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# STORM DATA

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OCTOBER

1972

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1972

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 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	
<b>ALABAMA</b>									
Forestdale, Gardendale, Morris and Kimberly, Jefferson County	27	1:45 p	17	50	0	0	5	0	Tornado
Tornado dipped down first at Forestdale, just northwest of Birmingham, and moved northeast, last reported in Morris-Kimberly area. One mobile home destroyed and 3 buildings damaged at Gardendale. Two cows were killed by flying debris in Morris and about 40 homes received minor damage. Numerous trees uprooted. Tornado was visible from downtown Birmingham as it passed northwest of city.									
Arkadelphia, Cullman County	27	3:40 p			0	1	4	0	Wind
High winds destroyed mobile home and damaged 4 houses. One person injured slightly in mobile home.									
Pelham, Shelby County, Leeds, Jefferson County	27	3:45 p							Funnel Cloud
Public reported funnel near Pelham moving northeast and later at Leeds, extreme eastern Jefferson County. No indication that it touched ground.									
<b>ALASKA</b>									
Juneau	1-2				0	0	4	0	Wind
Strong winds began on the afternoon of the 1st, continued until afternoon of the 2nd. Highest sustained speed was 36 kts, gusting to 55. Damage was at nearby Adke Bay where a portion of a floating dock and 5 boats were demolished. Damage was due to an unusually high swell.									
Juneau	23				0	0	2	0	Wind
Strong winds blew down trees, created a brief power outage, and flipped an airplane onto its back.									
Kotzebue	26				0	0	3	0	Wind
Strong southwesterly winds which reached speeds of 35 mph with gusts to 46, caused tidal flooding. Several basements were flooded, and there was erosion to the beaches.									
<b>ARIZONA</b>									
Most of State	3-7				0	0	5	7	Flood
Heavy precipitation associated with moist tropical air advected from tropical storm "Joanne" fell in much of the State. Meteorological conditions for advection of tropical air into Arizona from this storm were not established until the 4th. On the 3rd, however, a low-pressure center aloft situated over southern California brought moist maritime air and showers to much of Arizona. It was not until the 4th, however, that a strong southerly flow of air developed aloft to the east of this low-pressure center and began to bring moist tropical air into Arizona from "Joanne". On that day, this storm was located about 430 miles west of the southern tip of Baja, California at 5:00 p.m. Mountain Standard Time (MST). The flow of tropical air into Arizona continued on the 5th as "Joanne" moved to more northerly latitudes. By 11:00 a.m. MST on the 6th, the center of "Joanne" was located about 40 miles south-southwest of Punta Penasco (Rocky Point), Mexico, and the storm moved north-northeastward into Arizona during the afternoon. It is believed that this was the first time in the climatological history of the State that a tropical storm entered Arizona with its cyclonic (counter-clockwise) air circulation intact. Peak sustained wind speeds associated with the storm's passage, however, were only in the neighborhood of 35 to 45 miles per hour. Nevertheless, abundant moisture in the tropical air brought unusually heavy rains to much of the State. At 8:00 p.m. on the 6th, the center of the circulation was estimated from surface data to be about 15 miles west or west-northwest of Gila Bend. By 11:00 p.m. MST it had moved to the 7000-foot Bradshaw Mountains south of Prescott, and at 3:00 a.m. on the 7th, the center of the storm passed almost directly over Flagstaff. Rains washed out numerous secondary dirt roads along the storm's path. One major highway bridge on U. S. 89 south of Tucson was lost and additional damage was done to urban streets. Crop damage was much heavier than property damage, with heaviest damage due to rain in the Salt River, Santa Cruz and lower Colorado Valleys where grade losses of up to \$5 million were incurred by the cotton crop.									
Hyder (2 mis. N)	4	3:00 p.			0	0	0	0	Tornado
Tornado on ground for about 15 minutes in open desert country, moving toward the Marquahala Valley.									
Most of State	17-22				8	1	7	7	Flood
On the morning of the 17th, a broad band of tropical moisture began moving over Arizona from a southerly direction. This moisture was carried on a southerly flow of air on the east side of an upper-level low-pressure system off the California coast. This flow of moisture from the south intensified in the next several days and heavy shower activity was reported in much of the State. Precipitation fell over most of Arizona from the 17th through the 21st, with heaviest rainfall on the 18th and 19th. On soil already heavily saturated from the heavy rains of October 3-7, amounts of rain up to about 1 inch were measured during the day of the 17th over west central Arizona with lesser amounts recorded over most of the rest of the State. On the 18th and 19th, rainfall measurements of 3 to 5 inches were not uncommon along the Mogollon Rim and in the White Mountains. In addition, heavy amounts of rainfall were also reported from western New Mexico. Flooding was reported on the Verde River, the Little Colorado River and on streams under and on the Mogollon Rim above Payson.									
<b>ARIZONA (continued)</b>									
Apache Junction (1 mile E)	18	6:45 p.		1000	0	0	4	0	Tornado
However, by far the heaviest flooding occurred along the San Francisco and Gila rivers. The towns of Safford, Clifton and Duncan suffered extremely heavy losses due to flooding. Nearly \$8 million in property damage was caused, with most of this damage occurring in Graham and Greenlee counties. In addition, agricultural losses were heavy, with preliminary estimates totalling \$8 million in Graham and \$2 million in Greenlee County. Damage to roads and highways in Maricopa County totalled nearly \$100,000, according to preliminary estimates. Most of the deaths were caused by drowning.									
Phoenix (8 mis. WNE)	20	Noon			0	0	0	0	Funnel Cloud
The storm was accompanied by marble-size hail and almost continuous lightning. Several mobile homes were demolished by the wind. Most of the damage occurred near the intersection of Tomahawk Road and Scenic Road.									
									Funnel cloud did not touch ground.
<b>ARKANSAS</b>									
<b>CALIFORNIA</b>									
Auburn	1	1500P					3		Hail 1" diam.
Pacific (38.8 Lat. 120.5 Long)	1	1300P	Unk	Unk			0	0	Tornado and hail accumulated to 3 inches on ground.
Vandenberg	14	0640P							Waterspout
17 mi ESE Monterey	14	Unk							Funnel Cloud
11 mi NE Sacramento	15	1326P	Unk	Unk					Tornado
25 mi SW Sacramento	15	1327P							Funnel Cloud
46 mi NE Merced	15	1324P	Unk	Unk					Tornado
12 mi N Santa Maria	15	1355P							Funnel Cloud
8 mi E Monterey	15	1130P							Funnel Cloud
8 mi NE Monterey	15	1330P							Funnel Cloud
12 mi SSE Diablo Mtn (18 mi ESE Oakland)	17	1630P							Funnel Cloud
25 mi ENE San Francisco	17	1630P							Funnel Cloud
2 mi N Oakland (near Oak stadium)	17	1640P							Funnel Cloud
6 mi SW San Clemente	18	1410P							Funnel Cloud became waterspout
Near Pomona	19	1445P							Funnel Cloud
Near Beaumont	19	1400P							Funnel Cloud picked up debris near Banning Pass.
Near Riverside (March AFB)	19	1515P							Funnel Cloud
Near Ontario	19	1530P							Funnel Cloud
<b>COLORADO</b>									
LaPlata, Archuleta, and Montezuma Counties	19-20	Continuous			0	0	6	0	Flood
Heavy rains in southwestern Colorado caused severe flooding with the greatest damage occurring along Junction Creek in the Durango area. The bulk of the rain from this storm fell on the 19th and 20th, although light to moderate rain had fallen over the area each day since the 14th. The heaviest rains fell to the north and northeast of Durango, and near the 9000 foot level. Much of this area is very sparsely populated and this prevented the property damage figure from reaching even greater proportions. Damage estimates in LaPlata county alone were around \$1million.									
<b>CONNECTICUT</b>									
<b>DELAWARE</b>									
State	7				0	0	0	0	Rain
Some stations reported heavy one-day totals, such as 2.43 inches at Middletown and 2.36 inches at Georgetown.									
State	19				0	0	0	0	Snow
The season's first snow for most areas was the earliest since 1940 when it was also reported on this same date. Snowfall this time included traces only and melted rapidly.									
Central and southern areas	28				0	0	0	0	Rain
Heavy one-day rainfalls were reported and these included such totals (in inches) as: Milford, 2.59; Bridgeville, 2.47; and Dover, 2.31.									

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<b>FLORIDA</b>									
18 N Palm Beach Jupiter	01	4:20p	1/4	50	0	0	2	0	Tornado
A tornado was reported at Johnathan Mickerson State Park which is a little northwest of Jupiter during a thunderstorm. A flagpole snapped off, a T.V. antenna at one of the park ranger's home was broken but no other damage was reported. No injuries were reported.									
6 SSW Orlando	02	5:35p							Funnel aloft
Riverview Hillsborough Co.	02	evening			0	1	0	0	Lightning
One person was struck by lightning in a Riverview mobile home park during a thunderstorm but is reported in good condition at Tampa General Hospital.									
4 E Daytona Beach	03	8:20a							Waterspout
5 N. E. Jacksonville	04	6:55a							Funnel aloft
5 W Indian Rocks Bch 27 WSW Tampa	06	10:45a							Waterspout
10 SE Melbourne	10	7:10a							Waterspout
8 NE Palm Beach	13	5:47p							Funnel aloft
8 S Key West	15	3:41p							Funnel aloft
8 S Key West	15	3:45p							Waterspout
30 S Orlando	20	9:00a							Funnel aloft
5 E Palm Beach	25	10:33a							Funnels aloft (2)
Two funnels aloft were sighted.									
Near Key West	26	12:07p							Funnel aloft
Auburn 4 N Crestview	27	5:30a	1/4	20	0	0	4	0	Tornado
This tornado took the roof off a house and woke a man & his wife from a sound sleep to find the rain beating down on them. They ran from the house only seconds before the 2 bedroom house was removed from its foundation and the walls crumbled around where they had been. They were not injured. The damage was estimated at \$10,000.									
Campton 15 N Crestview	27	5:45a	1/4	20	0	0	3	0	Tornado
This tornado probably is from same mother cloud as the above tornado. A house was damaged here. No injuries were reported. Damage was estimated at \$5,000.									
5 NW Apalachicola	27	7:10a	1	100	0	1	5	0	Tornado
Five homes and two churches were destroyed in the tiny community of Highland Park. Five trailers were also destroyed. One pickup truck overturned and the driver received shoulder injuries. Estimated damage was \$75,000. Tornado movements from SSW to NNE.									
20 SE De Funiak Spgs Walton County	27	morning			0	0	5	0	Wind Damage
Damaging winds at Black Creek Lodge completely demolished six trailers and damaged four others. Three trailers were damaged at Mc Daniels Fish Camp and many trees were badly damaged. Walton County Civil Defense Director estimates the damage at Black Creek Lodge at \$100,000 and \$50,000 at Mc Daniel Fish Camp.									
Near Ft. Lauderdale	27	9:02a							Waterspout
5 S Apalachicola	27	9:05a	1/4	10	0	0	0	0	Tornado
Sighted by Weather Service Observer. No damage or injuries were reported.									
Hosford 21 W Tallahassee	27	10:15a	1/4	10	0	0	1	0	Tornado
This tornado touched down briefly between Telogia and Hosford in Liberty County. There were no injuries but some trees and an antenna were blown down.									
Quincy 15 NW Tallahassee	27	12:30p	1/4	50	0	0	4	0	Tornadoes (2)
Two tornadoes swept through rural areas near Quincy. One mobile home was reduced to rubble and one house was torn from its foundation. Two or three other homes were also damaged. Sheriff estimated damages to be \$30,000. No injuries were reported.									
Alligator Point 35 SSW Tallahassee	27	1:10p	1/4	20	0	0	5	0	Tornado
Alligator Point Marina was hit for the second time in four months. The first time it was hit during Hurricane Agnes. This tornado did damage in excess of \$100,000. Owner of the Marina said the docks will take three months to repair. No injuries occurred during the tornado.									
<b>FLORIDA (continued)</b>									
5 E Monticello 33 ENE Tallahassee	27	3:00p	1/4	30	0	1	4	0	Tornado
A man and his wife were in their mobile home when a tornado picked it up, spun it around several times and dropped it to the ground 100 feet away. The woman was slightly injured. The same tornado was responsible for wrecking a Greyhound Bus that had its window blown in. Estimated damage \$15,000.									
Keaton Beach 29 WNW Cross City (Taylor Co.)	27	3:50p	3	50	0	1	5	0	Tornado
This tornado started on Keaton Beach then moved southward to Cedar Island. Although several homes were destroyed there was only a single injury reported. Also destroyed were 6 boats and 2 cars. 8 cars were damaged by strong winds. Telephone lines, a resident's bee-hive business and a small grocery store were also damaged. At Dark Island it knocked over 6 residences & left several homes with severe damage. Estimated \$250,000 damage.									
8 W Key West. NAS Near Key West	29	12:16p							Funnel aloft
3 ENE Key West	29	12:31p							Funnel aloft
Cudjoe Keys 20 ENE Key West	29	1:15p							Funnel aloft
<b>GEORGIA</b>									
Eldorado, Decatur County	27	12:30 p	5	100	0	0	4	0	Tornado
Storm moved through a rural area blowing trees and fences down and destroying one barn.									
Decatur County	27	12:57 p	1/2	100	0	0	3	0	Tornado
One building and a boat were damaged on Lake Seminole in southwest Decatur County near the Florida line.									
Attapulgus, Decatur County	27	1:15 p	1	100	0	0	5	0	Tornado
Several business buildings, including the Post Office, were heavily damaged as the storm moved through the small town. Roofs were ripped off several homes and one trailer home and other small buildings were totally destroyed. A gym was demolished and other buildings heavily damaged in a school complex that was no longer used.									
Southeast	27	Early evening			0	0	5	0	Windstorms
Damaging winds hit several southeast Georgia communities during the early evening. A residence was heavily damaged and trees and utility lines were knocked down near the northern city limits of Waycross. Damage to roofs, trees and wires was also reported at Bristol in Pierce County, near Reidsville in Tattall County and at Lanier in Bryan County.									
Springfield, Effingham County	27	9:45 p	1	400	0	0	5	0	Tornado
Storm moved northeastward through the northeast part of town damaging 30 to 60 business buildings and residences. Building damage ranged from minor to major and numerous large trees were blown down or twisted off. Utility lines were down throughout storm area.									
<b>HAWAII</b>									
4 miles north of Kahului, Maui	13	11:30 a.							Waterspout
Reported by interisland pilot.									
East of Lihue, Kauai	18	11:01 a.- 11:17 a.							Waterspout
Dark, rope-like, grey waterspout, moving westward, extended to ocean surface from line of towering cumulus clouds with base at about 2,300 feet. Rainshowers in vicinity of waterspout.									
<b>IDAHO</b>									
Firth, Bingham County	9	Evening			0	0	4		Lightning
180 tons of baled hay were destroyed by a lightning-started fire.									
Malad, Oneida County	11	p.m.			0	0	3		Lightning
Five head of cattle were killed by lightning.									
Keuterville, Idaho County	13	4:00 p.m.			0	0	3		Lightning
Five steers were killed beneath a tree struck by lightning.									
Ashton, Fremont County	23	Evening			0	0	3		Lightning
A lightning-caused fire burned some 100 tons of hay northwest of Ashton.									
<b>ILLINOIS</b>									
Triumph, I SE	11	0130a							Lightning
Lightning struck a farmhouse resulting in a fire which extensively damaged the structure. The family escaped without injury. The lightning was associated with an area of thunderstorms which as it moved across Northern Illinois resulted in numerous minor damage and power outage reports primarily due to lightning.									

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>INDIANA</b> Martin County	4	3:00p-4:00p	?	?	0	0	3	3			Hail, wind
		Hail of 1 3/4" diameter was reported in the Loogootee area. Cooperative Weather Observer at Shoals reported ground covered with hail and that wind and "Large" hail resulted in window breakage and damage to roofs.									
Dugger and Linton	4	Afternoon	?	?	0	0	4	3			Hail, wind
		Hail from golf ball to baseball size knocked out approximately 100 panes of glass in school building at Dugger, in Sullivan County, and caused extensive damage to a greenhouse. Cars in the area were also damaged. At Linton, in Greene County, hail of marble size, accompanied by strong wind, fell for 45 minutes piling up in ridges four to eight inches deep in some areas of the city.									
Tell City area	4	4:40p	?	?	0	0	?	?			Hail
		Hail of 1 3/4" diameter reported by pilot.									
<b>IOWA</b> 6N Allison, Butler County	3	3:00 p Moved East.	1	50	0	0	4	4			Tornado
Delaware County	10	8:30 p 1" diameter at Manchester.					2 1/2	4	4		Hailstorm at Greeley.
Lowden, Cedar County	10	8:55 p 2" diameter.						4	4		Hailstorm
<b>KANSAS</b> Southwest to Northwest and North Central	31				0	0	4	0			Ice
		Freezing rain accumulated on exposed surfaces, becoming 1/4 inch thick in local areas. Damage was principally to power and telephone lines. Heaviest damage reports were from Scott, Lane, and Decatur Counties.									
		NONE REPORTED									
<b>KENTUCKY</b> Jefferson Davis	21				0	0	4	0			Wind
		Thunderstorm winds demolished mobile home in rural area near Lake Arthur.									
<b>LOUISIANA</b> Central Louisiana	22				0	0	5	0			Rain, flooding
		Torrential rainfall, ranging from 5 to more than 9 inches, centered in Rapides Parish, caused flooding in numerous homes and made streets and highways impassable. Lesser, but substantial, rains caused minor damages other areas of state.									
Jefferson Parish	26	10:50pm			0	0	4	0			Wind
		Strong winds caused minor to major damages to some two dozen homes in New Orleans suburb of Harahan. Damages primarily to utility sheds, roofs and garages.									
<b>MAINE</b> State	7-8				0	0	4	0			Rain, wind
		Widely variable rainfall from a northeaster with totals over one inch nearly everywhere and many from 2 to 3 inches in central and southwestern portions. Local washing and flooding, with washouts, erosion, and flooding of basements. Wind damages limited mostly to the coast. Damage to boats and coastal installations from high surf and storm tides frequently one to two feet above normal. Road closed by flooding in Kennebunk area.									
<b>MARYLAND</b> Garrett and western Allegany Counties	5-7				0	0	3	0			Rain
		Totals from three-day rainfall reached as much as three inches. The only damage noted was that to telephone cables in the Cumberland area.									
State	19				0	0	0	0			Snow
		This season's first snow, totaling up to three inches in northern and western areas, was the earliest since 1940 when snow occurred on this same date. Snowfall was reported in most areas and melted rapidly.									
Central and southern areas	28				0	0	0	0			Rain
		Heavy one-day rainfalls, ranging between two and three inches, were reported. Some of these totals (in inches) included: Dalecarlia Reservoir, 2.92; Brockdale, 2.81; Fort George G. Meade, 2.69; Centerville, 2.36; Baltimore City, 2.44 and Solomons, 2.20.									
<b>MASSACHUSETTS</b> State	7				4	1	5	0			Rain, wind
		Widely variable rainfall from less than one inch on Cape Cod to 3 to 4 inches locally in Berkshire, Worcester and Middlesex Counties. New 24-hour October rainfall record set at Pittsfield with 2.88 inches. Much street and cellar flooding, washouts and erosion damage. Wind felled tree limbs and caused utility outages in eastern sections. Gusts up to 75 m.p.h. reported on Nantucket, with many boats swamped. Four drowned near Chappaquiddick when boat sank. A number were rescued from other swamped boats. Thirty boats swamped, damaged or beached at Nantucket. Storm tides one to three feet above normal and high surf caused beach erosion and topped seawalls in some shore communities.									
<b>MASSACHUSETTS</b> State	15				0	0	4	0			Wind
		Wind felled tree limbs and caused utility outages in a few local areas. In east Falmouth at 3 a.m. winds broke large trees on a golf course and continued to demolish an old barn, with damage limited to a narrow path.									
<b>MICHIGAN</b> Central and Northern Michigan	16	am-pm			2	0	5	0			Wind
		Gusty westerly winds caused spotty damage in many areas. At Owosso, a wall of a building under construction was toppled; near Charlevoix, a barge broke loose from its tug and was beached; power outages were reported in many Upper Peninsula communities due to wind and toppled trees; campers were escorted across the Mackinaw Bridge, waves caused severe damage to section of shoreline near Eagle River, and two planes were wrecked at Houghton County Airport. Two men were assumed drowned on wave-swept Whitefish Bay as peak gusts reached 65 knots in that area. Damage was estimated at \$50,000 to shoreline property, power lines and trees in the eastern Upper Peninsula.									
Southern Michigan	22-23	am-am			0	0	4	0			Heavy Rain
		Two dams across Brooks Creek near Newaygo gave way to the heavy weekend rains, rupturing a water main, losses were estimated at \$25,000. Minor flooding was reported in many southeast Michigan areas.									
<b>MINNESOTA</b> St. Louis and Chippewa Counties	10				1	0	4	0			Strong winds and lightning
		Strong cold front with strong winds and lightning blew down a masonry wall under construction in Duluth killing one workman. Lightning struck and burned a granary at 6:15 pm 2 miles northwest of Clara City.									
Southern Border	17-18	8:00 p 6:00 a			0	0	0	?			Heavy snows
		Heavy snow of 4 inches fell late afternoon of the 17th and early morning of the 18th along the southern border of Faribault County. One to two inches of snow fell generally across the southern tier of counties. This was the first snow of significance in Minnesota for the fall. The snows and precipitation was the beginning of the long delays in harvesting in southern and southeast Minnesota.									
North Central and Northeast Minnesota	20	4:00 p 3:00 a			0	0	0	0			Snow
		Late evening on the 20th and early morning on the 21st, 1 to 3 inches of snow fell across the North Central and Northeast Districts, the heavier amounts of 3 to 4 inches were generally along the Iron Range Area.									
Northern Part of State	29	5:00 p 10:00 a			0	0	0	0			Heavy snow
		Heavy snows of 2 to 7 inches began about 5:00 pm on the 29th in the northwest and ended in the northeast part of the State about 10:00 am on the 31st. The snow lasted about 12 hours as the storm moved slowly east. The heaviest snow of 5 to 7 inches fell in Kittson and Roseau Counties and from Crookston to Detroit Lakes. The 4 inch area extended eastward to Hibbing and Aitkin.									
<b>MISSISSIPPI</b> Tishomingo County	14	P.M.			0	0	3	0			Thunderstorm Wind
		Afternoon Thunderstorm demolished mobile home.									
<b>MISSOURI</b> Ozark Region of Southern Missouri	31				2		6				Torrential Rains and Flooding
		Heavy rains struck the Ozark Region from Meosho in the southwest to Restus in the east, on October 31, and continued until November 2. Rainfall totals for the storm exceeded 6 inches in many locations. These rains caused widespread, but generally minor, flooding. One woman was killed when her car was swept off the road three miles west of Bone Terre. A teen-age boy was drowned when he fell into a storm sewer and was carried underground. Additional information about this storm will appear in the November issue of STORM DATA.									
<b>MONTANA</b> Park County	25	Afternoon & Evening					3	0			Wind
		Gusty winds to 58 m.p.h. blew over a mobile home on Interstate 90 and did other minor damage in the area.									
<b>NEBRASKA</b>					NONE REPORTED						
<b>NEVADA</b> Las Vegas	9	p.m.			0	0	4	0			Flash Flood
		A sudden downpour flooded some areas with up to three feet of water, causing damage to mobile home parks and new housing subdivisions. Several traffic accidents were reported due to the rain.									

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<b>NEVADA (continued)</b>									
Battle Mountain	19	3:00 p.m.			0	0	0	0	Funnel clouds
		Thirteen funnel clouds, not occurring simultaneously, were observed by two weather observers at the Battle Mountain airport. These funnel clouds dropped from an overcast sky to about 200 feet from the cloud base, but never touched the ground. A tremendous rotor action was observed in these clouds.							
<b>NEW HAMPSHIRE</b>									
State	7				0	0	4	0	Rain, wind
		Rainfall widely variable but mostly 1 to 2 inches. In the southeast some totals were over 3 inches. Local washing and flooding, including road washouts and cellar flooding. Minor wind damage with tree limbs fallen in southeast section. Damage to coastal installations from storm tides 1 to 3 feet above normal and high surf.							
State	15				0	0	4	0	Wind
		Scattered wind damage, mostly from falling tree limbs with some utility outages.							
<b>NEW JERSEY</b>									
NONE REPORTED									
<b>NEW MEXICO</b>									
Southwestern New Mexico	20-21	8:00 a.-Evening			1	0	0	6	Heavy rain, flood
		Heavy rains and flooding in Catron, Grant, Hidalgo and Luna Counties. One person drowned when bridge over Gila River near Cliff washed out under car. Rainfall totals to three inches or greater. Flooding of San Francisco, Gila and Mimbres Rivers caused little damage to homes, but extensive damage to grazing and crop land from silt. Some livestock lost. Four bridges washed out near Luna. San Francisco River reported 18 feet deep south of Glenwood during peak flow, and Gila River 10 feet deep near Cliff. Total damage estimated more than \$2 million.							
Otero County	22	12:30 p.							Funnel cloud
		Pilot reported funnel cloud aloft 4 miles southwest of Holloman Air Force Base, moving towards the northeast.							
Chaves County	23	3:26 p.							Funnel cloud
		Pilot reported funnel cloud aloft west-southwest of Roswell.							
<b>NEW YORK</b>									
Coastal and lower Hudson Valley	6-7	p.m. to p.m.					5		Rain, flooding, wind
		Coastal storm brought unusually heavy precipitation to New York City and western half of Long Island. Beginning early evening of 6th rainfall became very heavy during morning hours of 7th. Rain gage at Central Park, New York City recorded 2.8 inches between 1 a.m. and 8 a.m. on 7th with a storm total of 4.4 inches. Heaviest storm totals occurred in western Suffolk County where 5.8 inches at Brookhaven National Laboratory, 5.7 inches at Kings Park and 5.6 inches at Hillbrook. Deep flooding or inundation widespread on expressways, highways and city streets in New York City, Nassau, Suffolk and southern Westchester Counties. Rain or flooded grounds forced cancellation of many sports and other outdoor activities on 7th and 8th. Auto traffic snarled and numerous collision accidents. Trestle bridge on L. I. railroad washed out near Bethpage. Three commercial establishments in western Suffolk County had roofs collapse from weight of water. Basements of numerous stores and homes flooded and telephone service knocked out for 11,000 customers. Storm precipitation totals of 2.5 to over 3.0 inches prevailed extreme eastern Long Island as well as widely in the lower and mid Hudson River Valley. Winds 30 mph. or higher caused widely scattered tree limb breakage from Long Island northward to Columbia County in the Hudson Valley.							
Fairport, Monroe County	17						4		Wind
		Strong winds caused collapse of 20-foot section of brickwall at school. No injuries as building empty of students at the time.							
<b>NORTH CAROLINA</b>									
Durham, Franklin, Granville, Halifax, Nash, Person, Vance, Wake and Warren Counties.	5						5	5	Rain
		Rains of 3 to 8 inches in 24 hours caused flash flooding of low areas several places. Homes, apartments, motels and mobile homes near creeks flooded; water damage to lower floors and furnishings. No threat to life, but some people moved out to higher ground. Low lying farm land and roads under water, with erosion and crop losses. Some mainstream flooding on Neuse River and Fishing Creek.							
Jacksonville, Onslow County.	24	5:06 p.	3/4	150	0	0	5	0	Tornado
		Struck eastern part of city of Jacksonville, moving northeastward along a skipping path about .7 mile long and 125 to 175 yards wide. Also heard passing overhead a few minutes earlier about 2 miles upwind. Demolished a 12,000 sq. ft. section of an 84,000 sq. ft. furniture warehouse, tearing away roof, sides and supporting steel framework. Heavy water damage to merchandise, mostly rugs and carpets, both from rain and from damaged sprinkler system. Man in building reported sound as of several jet airplanes; felt reduction in pressure on eardrums. Windows blown out of auto parked nearby. Trees, utility lines and signs down along rest of path. Weather Service meteorologist visited scene, verified tornado damage.							
<b>NORTH CAROLINA (continued)</b>									
Dare County - offshore waters.	27	3:30 p.					0	0	Waterspout
		Reported by personnel at Diamond Shoals light tower, 14 miles ESE of Weather Service Office, Hatteras.							
<b>NORTH DAKOTA</b>									
Statewide	17-19				0	0	0	0	C Freeze
		An unusually severe freeze for so early in the season caused some scattered crop damage. A small acreage of potatoes were left in the ground after freezing. Frost damaged some of the latest fields in the northwest.							
Statewide	27-30				0	0	?	0	Snow
		Snowfall ranging from 8 inches in west-central areas to 2 inches in the southeast stranded motorists, caused accidents, and hindered late harvest of crops and fall tillage. Four semi-trailer trucks were reported overturned on Interstate 94 near Bismarck and about 100 cars were reported stranded in Willon on 29th. Most of snow fell on the 27th and 29th but some continued in the southeast on the 30th.							
<b>OHIO</b>									
NONE REPORTED									
<b>OKLAHOMA</b>									
Lake Ellsworth, Comanche County	14	About 5:00 p.			1	1	?	0	Wind
		One man drowned and another was treated at a hospital after their boat was capsized by high winds and waves. Winds were estimated at 40 m.p.h.							
Sequoyah and LeFlore Counties	22	1:00 a.-2:00 a.			0	0	4	0	Wind
		Strong straight winds in the area caused scattered damage to homes, other structures and trees.							
Idabel, McCurtain County	22	About 2:24 a.			0	1	5	0	2 Tornadoes, wind
		The path of tornado number 1 was about 1 1/2 miles long by 2 blocks wide and tornado number 2 was about 1/2 mile long by 1 block wide. Tornado number 1 roared east-northeast across the northern half of Idabel in a hit and skip pattern with the largest part of the damage being done by this tornado. Tornado number 2 crossed the southeastern edge of Idabel causing a lesser amount of damage. Straight wind damage also occurred about a half-mile south of the tornado damage. Three businesses, two mobile homes and three other homes were totally destroyed and scores of homes, businesses and other buildings were heavily damaged. Utilities were knocked out and trees broken off. One child was injured by flying glass.							
Dustin, Hughes County	30	Night			0	0	4	0	Lightning
		Extensive structural damage resulted from a lightning bolt which struck a home. The interior of the home was completely destroyed as well as windows and siding damaged. The house foundation was also knocked out. No fire was reported from the lightning strike.							
Eastern Two-Thirds of State	Oct. 30 - Nov. 1				0	0	5	1	Heavy rains and flooding
		(This report will be repeated in the November 1972 Storm Data publication.) Heavy rains over the area caused flash flooding of creeks, streams and rivers. The greatest amount of flooding was in the southeastern part of the State where the Glover and Little Rivers are located. Several roads were closed due to high water, livestock were stranded and drowned, homes in lowlands were flooded and phones out due to water seepage into cables. In one 24-hour period See Mountain Tower in McCurtain County reported 12.30 inches of rain. Elsewhere the flooding was less severe with mainly roads, bridges and lowlands affected. Crops ready for harvest were damaged by the rains and flooding.							
<b>OREGON</b>									
NONE REPORTED									
<b>PACIFIC</b>									
Kusae	6	5:30 a.			1	0	0	0	Wind
		15-year old girl killed when struck by dead coconut tree blown down by wind gust.							
Between Rota and Guam	8-9				5	0	4	0	Typhoon
		2 boosters drowned, 3 others lost at sea; 1 boat totally damaged and another lost in rough seas generated by Typhoon MARIE.							
Pagan, Agrihan, Almagagan, Northern Marianas	9-10				?	?	?	?	Typhoon
		Unofficial radio reports from islands indicate damage moderate to heavy as MARIE, with winds 130 m.p.h. near center, passed between Agrihan and Asuncion moving northwestward. 80 to 95 percent of buildings and nearly all food crops destroyed. Further information will appear in the November issue of Storm Data.							
<b>PENNSYLVANIA</b>									
NONE REPORTED									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 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		
<b>PUERTO RICO</b>										
Morovis	16	4:00 p. - 6:15 p.			0	0	3	0		Lightning, Rain
<p>The Civil Defense Director, who is also the substation observer for Morovis, reported the most severe electrical storm in his 15 years of observing struck Morovis associated with a severe thunderstorm in the area. Between 3:50 p.m. and 6:15 p.m. electrical discharges averaged 3 seconds apart and were of severe intensity. Nine barrios were left without electricity when a number of transformers were destroyed. A short but very intense rainfall of 1.04 inches caused streams to rise and a small bridge was destroyed in a flash flood as runoff from heavier rain areas upstream reached the town.</p>										
Island	21	Afternoon			0	0	4	0		Wind, Rain
<p>Severe thunderstorms with gusty surface winds and intense rain showers developed over much of the island during the afternoon. Isla Grande Airport in San Juan reported 59 mph winds and San Juan International Airport reported 48 mph. In Isla Verde the aluminum walls of a restaurant were blown down. In San Juan the winds also knocked down electricity poles and traffic signals. In Mayaguez six residents of the Balboa del Este sector had to be rescued when the Yaguez River overflowed and carried away their household and personal belongings. In other parts of the city 26 persons were evacuated by Civil Defense. Minor flooding occurred along the North Coast.</p>										
<b>RHODE ISLAND</b>										
			NONE	REPORTED						
<b>SOUTH CAROLINA</b>										
			NONE	REPORTED						
<b>SOUTH DAKOTA</b>										
South Central	30									Heavy snow
<p>Heavy snow fell in the south central part of state. Some of the amounts were 7 inches at Winner and Wevols and 6 inches at Gregory.</p>										
<b>TENNESSEE</b>										
East	4				0	0	5	0		Heavy rain
<p>Heavy rains, 2 to 3 inches, fell over parts of East Tennessee. Mostly light property damage occurred in a few areas from overflow of streams and street flooding.</p>										
Maryville, Elount County	13	a.m.			0	0	4	0		Lightning
<p>Lightning fire damaged a house on Broyles Street in Maryville.</p>										
Loudon County	13	a.m.			0	0	4	0		Wind
<p>Strong winds accompanying thunderstorms caused light property damage in Loudon County. Several trees uprooted and two large plate glass windows were blown out of two business houses in the downtown area.</p>										
West of State	18				0	0	5	3		Wind, lightning, rain
<p>Thunderstorms moving eastward across state caused considerable but widespread wind damage and some damage by flooding. Falling trees or limbs caused most damage with some utilities damaged directly. Scattered lightning damage. Soy bean crop was down in fields in some areas of heavy rainfall.</p>										
<b>TEXAS</b>										
Near Odem, San Patricio County	11	1:35 p								Funnel aloft
Midland, Midland County	17	Afternoon			1	0	0	0		Lightning
<p>Jesse Mario Morales, 16, died after being struck by lightning during the afternoon at football practice at Lee High School. Morales was struck as he and several other players were running to shelter. The others were knocked down but not injured. The lightning struck out of a small isolated thunderstorm which moved across the city shortly before dark.</p>										
Georgetown, Williamson County	21	8:30 p - 8:40 p	1/4	200	0	0	4	0		Tornado
<p>A tornado skipped up Cottonwood Drive in northwest Georgetown where it made shambles of a portion of the old Parker Lumber Company building off Ranch Road near Williams Drive. Small structures nearby were hurled into surrounding homes and yards. The tornado broke off at least one telephone pole along with numerous television antennas and uprooted several trees. Houses in the area suffered broken glass and other minor damage. The roof of one home was lifted from its supporting walls. The tornado moved from southwest to northeast.</p>										
Lampasas, Lampasas County	21	9:10 p - 9:40 p	?	?	0	0	5	0		Windstorm
<p>Strong thunderstorm winds caused damage in the downtown area of Lampasas and in the portion of the city extending about five blocks eastward. Damage was mostly confined to a narrow strip beginning at Ribson's Discount Center near Key Avenue east to Spullin's Grocery near Sulphur Creek. Heaviest damage was at Hallenbeck Radiator Shop. The winds lifted the entire roof from the building. Total property damage was estimated at 100 thousand dollars.</p>										
<b>TEXAS (continued)</b>										
Near Youngsport community, Bell County	21	Night								Funnel aloft
3 1/2 S Moody, Bell County	21	10:00 p	5	100	0	0	4	0		Tornado
<p>A tornado moved through the Willow Grove community in Bell County about 3 1/2 miles south of Moody (McLennan County) where it demolished a house completely. Two persons in the residence at the time miraculously escaped injury. Timbers and furniture from the residence were scattered in all directions.</p>										
5 NW Lorena, McLennan County	21	10:00 p	1/8	67	0	0	3	0		Tornado
<p>A small tornado swept through the Spring Valley community about five miles northwest of Lorena where it destroyed a large sheet metal vehicle shed and part of a large barn. Sheet metal was scattered for about one mile in a northeasterly direction. The tornado moved from southwest to northeast.</p>										
Waco, McLennan County	21	10:30 p	1 1/2	20	0	3	6	0		2 Tornadoes
<p>Two small "finger-like" tornadoes skipped through the western part of Waco where they caused an estimated 1.25 million dollars damage, but miraculously injured only three persons. Some of the most extensive damage occurred at the Heart O' Texas Fairgrounds where a horse show had ended just prior to the storm. Damage to Fairground buildings was estimated at 200 thousand dollars. The first tornado cut through the Woodway Addition on a discontinuous path from about Ranfile Drive to Valley Ridge, moving in a north-northeasterly direction. Numerous residences were unroofed. The second tornado about one mile in path length, but also discontinuous, struck near Bosque Boulevard and Valley Mills Drive, and moved northeastward to the Heart O' Texas Fairgrounds. At the Fairgrounds the roof of the coliseum was ripped off, and the new Red Horse Barn adjacent to the coliseum was heavily damaged when the north end of the barn collapsed. Mr. and Mrs. Donald Francis of Dallas were injured and an unidentified 12-year-old Belton girl received a cut on the hand.</p>										
East	4				0	0	5	0		Heavy rain
<p>About 60 persons were in the Red Horse Barn when the north end collapsed. Damage was heavy at the nearby Lake Air Shopping Center. Also damaged near the coliseum was a 15 thousand dollar mobile home that was turned over and crushed. Although occupied at the time, there were no injuries. Damage to windows, signs, television antennas and roofs was heavy in the tornado paths. Trees two feet in diameter were uprooted.</p>										
Maryville, Elount County	13	a.m.			0	0	4	0		Lightning
<p>"There was a very loud roaring sound, and that's when everything came apart", said Paul Ostrum, who lives in the Woodway Addition.</p>										
Loudon County	13	a.m.			0	0	4	0		Wind
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8 SW Mabank, Henderson County	22	12:22 a	1 1/4	440	0	1	5	0		2 Tornadoes
<p>Two tornadoes swept through the town of Seven Points, eight miles southwest of Mabank where they caused extensive damage to several buildings and injured one person. Ten units of a fifteen unit boat storage building were completely demolished and the five unit portion remaining was heavily damaged. Another boat storage building on the opposite side of the road received considerable damage also. One mobile home was completely destroyed. Several other buildings were unroofed, trees limbs broken and numerous billboards were blown to the ground. The two tornadoes, apparently very close together, moved from southwest to northeast.</p>										
5 SE Marshall, Harrison County	22	Morning	1/2	30	0	2	4	0		Tornado
<p>A tornado struck across Interstate 20, five miles southeast of Marshall where it destroyed one home and damaged another. Two persons were injured in the demolished home, but their injuries were reported as minor. The tornado overturned a tractor-trailer truck on I-20 that was carrying nearly forty thousand dollars worth of beef.</p>										
Matagorda Island, Matagorda County	22	12:13 p								Funnel aloft
10 NE El Paso, El Paso County	25	7:00 p								Funnel aloft
8 W Port Lavaca, Calhoun	29	6:30 a	10	100	0	2	4	0		Tornado, flooding
<p>A tornado touched ground eight miles west of Port Lavaca where it demolished a mobile home and injured two persons. It touched down again about seven miles south of Port Lavaca, near SH-238 where it unroofed a barn. The tornado moved from northwest to southeast. More than eight inches of rain fell at Port Lavaca during the storm and some flooding occurred in the downtown area.</p>										
Panhandle and South Plains (Northwest Texas)	31				0	0	4	0		Ice storm
<p>Light rain which began falling in the Panhandle and South Plains on the night of the 30th turned to freezing rain and sleet early in the morning of the 31st, and coated trees, utility wires, cars, streets and highways in a sheath of ice. The heaviest accumulation was in the eastern Panhandle where ice was as much as four inches thick. Southwestern Bell Telephone Company reported at least 139 poles broken off, and at one point Southwestern Public Service Company reported 10 powerline poles down in one string. Numerous towns were without power or telephone service until lines could be repaired. The worst damage to utility lines appeared to be from about 10 miles west of Canyon northeastward to Pampa; however, the northern part of the South Plains was affected to a lesser extent, with Edmonson and Halfway losing electric power for a while during the morning.</p>										

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					KILLED	INJURED	PROPERTY	CROPS	
UTAH			NONE	REPORTED					
VERMONT State	7				0	0	4	0	Rain
			Widely variable rainfall with totals mostly 1 to 3 inches. Local washing and flooding, with some road washouts and cellar flooding, mostly in central and southern portions.						
State	15				0	2	3	0	Wind
			Scattered and mostly minor damage from wind felled tree limbs. However, two were injured when a limb fell onto their car in Brattleboro.						
VIRGIN ISLANDS									
St. Croix	25	12:55 p.							Waterspout
			A waterspout was observed northwest of Fort Christiansted.						
VIRGINIA									
Chesapeake Bay	1	7:24 a.							Waterspout
			Unconfirmed waterspout reported 7 miles east of Patrick Henry Airport.						
Southeast	1	4:50 a.							Funnel clouds
			Multiple funnel clouds reported 5 miles northwest of Norfolk Regional Airport.						
Central Virginia	4-7				6	0	0 <sup>7</sup>	0	Rain, flooding
			Heavy rain mostly from 5 to 13 inches fell over the central part of the state from the 4th to the 7th. Flooding occurred on several rivers but mostly on the James, Appomattox, Meherrin, and Nottoway river basins. The James River flooded from Scottsville to Richmond with crests 3 feet above flood stage at Scottsville and 15 feet at Richmond. Flood conditions persisted for 14 hours at Scottsville and 73 hours at Richmond. The Appomattox River flooded mainly east of Farmville to Petersburg with crest of 3 feet above flood stage at Petersburg and an estimated record flood at Petersburg. The Meherrin and Nottoway Rivers in southside Virginia had near record flooding. Six fatalities have been attributed to the rain and flooding with most due to drowning. Extensive damage occurred to highways, bridges, railroads, homes, industry, and crops.						
WASHINGTON			NONE	REPORTED					
WEST VIRGINIA			NONE	REPORTED					
WISCONSIN									
Grant County	10	2130			0	0	4	0	Hail, wind
			Extensive damage to cars and roofs, windows and siding during brief hailstorm with 1 to 2 inch hail at North Andover. Strong winds also caused large branch to fall on car at Cuba City.						
Crawford County	10	2200			0	0	4	0	Lightning
			Twenty-eight head of cattle on Everett Halverson farm north of Mt. Sterling were killed by lightning under tree in pasture.						
Dunn County	10	2125			0	1	0	0	Lightning
			A 19-year old student, William Perry, struck by lightning on UW-Stout Campus at Menomonee. Perry was carrying an umbrella and running along Broadway near the intersection with 11th Ave., when the bolt struck. He was knocked head over heels but regained his feet and entered North Hall where he collapsed. He suffered burns on his right arm.						
State	19	AM			0	0	0	6	Freeze
			Unharvested apples, potatoes and seed corn suffered freeze damage throughout state. Gays Mills area lost about 50,000 bushels or nearly \$150,000. Losses of potatoes near Antigo could run as high as \$2 million as ground froze several inches. Temperatures dropped to the 10 to 20 degree range over much of the state.						
Fond du Lac and Winnebago Counties	23	0900			0	0	5	0	Wind, rain
			A combination of high winds and rain soaked soils caused the toppling of 34 high tension towers and cable. Loss estimated at \$1/4 million. Towers were 120 feet high and built to carry 345,000 volt lines. Most of downed line located between Fond du Lac and Oshkosh.						
Lake Michigan Counties	23				0	0	5	0	Wind, Waves
			Strong northeast winds along the entire Lake Michigan shoreline from Marinette to Genosha caused extensive erosion and low land flooding. Also some damage to boats and other property. Waves estimated at 15 to 20 feet and winds gusted at 50 mph and above locally.						
WYOMING			NONE	REPORTED					

- ° 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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