damage reported after high winds and rain in advance of a cold front rampaged through West Florida late Monday afternoon. Two of the three injuries occurred when at Crestview a mobile home overturned. The reason for the other injury was not immediately known. Widespread damage was reported in the Crestview area where several houses and mobile homes were classified as total losses. Additional property damage was also recorded in Pensacola and as far east as Panama City. Wind gusts to 52 at Pensacola and as high as 60 mph at Milton. Total damage should be in excess of \$50,000.
Sebring 58 NNE Ft. Myers	13	5:40p			0	0	0	0		1" Hail
										One inch hail was observed. No damages or injuries were reported.
Dover Hillsborough Co.	14	morning			0	0	4	0		Wind damage
										A new church sanctuary was being built and was ready to put sheeting onto when winds blew off the roof and demolished all but the two end walls of the building. The pastor said insurance will cover the damage which was estimated at \$21,900.
20 E Miami	14	11:02a								Waterspout
Largo 17 WSW Tampa	14	5:00p			0	0	4	0		Wind Damage
										Wind damage was done to about 10 trailers and part of the roof of an elementary school was torn off. No one was injured. Damage was estimated at \$15,000.
Miami	15	7:15a	1/4	20	0	0	2	0		Tornado
										A small tornado struck in a West Dade neighborhood tossing a toled over 2 houses. Residents said they felt pressure build up in their ears and heard a roaring sound. The 7 x 10 shed was anchored down to a concrete slab. Damage was estimated to be about \$65,00.
25 E Miami	19	9:18a								Waterspout

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GEORGIA									
Blakely, 6 miles north	13	9:00 p.	1/2	10	0	0	3	0	Tornado
									Small storm demolished a vacant house and blew 3 utility poles down. Witness reported it "sounded like jets". Moved northeast.
Albany	13	Night			0	0	4	0	Windstorm
									Strong winds damaged roofs and uprooted trees. Utility service was interrupted by falling branches breaking lines.
Hawkinsville, near	13	10:22 p.							Funnel cloud
									Reported by public. Could have been same as the unconfirmed storm reported southwest of Warner Robins about 20 minutes earlier.
HAWAII									
Waimea Bay, Oahu	19	12:30 p.			1	0	0	0	High wave
									Young man, climbing a large rock, was knocked into water by large wave and lost at sea.
Sunset Beach, Oahu	19	2:30 p.			1	1	0	0	High surf
									2 of 4 young servicemen caught in high surf managed to return safely to beach. Other 2 were dragged by receding waves into rough water where one was lost and other rescued nearly unconscious.
Off Niu, Oahu	25	Early Morning			1	0	0	0	Possibly rough water
									79-year old fisherman was lost after he was left standing on reef 300 yards offshore while friend walked ashore in chest-deep water for help when waves capsized their 8-foot skiff.
Off Makaha, Oahu	25	Night			2	0	?	0	High waves
									20-foot outboard motorboat returning to Pokai Bay was swamped by high waves when it was brought too close to shore when rain obscured Pokai Bay lights. 3 of 5 men swept safely ashore, but one drowned and another lost. Boat later washed ashore.
Off Northwest Molokai	26	1:30 a.			1	0	3	0	High waves
									26-foot boat with 3 men aboard lost its anchor in rough seas and drifted close to shore where waves flipped it over. 2 men safely washed ashore, third man lost and boat smashed to pieces on rocks. According to survivors, seas calm when boat anchored and men went to sleep.
IDAHO									
			NONE REPORTED						
ILLINOIS									
Southern Illinois	1				0	0	6	0	Rain, Wind
									Rain began on October 31 and continued for much of the day on November 1. This resulted in much flooding, especially in Clinton, St. Clair and Brown Counties in Illinois. East St. Louis received around 8 inches of rain in the 2 day period. Scott AFB near Belleville recorded 1.17 inches on October 31 and 6.67 inches on November 1. A number of communities including, East St. Louis, Scott AFB, Belleville and Breese had flooded basements or residential evacuations due to flooding and heavy rains. On the 1st, the heavy rain was accompanied by high wind which destroyed a building housing 20,000 laying hens on a farm 2 miles southwest of Breese. Some roof damage was also reported at nearby farms. The rains further aggravated the already wet field conditions and were an additional setback to the already late harvest in Southern and Central Illinois.
Northeast Illinois	13-14				1	0	6		Rain, Wind
									A major winter storm produced a variety of severe weather, rain and snow in the nation's midsection including Illinois on the 13th and 14th. Hardest hit in Illinois was the northeast corner of the state near Chicago where strong northeast winds with gusts estimated up to 45 mph whipped up huge waves on Lake Michigan which damaged seawalls and roads flooded nearby homes and apartments. Mixtures of rain and snow also contributed to the flooding not only in the Chicago area but also in many other locations in Illinois. A Loyola University student was swept off a Lake Michigan breakwater and was assumed to be drown.
INDIANA									
See data at end of table.									
IOWA									
	13-14				0	0	6	6	Snowstorm
									Began as light rain SW Iowa evening of the 12th, turned to heavy snow around 7 a. m. the 13th and rapidly spread northeastward across the State, ending in eastern counties the 14th. Heavy snow 4 to 11 inches deep in a zone 100 to 150 miles wide extending over the southwest, south central, central and east central divisions and also in the southern portions of the west central and northeast divisions. The southeast division measured 4 or more inches snow over all but southeastern localities where 1 to 4 inches fell. The heavy wet snow with winds 25 to 35 mph, and temperatures slightly subfreezing quickly made travel difficult to impossible.
IOWA (continued)									
									weighted high lines and other objects to the points of destruction. Schools were closed in some areas and the already late harvest of soybeans, corn and other crops were further delayed with consequent deterioration and reduced harvest. Eight deaths from over exertion (6) and from auto accidents (2) were indirectly related to the storm as were at least 16 injuries.
KANSAS									
North Central and Western third	12-13				0	0	5	7	Snow, Ice
									A vicious snow and ice storm caused widespread damage to utility lines and unharvested crops. A near blizzard was reported in some areas as winds of 25 to 45 mph caused considerable blowing and drifting snow. Many roads were impassable on the 13th, forcing schools and some businesses to close. Snow up to 12 inches fell in parts of extreme northwestern Kansas.
KENTUCKY									
			NONE REPORTED						
LOUISIANA									
State	13				1	0	5	0	Thunderstorms, wind, rain, hail, lightning
									Strong squall line moved across the state between midnight and early afternoon. Reports of heavy rainfall (2 inches in less than one hour at both Shreveport and New Orleans) and local street flooding; strong winds with resultant tree, limb, and some structural damage (wall of large stone blown out at Slidell); moderate size hail (Vivian); lightning induced fires (near West Monroe and near Slidell) which consumed homes. Light to moderate wind damages in Vivian, near Toledo Bend Dam and DeRidder, between Colfax and Bentley, at Enterprise and Jonesville, Mansfield, Lake Charles and Harahan. Death was at Opelousas, where girl going to school was swept into storm drain and drowned.
Bossier Parish	13	1:20a.m.	5	200	0	0	5	0	Tornado
									Storm moved from southwest, passing across town of Plain Dealing. Large trees uprooted or twisted off. Several homes damaged by trees. Roofs of two cotton warehouses blown off. Eyewitness reported hot clammy atmosphere before storm, loud roaring accompanying it, and that funnel was not in hard contact with ground.
LaSalle Parish	13	6:15a.m.	1/4	50	0	0	4	0	Tornado
									Small tornado touched down briefly near Magnolia. Four farm sheds demolished. Large barn moved four feet from foundations with substantial damage. Numerous trees and powerlines downed.
Franklin Parish	13	7:20a.m.	4	100	0	0	5	0	Tornado
									Clearly defined storm path through northern edge of Wisner. New brick home completely demolished, others damaged west of Wisner High School. Storm lifted over school, descended again. One mobile home completely demolished, family of five left in wreckage unharmed. Roof and wall and roof of two homes blown off. Six other homes suffered extensive damage. Path moved through cemetery across highway. Dairy struck, with several barns and sheds torn down and brick-walled dairy building demolished.
Jefferson Parish	18	6:40p.m.	2	100	0	2	5	0	Tornado
									Small tornado hoppedatched along Grand Isle, moving east-northeast. First touchdown one block from public library. Accompanied by heavy rain and hail. Sixteen mobile homes totally destroyed; major damages to eleven homes and camps; moderate damage to one church and a motel.
Lafourche Parish	18	6:45p.m.	1/4	50	0	1	4	0	Tornado
									Second tornado touched down briefly at Golden Meadow, destroyed an unoccupied home and heavily damaged a service station. Employee said winds lifted 400-pound ice box and held it suspended a few feet off ground.
MAINE									
Southern	8-9	p.m.-a.m.			0	0	4	0	Rain, wind
									Heavy rainfall, totalling 1 to 2 inches in many areas, caused washing and flooding damage. Wind caused mostly minor scattered damage inland, but high surf and storm tides battered coastal installations.
Coastal and southwest	14-15	p.m.-a.m.			0	0	4	0	Snow, wind
									Heavy, wet clinging snow accumulation to from 6 to 12 inches, with the heaviest in the southwest where many trees and limbs fell, blocking roads and causing utility failures. Roads were extremely hazardous and many school sessions and other events were cancelled. About 40 cars were blown off from slippery roads in the Mt. Desert area. Wind with high surf and storm tides battered coastal installations. Snowfall amounts quickly fell off to traces or none in the northern portion of the State.

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MAINE (continued)										
Southern	20	a.m.			0	0	5	0		Rain, wind Local washouts and flooding from heavy rain. Many cellars flooded. Washouts and flooding closed some roads. High surf and storm tides also flooded roads and low areas along the southwestern coast.
State	26	Daytime			0	0	4	0		Wind, rain Wind caused mostly minor structural damage, to signs, aeriels, etc. Trees and limbs blew onto utility lines, causing outages. A car was smashed by a limb in Portland. Local flooding by heavy rains which totalled 1 to 2 inches in many places. High surf and storm tides battered coastal installations.
Southwest	30	Evening			0	0	0	0		Snow Though little or no direct damage was inflicted, and snow totals were generally only from 1 to 5 inches, many roads became extremely slippery. Traffic tie-ups and rushes of accidents resulted.
MARYLAND										
State	8	Midnight-Evening			0	0	4	0		Rain, wind Heavy rains caused some minor flooding in low-lying areas. Heaviest totals were over two inches. Some scattered wind damage was also reported and included downed trees, breaks in power lines and collapsed walls of a building under construction.
State	13-14									Rain Heavy rain caused some minor flooding in low-lying areas. Heaviest totals were over two inches.
Western portion	30	During day								Snow The season's first significant snowfall had totals ranging up to 5.5 inches. Elsewhere in the state, precipitation was mostly in form of rain. During the snowstorm, a man died of apparent heart attack while driving his automobile near Cumberland.
MASSACHUSETTS										
State	8-9	p.m.-a.m.			0	1	5	0		Wind, rain Winds with gusts exceeding 60 m.p.h. in many areas felled trees and limbs, causing utility outages. Homes damaged also by falling trees. Direct wind damage to many buildings, including factory buildings in Gardner. Windows blown out, including some in Boston. One man was injured by a tree in Medford. Building material was blown from skyscraper being built in Boston. Many boats damaged. Heavy rain, totalling from 1 to over 3 inches, caused local flooding and washouts. Many cars stalled in flooded streets in the Boston area and elsewhere. Many traffic accidents during storm. Coastal installations were battered by high surf and storm tides.
State	14-15	p.m.-a.m.			1	1	5	0		Snow, rain, wind Northeast storm produced heavy precipitation ranging from 1 to over 2 inches, all as rain in the Cape Cod area but as wet snow and slush over much of State and with 6 to 12 inches of heavy, wet snow in the Berkshires where snow broke trees and limbs to cause utility outages and road blocks. Some schools and events cancelled in the Berkshires. Numerous accidents on slush covered roads. Much local flooding of streets and cellars. Wind caused mostly minor structural damage in eastern portion. High surf and storm tides battered the coast line and drowned one and injured another at Lynn.
State	20	a.m.			0	0	4	0		Wind, rain Scattered wind damage, mostly in eastern portion. Considerable damage to windows in a Boston skyscraper under construction. Local utility failures from falling trees and limbs. Rainfall mostly 1 to 2 inches with local flooding and washing. High surf and storm tides combined with high lunar tides to flood areas along the southern coast, especially in the Buzzard's Bay area.
State	26	Forenoon			0	0	5	0		Wind, rain Wind caused mostly minor structural damage to signs, aeriels, etc. Trees and limbs blew onto lines, causing utility outages. Heavy rain, 1 to 2 inches in many places, caused local flooding of streets and basements. High surf and storm tides battered the coast.
Central and western	30	Evening			0	0	0	0		Snow, sleet Though little or no direct damage was caused, and amounts were mostly less than 2 inches, snowfall and ice pellets (sleet) caused many roads to become very slippery. Massive traffic tie-ups and rushes of accidents resulted.
MICHIGAN										
Southeast Lower Michigan	13-14	pm - pm			0	0	7	?		Flooding - Wind A cyclonic storm passed eastward south of Michigan producing an extended period of strong easterly winds over the Great Lakes. The resulting ride up on the west shore of Lakes Huron, Erie, St. Clair and Saginaw Bay caused extensive flooding of lowlands and damage to homes, roads and breakwater structures. Losses are

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MICHIGAN (continued)										
										estimated as follows: Bay County, \$3.5 million; Tuscola County, \$1 million; Monroe County, \$3 million with lesser amounts in Wayne, St. Clair, Sanilac, and Huron Counties. An estimated 8,000 persons were evacuated from the flood waters. The flooding was due to the combination of higher than normal lake levels and wind influenced ride up. The water level gage at Toledo registered 90 inches above chart datum; at Gibraltar, 63 inches above chart datum and on the Saginaw River, 68 inches above chart datum. Unharvested crops suffered heavy damage from the flooding.
MINNESOTA										
NONE REPORTED										
MISSISSIPPI										
Northern Third of State	6-7				0	0	5	5		Heavy Rain Heavy rains reported in northern third of Mississippi during night of 6th and on 7th, as thunderstorms moved across the State. Some reports of flash flooding in low lying places. Quality of cotton dropped. UPPER DELTA DIVISION: At Hledge, Quitman County, 7.28 inches of rain was measured at 7 a.m. of 7th. This was the greatest one day amount that fell in any month at Sledge, and the greatest one day amount that fell in November at any station in the Upper Delta Division since November 5, 1925 when Swan Lake, Tallahatchie County, reported 6.02 inches. At Clarksdale, Coahoma County, 4.95 inches of rain was measured at 8 a.m. of 7th. This was a record one day amount at Clarksdale for November. Clarksdale newspaper noted that many city and county streets were flooded. "It was reported that the water rose to approximately 22 inches in the area behind the SkyLark Drive-In." NORTH CENTRAL DIVISION: At Hickory Flat, Benton County, 6.00 inches of rain was measured at 7 a.m. of 7th. This was the third greatest one day amount that fell in any month at Hickory Flat, and the second largest one day amount that fell in November at any station in the North Central Division; on November 19, 1948, Grenada, Grenada County, reported 8.21 inches. PANOLA COUNTY: On 7th, following torrential rains, a wall of water flowed down the Main Street of Grenshaw and entered every store. TATE COUNTY: On 7th, water backed up off the Coldwater River, Highway 51 was covered at several points, and some damage reported to submerged airplanes at the Senatobia airport. NORTHEAST DIVISION: Heavy rains caused flooding in many areas. At Ripley, Tippah County 4.89 inches of rain was measured at 7 a.m. of 7th. This was the second largest one day amount that fell in November at any station in the Northeast Division since November 19, 1948 when New Albany, Union County, reported 6.55 inches of rain. TIPPAN COUNTY: On 7th, Highway 15 closed to thru traffic both north and south of Ripley in the morning. ALCOHN COUNTY: Newspaper noted, "Corinth, Alcorn County Airport recorded 4.31 inches of rain this morning (7th)." This was the second largest one day amount that fell in November at Corinth since November 19, 1948 when 6.18 inches of rain was reported. Flooding occurred in many low lying areas of the county. In Corinth many houses were surrounded by flood waters; "Melody Park and a section of Tishomingo Street were the hardest hit residential areas of the city." There was a considerable amount of cotton, corn and soybeans still in the fields, the County Agent reported that damage to them could reach into the "hundreds of thousands."
Union County	7	12:01 a.			0	1	0	0		Lightning In Myrtle, lightning struck a street light then ran through the front door of a house and struck a sleeping 25-year old man across the face, blistering his eyes. He said he was blinded for about a week and there was no damage to the house.
Central and Southern Mississippi	13				0	1	?	0		Thunderstorm, Wind Heavy Rain A line of thunderstorms and high winds moved across the State and caused scattered property damage. There was flash flooding in areas of the heavier rains. Some crop damage was reported. No deaths due to weather were reported; one woman received a cut. COPIAH COUNTY: Storm moved from SW towards NE and at 9:20 a.m. to 9:25 a.m. caused an estimated \$500 damages at 1 1/2 miles E of Martinsville (lat. 31.8° N, long. 90.4° W). In an area 100 yards wide and about 300 yards along fence row, several trees were toppled and splintered, tin blown off buildings, damage to electric poles and wires, and a postal truck was turned around. During rainy weather, a rural mail carrier saw black clouds, people heard winds roaring, no funnel cloud was observed. A photograph shows debris thrown or trees bent in the same general direction. HINDS COUNTY: A line of thunderstorms produced heavy winds and rains in the Jackson area between 9:00 a.m. and 10:00 a.m. At Hawkins Field, two aircraft on the ramp were damaged; one, a Cessna 170 had cowling and motor mount broken, a rear wheel missing and a bent wing; a DC-3 was turned completely around; a tank truck was jammed into an oil shack. At the Jackson Mall area, high winds hit at 9:10 a.m.; a woman reporting for work suffered a cut. On the west side of the Mall, one store had some plate glass windows blown out and there was roof damage followed by water damage. About a dozen cars in the Mall parking lot had their windows blown out. About 9:15 a.m. in West Jackson at Lake Elementary School, windows were damaged when a national guard trailer parked on adjoining VA property was damaged by the high winds and the debris knocked out the school windows. About 9:20 a.m. in NE Jackson on Old Canton Road at St. Andrew's Day School, large windows were blown out in the chapel, kindergarten and another classroom, and shingles were blown off the roof. On the west edge of Jackson, at a building supply firm in Van Winkle (lat. 32.3° N, long. 90.3° W), wind gusts were estimated 45-55 m.p.h. and part of a sheet rock shed was blown out; other buildings and homes in that area had roof and window damage. A number of trees were downed in several areas of Jackson; trash and garbage

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MISSISSIPPI (continued)										
										<p>were scattered over many streets. A heavy rain fell in the morning and some flash flooding occurred. South southwest of Jackson at Byron, high winds were estimated to p.m.h. at 9:05 a.m.; some trees were reported down but no major damages. OKTIBBEHA COUNTY: Wind damage from 11:00 a.m. to 11:05 a.m. on Highway #2, 3 E Starkville (lat. 33.5° N, long. 88.8° W). Newspaper noted "heavy winds blew the shingles from the roof of" a restaurant; owner "estimated that about \$2,000 damage was done to the building." Nearby, a small trailer court "suffered minor damage" and 3 mobile homes were knocked off their bases. A little further west of the restaurant, a tree along a creek bank blew over. Starkville police reported top of barn off. LAUDERDALE COUNTY: Wind damage occurred about 11:25 a.m. on Highway 45, 1/2 south Meridian (lat. 32.3° N, long. 86.7° W). One tree limb damaged a house, 4 or 5 trees were snapped and the highway was blocked for 45 minutes; falling trees snapped wires and power was off in that area for 30 minutes. PEARL RIVER COUNTY: Newspaper noted "Some damage was reported in Pearl River County following severe thunderstorm which crossed the county Monday (13th). No injuries were reported. Probably one of the hardest hit areas was around the West Union community, where barn roofs were lost and damage was reported to several homes. . . . Winds were clocked at 50 miles an hour at the Pizayune Airport with gusts to 65 miles an hour. . . . Flash flooding was reported in a number of sections of the city (Pizayune) with several roads blocked by uprooted trees and broken limbs."</p>
Smith County	13	9:45 a.	1/2	200	0	0	4	0		Tornado
										<p>Storm moved from SW towards NE. Woman saw a yellowish funnel almost on the ground. Tornado touched down on Highway 18 about 1/2 E Raleigh (lat. 32.0° N, long. 89.5° W) and damaged an area about 1/2 mile long and 200 yards wide. Two chicken houses were destroyed and two damaged; about 1,000 chickens killed. There was a "loud roaring sound" and "excessive rain." Two tool sheds, another shed and a barn were damaged. Several tenant houses had damage to roofs; there was small damage to the roof and carpet of a home and to a barn. A jeep near the home was turned over and damaged to it estimated \$500. Trees were uprooted and twisted off, an electrical pole was twisted off and power lines down everywhere. The chicken farm operator reported the "debris swirling in all directions" and he estimated the damages at \$30,000. Electricity was reported off at 9:45 a.m.</p>
Lamar County	13	11:30 a.	3/4	50	0	0	5	0		Tornado
										<p>During extra heavy rain and while very dark, a small tornado occurred in the south end of Purvis (lat. 31.1° N, long. 89.9° W) and damaged residential and business area. It touched down near the John Jefferson School football field, destroyed three nearby homes, and damaged about 9 houses; man at the school heard a swishing sound and "The tornado blew out the skylights all over the school, tore off parts of the roof, left the gym floor covered with water and the west end of the building under water. . . . The winds also damaged four or five cars in the parking lot at the school." Then on Highway 11, just south of Purvis, demolished county barn damaging at least one dump truck, destroyed one construction company building; flying debris damaged two new buildings of a lumber company, there was also damage to a dry kiln and an estimated \$30,000 damages to a sawmill. Then it traveled over to Kings Subdivision causing minor damage. Minor damage was also done to the school bus maintenance shop. The Mayor reported the storm moved from west to east, path length 3/4 mile, width 50 yards and damages estimated \$60,000.</p>
MISSOURI										
Southern Missouri	1-2				1		5	6		Floods
										<p>Torrential rains with 24-hour amounts exceeding 5 inches in a narrow band from Nesho to Festus, and in the Bootheel, began on October 30 and ended on November 2. Heaviest amounts were reported in Iacleda County where the 24-hour total exceeded 7 inches. One man was killed November 1 when his car was swept into Turkey Creek in Southwest Polk County. Two other deaths were reported in the October issue of Storm Data making a total of three deaths in all. Considerable damage was done to crops in the Bootheel. Considerable damage to county roads and farms in most of the low-lying areas throughout the Ozarks was reported.</p>
Bethany, Harrison County	13	Night				29	3			Snow
										<p>A school bus with 35 persons on board, returning from a high school basketball game in a blinding snowstorm, slid off U.S. Highway 136 East of Bethany. Twenty-nine passengers were injured, none seriously.</p>
Southwest and Central Missouri	19						4			Snow
										<p>A sudden early season snowstorm dropped 6 to 8 inches of snow in a narrow band from near Springfield to Boonville. In Greene County, where the heaviest amounts were reported, numerous power lines were reported down.</p>
MONTANA										
NEBRASKA										
Northwestern Third of Nebraska	1-2	Daylight & Evening Hrs of 1st Pre-dawn hours of 2nd			0	0	6	0		Snow Storm
										<p>The heavy snow moved northeastward across western Nebraska. The storm left a foot or more of wet snow in an area along and 30-50 miles either side of a line running from Big Springs to Springfield (see map in November 1972 edition of "Climatological Data - Nebraska"). Twenty-seven inches of snow fell at Ainsworth and 20 inches at Ellsmere (9 miles ESE) and Springview. The snow was blown and drifted considerably during the storm.</p>
NEBRASKA (continued)										
Western Half and Southern Two-Thirds of Nebraska	12-13	TX AM & PM			3	2	7	7		Snow Storm
										<p>In the zone of heaviest snow, most normal activities were curtailed for up to 3 days; power and telephone lines were snapped, and travelers stranded. In Ainsworth, the weight of the snow partially collapsed roofs on several downtown buildings in addition to snapping thousands of tree limbs.</p> <p>Heavy snow began in the panhandle the evening of the 12th and moved eastward, reaching the extreme southeast during the late morning of the 13th. Snowfall lasted 12 to 18 hours in most areas; nearly 24 hours of moderate to heavy rain preceded the snow in the central and east. Freezing rain and widely scattered thunderstorms accompanied the onset of the snow in the south central and southeastern counties. Snow accumulations of four or more inches were reported south of a Chadron-Broken Bow-Tekamah line; Hayes Center and Stapleton (5 miles SSE) measured 1 1/2 inches. Twenty to 35 MPH north winds whipped the snow into drifts up to six feet deep in portions of the central and west.</p> <p>Travel and normal activities were impeded or curtailed, electrical and telephone service interrupted, and several persons stranded by the storm. Nearly 800 telephone lines were felled by accumulation of ice and snow in a 22-county area of southeastern Nebraska. Some areas in south central Nebraska were without electricity for up to 36 hours. A rash of minor traffic accidents occurred, especially in Lincoln and Omaha.</p> <p>Three deaths and one critical injury were attributable to the storm. The critical injury and one death occurred in separate incidents when each victim came in contact with downed power lines. One man died of unknown causes while attempting to start a stalled car; another man was killed in a traffic mishap.</p> <p>In the southeastern third of the State, strong winds, freezing rain, and unusually wet snow contributed to locally severe lodging of grain sorghum and soybeans; some rows of corn suffered ear breakage. Surveys conducted by the State Emergency Board revealed that one million dollar crop losses occurred in each of 17 southern and east central counties (see succeeding entry). The storm also dealt a severe blow to the panhandle sugar beet harvest.</p>
SPECIAL AGRICULTURAL LOSS SUMMARY										
<p>Autumn 1972 will be remembered as one of the worst harvest seasons on record. Cool, damp weather impeded field work in the east and south from late September to early November; eighty five percent of the soybeans, sixty three percent of the sorghum, and only forty percent of the corn was harvested when the storm of November 12-13 struck.</p>										
<p>Results of a survey conducted on December 15, 1972 by the State Emergency Board are presented in the table below. Fifty-one of sixty-six counties affected by the poor harvest weather reported their agricultural losses to the Board. Most of the damage was done by the storm of November 12-13.</p>										
					Climatological Division		Crop Losses as of 12/15/72			
							\$			
					North Central		102,525			
					Northeast		449,264			
					Central		1,609,446			
					East Central		18,433,165			
					Southwest		4,884,216			
					South Central		5,709,892			
					Southeast		16,227,370			
					Total Crop Loss		\$27,415,978			
<p>Of the \$27,415,978 total, \$28,352,607 of damage was inflicted upon the grain sorghum crop; \$15,363,065 upon the corn, and \$3,700,306 upon other crops. In addition, cattle deaths and weight loss caused another \$1.7 million in losses to Nebraska farmers and ranchers.</p>										
NEVADA										
NEW HAMPSHIRE										
State	8-9	p.m.-a.m.			0	0	4	0		Wind, rain
										<p>Wind felled trees and limbs, causing many utility service failures. Structural damage mostly minor. A window was broken in Portsmouth. Heavy rain in southeast, up to 3.5 inches near the coast, caused washing and flooding damage. High surf and storm tides also damaged boats, coastal roads and shore installations.</p>
Southern	14-15	p.m.-a.m.			0	0	5	0		Snow
										<p>Though snow caused hazardous road conditions over nearly the entire State, major snowstorm damages were confined to the southern portion, with the most severe effects in the southwest. A strip laterally from about Lebanon to the Monadnock area and lengthwise northeastward to the Maine border had heavy, wet clinging snow with accumulations mostly 8 to 18 inches. This felled trees and limbs, blocking roads and causing numerous utility outages. Outages lasted for several days in some sections with considerable hardship. Many schools and some businesses closed.</p>
State	26	Daytime			0	1	5	0		Wind, rain
										<p>Wind caused mostly minor structural damage, including windows, signs, awnings, etc. One shed was blown down. One man was injured in Jefferson by a falling tree. Wind at Franconia blew camper bodies off from their pickup trucks. Some local flood-</p>

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1972

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	
NEW HAMPSHIRE (continued)									
Southern	30	Evening			0	0	0	0	Snow Ing from rains totalling 1 to 2 inches in many places. High surf and storm tides battered coastal installations. Though little or no direct damage was inflicted, and amounts were mostly less than 6 inches by midnight, snowfall caused many roads to become extremely slippery. Traffic tie-ups and accidents resulted.
NEW JERSEY Middlesex and Somerset Counties	8	All day			0	0	5	0	Heavy rain and flooding Heavy rains throughout the day caused flooding in several communities in the Raritan basin in Middlesex and Somerset Counties, with additional flooding in some other communities in northeast New Jersey. A number of families had to be evacuated on the 8th and 9th. No loss of life nor injuries were reported.
NEW MEXICO			NONE	REPORTED					
NEW YORK			See data at end of table.						
NORTH CAROLINA			NONE	REPORTED					
NORTH DAKOTA			NONE	REPORTED					
OHIO Lake Erie Shore	13-14	Morning-evening			0	0	7	?	Windstorm, flooding The passage of a low pressure system through central Ohio on the 13th and 14th brought high velocity north-easterly winds to Lake Erie. On 13/1300 EST Toledo reported northeasterly winds at about 27 m.p.h. Six hours later at Toledo the wind speed and direction were about the same; however, 6 foot waves were being reported. At the same time 5 foot waves were being reported from Ashtabula. On 14/0100 EST Toledo winds were still from the northeast, but the speed was now about 46 m.p.h. and 12 foot waves were reported. Ashtabula also had 12 foot waves with wind speeds of about 31 m.p.h. Six hours later Ashtabula was reporting wind speeds of 58 m.p.h. with gusts to 70 m.p.h. accompanied by 8 foot waves. At 14/1300 EST the Toledo winds had dropped to 35 m.p.h. Ashtabula had 9 foot waves with wind speeds of 40 m.p.h. At 14/1900 EST the Toledo winds were down to 23 m.p.h. while the Ashtabula winds remained at 40 m.p.h. with 9 foot waves. The strong northeasterly winds piled water against the southern and western shores of Lake Erie. There were no reported deaths or injuries; however, the high winds and flooding caused property damages estimated at 22 million dollars. Over 3,000 families were affected by the strong winds and flooding conditions. The U. S. Small Business Administration declared eight northern counties a flood disaster area. They were Erie, Ottawa, Lucas, Lorain, Lake, Cuyahoga, Ashtabula and Sandusky.
OKLAHOMA Eastern Two-thirds of State	Oct. 30 - Nov. 1				0	0	5	?	Heavy rain and flooding (This report was also entered in the October 1972 Storm Data.) Heavy rains over the area caused flash flooding of creeks, streams and rivers. The greatest amount of flooding occurred in the south-eastern part of the State where the Glover and Little Rivers are located. Several roads were closed due to the high water, livestock were stranded and drowned, homes in the lowlands were flooded and phones out due to water seepage into the lines. In one 24-hour period, the Mountain Tower in McCurtain County reported 12.30 inches of rain. Elsewhere the flooding was less severe, with mainly bridges and lowlands affected.
Poteau, LeFlore County	6	4:00 a.-12:00 Noon			0	0	?	?	Heavy rain Rains estimated up to 5 1/2 inches caused local flooding in the area. Some houses had a few inches of water inside and also some businesses due to storm sewers backing up or drainage ditches overflowing. Lowlands along the Poteau River were flooded.
Western Half of State	12	Night			0	0	4	0	Snow, wind, rain, lightning Snow fell in the Panhandle with measurements up to 3 inches reported and roads in Cimarron County became hazardous when they iced over. Wind destroyed a home at Weatherford in Custer County, and rains flooded streets at Chickasha in Grady County. Very small hail was reported in scattered locations across the area. Lightning extensively damaged a home at Pauls Valley, Garvin County, and caused power outages in Oklahoma City, Oklahoma County.
Northeastern Part of State	12-13	9:00 a.-12th - 2:00 p.m.			0	0	?	?	Rain

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)									
									13th Heavy rains in the area caused local flooding when creeks and streams overflowed. Several streets were blocked by high water in Tulsa. Rainfall measurements were reported up to near 3 inches in the area.
Most of State Except South-Central and Southeast Areas	17-18	Afternoon-Night, 17th, 18th			0	0	?	?	Snow Unusually heavy snow for so early in the season began in the Panhandle on the 17th and then moved into other areas of the State. Greatest depths on the ground were in the Panhandle and north-central areas where up to 10 inches were reported to have accumulated. In other areas depths of 1 to 8 inches were reported. Roads became slick and hazardous with many car accidents occurring, some with injuries. A jet airliner slid off the runway at Will Rogers World Airport due to the slippery conditions. No damage to the plane was reported.
Entire State	20-21	Afternoon-Night, 20th-21st			0	0	?	?	Snow A snowstorm began in the Panhandle and spread across the State. Snow depths ranged from about 1 inch in the southeast to 10 inches in the north-central area. The snow melted quickly in southern parts of the State, but snow cover remained several days in the northern areas. Many car accidents occurred due to slick roads and bridges with at least one death and several injuries reported.
OREGON Along Coast	25-26	9:00 a.-25-26			1	1	0	0	High Winds and Ocean Swells Southerly winds of 30-35 m.p.h. along the coast during the day on the 25th related to the Pacific storm center moving towards the State of Washington. The Columbia Lightship reported 10:00 a.m. winds of 46 m.p.h. From the south-southwest while swells ran up to 11.5 feet. Swells at the mouth of the Columbia River were 10-12 feet with Cape Disappointment reporting 10-13 foot breakers about 4:00 p.m. at the tip of high tide (see Washington section). Swells were also reported 10-12 feet at Coos Bay on the 25th. The cold front moving into Washington provided a trailing section oriented east to west which moved southward across Oregon during the last half of the period. The post frontal winds were then out of the northwest and generally remained under 25 m.p.h. Swells in the Newport area on the 26th were reported at 13 feet at 7:00 a.m. and increased to 16 feet by 1:00 p.m. before decreasing later that afternoon. One lady was killed and a man seriously injured on a beach just south of Winchester Bay. The couple had tried to ride a large log to avoid a wave. The log rolled over as the wave receded, pinning the couple beneath it at the water line on the beach.
PACIFIC 8 miles SE Waco	10	10:10 a.-10:22 a.							Funnel clouds 3 grey-rope-like funnel clouds about 25 to 50 feet in diameter moving southwestward at about 10 to 15 knots extended to within few feet of ocean from cumulus cloud with base at 2,000 feet and top at about 10,000 feet.
PENNSYLVANIA			NONE	REPORTED					
PUERTO RICO			NONE	REPORTED					
RHODE ISLAND Statewide	8-9	p.m.-eve.			0	0	4	0	Wind, rain Coastal low produces heavy rain and high winds causing street flooding throughout the State and power outages in Jamestown. Gusts reached 50 m.p.h. along the coast. Several boats were damaged in Jamestown and Newport. Storm rainfall ranged from 1 1/2 inches in the southeast to more than 3 1/2 in north-central sections.
Cranston, Providence Co.; Warwick, Kent Co. and parts of Newport Co.	26	All day			0	0	4	0	Rain, wind Coastal low, the fourth significant November precipitation producer, caused high winds which downed power lines in Cranston and Warwick. Winds blew an air duct off the public library in Warwick leaving a 12 by 12 foot hole in the roof. High winds and high tide drove water over the seawalls in parts of Newport and Portsmouth flooding shorefront roads.
SOUTH CAROLINA			NONE	REPORTED					
SOUTH DAKOTA Todd, Tripp, Gregory, Charles Mix, Douglas, Brule, Aurora, Sanborn, Buffalo, Zepher and Beadle Counties	2							4	Heavy snow Heavy snow of up to about 20 inches fell in the area. The snow was preceded by rain. The wet snow downed many trees and utility lines. The hardest hit locality was Gregory where there were also many awnings downed by the heavy snow. Total damage was estimated at \$15,000 in the Gregory area. Some snowfall amounts were: Gregory 19.5 inches, Newala 18, Mission 14.5SE 8, Bonesteel 12.5, Platte 12, Wessington Springs 10 and Huron 5 inches.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1972

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	
SOUTH DAKOTA (continued)									
Spink, Brown, Day, Grant and Roberts Counties	2						4		Icing
		A light steady freezing rain caused up to 2 inches of icing to form on trees, bushes, wires, cars and buildings. Many trees and utility lines were downed. Some of the greatest damage occurred from Tulare to Redfield and Doland and from Troy to Sisseton.							
TENNESSEE									
Western Tennessee	6-7				0	0	5 ⁰	0	Heavy rains
		Heavy rains began on the 6th and continued into the morning of the 7th in the western portion of the State. There were a number of stations reporting over 3 inches of rain which produced flooding and associated crop and property damage. Savannah, Bolivar, Moscow, Brownsville and suburbs of Memphis were some of the communities which received water damage.							
TEXAS									
Clarksville, Red River County	6	7:40 p							Funnel aloft
San Angelo, Tom Green County	12	5:50 p-6:58 p	?	?	1	0	3	0	Windstorm
		George Hmcir, 63, of San Angelo, drowned after the boat he was in ran aground in high winds associated with a thunderstorm in Twin Buttes Reservoir. A companion attempted to rescue Hmcir but could not. Several buildings in San Angelo suffered roof damage and there was some window and tree damage scattered throughout the city. The National Weather Service Office at San Angelo recorded a peak gust of 62 miles per hour.							
Wichita Falls, Wichita County	12	7:00 p-8:00 p	?	?	0	1	4	0	Windstorm
		High winds, estimated in excess of 50 miles per hour, damaged one warehouse and caused other damage, mostly minor in downtown Wichita Falls. One woman was injured when a traffic sign was blown out of the ground and hit the car in which she was riding.							
Lake Brownwood, Brown County	12	8:00 p	?	?	1	0	0	0	Windstorm
		Jerry Ellison, 30, drowned when his boat was capsized by strong thunderstorm winds on Lake Brownwood about 8:00 p.m.							
Parker County	12	8:00 p-9:00 p	25	*2	0	0	5	0	Windstorm
		High thunderstorm winds caused considerable damage to property within a narrow path about 25 miles long and one to two miles wide across Parker County, just south of Weatherford. Two or three mobile homes were heavily damaged at Millsap, southwest of Weatherford. Two businesses, a sausage plant and a cement plant, were damaged two miles southeast of Weatherford. Two to four miles east of Weatherford, two mobile homes and several houses were damaged. Total damage to property was estimated at 250 thousand dollars.							
Fort Worth, Tarrant County	12	8:50 p-9:25 p	?	?	0	5	6	0	Windstorm, funnel aloft, hail
		High thunderstorm winds accompanied by mostly small hail, and rain, swept across Fort Worth where numerous mobile homes were damaged or destroyed, windows blown out, trees uprooted, and utility lines knocked down. There were five known injuries, all minor. At the Isbell Trailer Court in West Fort Worth, more than six mobile homes were heavily damaged. One man suffered a broken collar bone at the court. Four persons were injured when their mobile home on I-20 was overturned. There was considerable minor damage in downtown Fort Worth. Total property damage was estimated at 500 thousand dollars. A funnel cloud was sighted just southwest of the city, and small hail, averaging one-half inch in diameter, fell during the storm. Diameter of the largest stones were 1/2 inches.							
Arlington, Tarrant County	12	9:15 p-9:35 p	1/8	75	0	5	5	0	Tornado, windstorm
		A tornado cut a weaving path through the Royal Coach Mobile Trailer Park at 2500 Poly Webb Road, where it completely demolished five mobile homes and damaged 10 others. The tornado hit the southwest side of the park at about 9:15 p and slashed through the 175-trailer park, emerging on the park's northeast side. Five persons were injured, but none seriously. High thunderstorm winds flipped over an airplane at the Arlington Airport.							
Dallas, Dallas County	12	9:30 p	1/4	10	0	0	4	0	Tornado
		A small tornado associated with severe thunderstorms that swept through the southwest portion of Dallas struck the Astro Drive-In Theatre at South Walton Boulevard near Kiest Boulevard. The theatre's concession stand was demolished and a metal fence which surrounds the theatre area was tipped apart and hurled piecemeal into many of the 500 cars on the theatre lot. There were no injuries.							
	12	9:30 p-11:00 p	?	?	0	13	6	0	Windstorm
		High thunderstorm winds raked the south portion of Dallas County from Grand Prairie, across the south part of Dallas, through Mesquite. At least 13 persons were injured and property damage was estimated at 500 thousand dollars. More than 100 homes in Grand Prairie suffered major damage and three persons were injured							
TEXAS (continued)									
Austin, Travis County	12	9:40 p							Funnel aloft
Hutchins, Dallas County	12	9:50 p-10:10 p	1/4	10	0	0	5	0	Tornado, windstorm
		A small tornado accompanied by severe thunderstorm winds ripped through Hutchins in southeast Dallas County where it caused 30 thousand dollars damage to property, but no injuries. The high thunderstorm winds caused an additional 70 thousand dollars damage to property.							
McLennan and Coryell Counties	12	9:50 p-10:30 p	2 1/2	100	0	0	5	0	Tornado
		A tornado skipped along a discontinuous path through farm land beginning about 10 miles southwest of McGregor, in Coryell County, and extending to Robinson, just south of Waco in McLennan County. The tornado destroyed 20 mobile homes at the McGregor Homes and Delbrook Homes factories about three miles southwest of McGregor, and damaged two others at the Perm-A-Dwell mobile home factory a short distance to the east. Olin J. Tippit, Cooperative Weather Observer, reported that the funnel was aloft, at a height of about 150 feet, when it passed over SH 317, about 1 1/2 miles south of McGregor. Damage to the newly built mobile homes at McGregor Homes and Delbrook Homes was estimated at 100 thousand dollars. At Spring Valley, between McGregor and Waco, where the tornado damaged a house and garage property losses were estimated at five thousand dollars.							
College Station, Brazos County	13	12:10 a-1:43 a	?	?	0	7	5	0	Windstorm, funnel aloft
		High thunderstorm winds, possibly accompanied by a funnel cloud aloft, caused heavy damage in and around the Oak Forest Trailer Park in the south part of College Station. The winds rolled, toppled and literally picked up and dropped the mobile homes, regardless of whether they were moored to their bases or not. Eight mobile homes were toppled and 10 to 2 other mobile homes suffered minor damage. Seven persons received minor injuries. The A&M Consolidated Junior High School gymnasium received extensive roof damage, and several campus buildings at Texas A&M University had minor damage. At one point during the storm, the Texas A&M University weather station wind recorder showed a 95 mile per hour gust.							
6 S Zavalla, Angelina County	13	2:45 a	3	100	2	0	5	0	Tornado, Windstorm
		A tornado that touched down about six miles south of Zavalla demolished a mobile home, killing the occupants, Mr. and Mrs. Cecil B. Jones. Force of the winds ripped the mobile home apart, scattering pieces of the structure and its contents, along with Jones' gun shop, located nearby, across several acres. The mobile home was reported to have been secured by "over-trailer" tie-downs, which were ripped from their foundations. The main portion of the mobile home that remained assembled was left upended against a tree about 50 yards from its slab foundation. Jones' body was discovered about 40 yards from the trailer wreckage and his wife's body was found nearby. The tornado apparently came to earth about 200 yards behind the Jones' mobile home which was located almost directly between two houses, each one situated about 150 yards away on either side. Both of these houses suffered some wind damage. The tornado was on the ground for a distance of approximately one mile in the particular area, then lifted and dipped down in two more places before dissipating. The tornado moved toward the east-northeast at about 30 miles per hour. Tornado damage was estimated at 75 thousand dollars and windstorm damage at 5 thousand.							
Bacliff-San Leon area, Galveston County	13	3:30 a-4:00 a	?	?	0	0	5	0	Windstorm
		Strong thunderstorm winds, estimated at 70 miles per hour, caused wide-spread damage in the Bacliff-San Leon area of Galveston County, mostly to mobile homes, roofs, and patio covers. The roof was torn off the animal shelter building at San Leon and the upper portions of the walls of the 22-by-30 foot concrete block building were damaged. Total storm damage was estimated at 100 thousand dollars.							
Toledo Bend Dam Project area, Sabine County	13	4:00 a-4:08 a	2	50	0	0	4	3	Tornado
		A tornado struck in a wooded area on the south side of FM 693, then followed along the southern boundary of the Toledo Bend Dam Project area directly south of the Texas office, where it blew down numerous trees. The tornado then crossed the tailrace channel and struck a shop and a warehouse building, destroying both. Sheet metal and other debris from these buildings were							

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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	
TEXAS (continued)									
Port Arthur, Jefferson County	13	5:25 a	2 1/4	50	0	0	6	0	Tornado
<p>carried for more than 1 1/2 miles as the tornado proceeded through the "River Bend Area". Additional damage occurred to overhead radio lines, electrical lines, and a small storage building. Property loss was estimated at 15 thousand dollars, and timber loss at two thousand.</p> <p>A tornado touched down near the Gulf Oil Company Plant in the southern part of Port Arthur and moved eastward about 30 miles per hour to the Pleasure Island area southeast of Atlanta and Beaumont Avenues, where five boats were sunk at the Pleasure Island Marina, and some other boats in drydock were overturned. At the Gulf Refinery a large cooling tower was blown down and a flare stack was toppled to the ground. Most of the tornado damage was centered around Houston and Fifth Street, where a two-story frame structure was lifted from its foundation, moved several feet, and completely demolished. Damage was heavy at Meyers Automotive Supply, H&S Procter. An oak tree was split down the middle on Waco Avenue, between Seventh and Eighth Street, and a car parked nearby was lifted off the street onto the sidewalk. Gulf States Utilities Company suffered extensive damage to poles and wires. Damage was extensive at both the Gulf and Texaco Refineries. Total property damage was estimated at 500 thousand dollars.</p>									
15 SE Galveston, Galveston County	13	8:30 a							Waterspout
UTAH									
NONE REPORTED									
VERMONT									
Southern	14-15	p.m.-a.m.			0	0	5	0	Snow
<p>Only trace amounts fell in the extreme north. Though light to moderate snow accumulations caused hazardous roads in much of the north, the storm reached disaster proportions only in the southern portion. A triangle roughly from Bellows Falls to Brattleboro westward to Dorset was hardest hit. A utility spokesman said that damages were the worst since the 1938 hurricane, while a veteran highway official said this was the most damaging in his memory. Falls of heavy, wet clinging snow accumulated to depths of 8 to 18 inches. The weight felled numerous trees and limbs. Roads were blocked and utility services cut off. Utilities were out for up to four days in some cases, with considerable hardship in the ensuing cold weather. Damage was caused by snow alone, as winds were generally light. Some buildings were damaged by falling trees. Schools and many businesses and factories were closed.</p>									
State	26	Forenoon			0	0	4	0	Wind, rain
<p>Wind caused mostly minor damage, to signs, aerials, etc. Trees and limbs blew onto lines causing utility outages. A vehicle was crushed by a falling tree in Bradford. Local flooding of streets and cellars by heavy rain with totals of 1 to 2 inches in many places.</p>									
Southern	30	Evening			0	0	0	0	Snow
<p>Though little or no direct damage was inflicted, and amounts by midnight were generally less than 6 inches, snow caused many roads to become extremely slippery. Traffic tie-ups and accidents resulted.</p>									
VIRGIN ISLANDS									
NONE REPORTED									
VIRGINIA									
Northeast	14	6:00 P.			0	0	0	0	Funnel cloud
<p>Funnel cloud reported by public about 30 miles north of Charlottesville.</p>									
WASHINGTON									
Pacific Coast	25	afternoon			3	3	3		high waves
<p>High surf and extreme high tides began on 23rd. Logs and beach debris were picked up by surf. On the 25th, winds on the beaches were generally 10-20 knots, occasionally stronger. Swells on the ocean were estimated at 6-8 feet, but a few waves were much higher. At LaPush during the morning, a wave was estimated at 25 feet in height. At Santiago Beach near Quinalt River, two girls were killed by a hurtling log from a large wave which hit that afternoon. At Midway Beach near Grayland, another girl was killed under similar circumstances. Three persons were injured and cars damaged at Canby State Park when a wave flooded a parking lot there. The waves were particularly destructive at high tide around 4 p.m.</p>									
WEST VIRGINIA									
NONE REPORTED									
WISCONSIN									
Lake Michigan shoreline	13-14				0	0	5	0	Wind
<p>Strong northeasterly winds along Lake Michigan shores caused serious shoreline erosion especially in Kenosha County.</p>									
WYOMING									
NONE REPORTED									
INDIANA									
	1-30			Entire state	0	0	0	6	Rain
<p>Ten of the first 15 days of November were entirely without sunshine. Rainfall for the first half of the month was about three times the normal amount for the period. Much flooding occurred in agricultural bottomlands. Fields other than bottomland were also rain-soaked. In some areas much of the soybean crop was lost to flooding or mold. Corn crops have also been extensively reduced. Wet land has kept farmers from harvesting and from preparing fields for wheat and rye crops.</p>									
Ogden Dunes	13-14	? ? ?			0	0	5	0	Wind, rain
<p>Extreme erosion on south shore of Lake Michigan. Some houses at Beverly Shores fell into Lake. Winds gusted to 42 miles per hour from NE at Ogden Dunes.</p>									
NEW YORK									
New York City and southeast quarter of upstate	8-9	a.m. to a.m.			1	2	5		Rain, flooding, wind
<p>Coastal storm produced heavy to very heavy precipitation over State, except in southwestern section. Total of 5.60 inches fell in New York City, virtually all on 8th, for heaviest daily amount of record for November (previous record 3.62 inches in 1869) and third greatest daily amount of any month in 103 years of record. Heaviest rainfall in city occurred between 12 noon and 4 p.m. of 8th with yield of 3.12 inches. Storm totals decreased sharply to east of New York City with 1.6 to 2.4 inches in central and eastern Long Island. Flooding severely crippled highway and street travel in many sections of metropolitan area as rush hour traffic was jammed well into night hours of 8-9th. Commuter trains serving city hampered, or occasionally halted, by flooding, washouts and mudslides. Winds gusting to 65 mph. caused extensive breakage or toppling of trees in greater New York City and forced closure of bridges to certain kinds of vehicles; some 200 trees reported broken by city parks officials. Precipitation of 2.0 to 3.0 inches extended northward to Mohawk Valley and west from Hudson Valley to eastern Finger Lakes with up to 4.0 inches in Catskills. Lowland and highway flooding reported in lower Hudson Valley where some roads also closed by wind-battered trees, limbs and power lines. Man driving car was killed near Pawling, Dutchess County, when large tree limb crushed vehicle. Two additional drivers injured when limbs struck cars in separate accidents in (1) Dutchess County and (2) Staten Island. Precipitation and antecedent conditions caused very high water levels in Mohawk River with considerable lowland flooding from Rome, Oneida County, downstream to Montgomery County. Storm precipitation of near 3.0 inches in Chenango and Broome Counties caused tributaries of upper Susquehanna River to crest at high levels but generally somewhat below flood stage. Some minor lowland flooding also occurred in parts of Chemung County.</p>									
State	14-15	a.m. to a.m.							Snow, rain
<p>Storm system moving through Ohio Valley and eastward to Delaware Coast produced first major snowfall of season in upstate areas and heavy rains in coastal counties. Snow in excess of 6 inches fell across the State's midsection, about 50 miles either side of a west-east line from Buffalo to Saratoga Springs. Heaviest totals of 10 to 15 inches occurred from northern Otsego County to Saratoga, Albany and northern Rensselaer Counties and in the uplands of southern Erie County. Albany measured 17 inches for the heaviest snowfall of record so early in the season. Highway travel was crippled and very hazardous throughout belt of heavy snowfall; secondary roads and streets were impassible in Albany and adjacent sections of east central New York. Countless auto accidents occurred, a few involving fatalities and many resulting in personal injuries. Snow-clogged runways crippled air traffic at Rochester. School closures were widespread on 15th in Rensselaer, Albany, Schoharie and Greene Counties. Snowfall was reduced to 1 to 3 inches in southern tier counties to lower Hudson Valley but roads very slippery. Slick roads caused some 200 vehicles to stall in Stormville Mountain area of Dutchess County. Rainfall averaging 2.0 inches occurred in New York City and Long Island with resulting inundation of expressways and massive traffic jams. Roads in Westchester County became very hazardous on 15th as light snow followed rain.</p>									
State	30-1	early p.m. to a.m.							Snow
<p>General storm of moderate amounts of rain coastal sections and moderately heavy snowfall much of upstate. Heaviest snowfall 7 to 12 inches in central, east central and Adirondacks sections with 3 to 6 inches western third and northern border valleys. Mostly rain lower Hudson Valley from Kingston and Poughkeepsie south to New York City and Long Island where amounts averaged 0.8 inch. Highway travel hazardous throughout snow area but especially in Mohawk, upper Hudson Valleys and adjacent plateau areas. Skidding accidents caused 25-car pileup on N. Y. Thruway at Schenectady exit. Scores of minor accidents, involving autos, school buses and large trucks, occurred elsewhere. Commercial buses delayed and some airflights in Albany area cancelled. Rural area schools closed on 1st some communities in central and east central counties. Sleet, or ice pellets, preceded rain in New York City and Westchester County.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1972

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	

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	

- ° 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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