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# STORM DATA

U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
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AUGUST

1972

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No. 8

Asheville, N.C.

1972

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 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>									
Stevenson, Jackson County	9	2:30 p			1	4	0		Electrical
			Lightning severely damaged a \$75,000 kw generating unit at Widow's Creek Steam Plant near Stevenson setting off fires in an oil circuit-breaker and in the generator itself. One worker injured slightly by concussion.						
Tuscaloosa, Tuscaloosa County	9	6:00 p			0	0	0	0	Hail
			Hail up to 1 inch in diameter fell for about 10 minutes.						
Mobile, Mobile County	23	1:40			0	0	0	0	Hail
			Hail up to 1 3/4-inch diameter fell briefly at corner of Azalea Rd., and Highway 90 about 14 miles past of Mobile Airport.						
<b>ALASKA</b>									
NONE									
<b>ARIZONA</b>									
Chandler & Apache Junction	5	Evening			0	0	5	0	Wind
			Strong winds destroyed two unoccupied mobile homes near Chandler and damaged a car wash and a patio roof. A home in Apache Junction was also unroofed. Wind and blowing dust pitted wind-shields and damaged paint on cars near Chandler.						
Flagstaff (40 miles SSE)	8	Noon			0	0	0	0	Hail
			Hailstones of size 1 1/2 inches were reported near Baker Butte.						
Kingman (11 miles NE)	8	3:00 p.	2	300	0	0	0	0	Tornado
			Funnel cloud touched ground for about one hour in open country. The storm moved toward the west-southwest and was accompanied by 1/2 inch hail.						
Chino Valley (near)	10	Afternoon			0	0	0	0	Tornado
			Two funnel clouds were reported a few minutes apart, one northwest of Chino Valley and one to the northeast. It was reported that both funnels touched the ground in uninhabited areas.						
Flagstaff (Airport)	11	2:00 p.			0	0	0	0	Hail
			Hailstones of diameter 3/4 inch fell from 2:00 p.m. to 2:12 p. m.						
Prescott	11	4:42 p.			0	0	0	0	Hail
			Hail of 1 inch size fell near Prescott Airport.						
Buckeye	12	Early Morning			0	0	4	0	Lightning
			A lightning fire destroyed a home east of Buckeye.						
Phoenix	12	8:00 p.	1/4	15	0	0	0	0	Tornado
			Small tornado touched ground briefly in south Phoenix in an unpopulated area near 10,900 South 7th Avenue.						
Chandler	12	Evening			0	0	4	0	Wind
			Strong winds accompanying a thunderstorm destroyed an antique car museum.						
Pima	26	Early Morning			0	0	5	5	Rain
			Heavy rain locally and in the surrounding mountains began before dawn and continued throughout the morning and afternoon. Flood waters breached canals and irrigation ditches, flooding a number of homes and businesses. Flood waters also caused considerable damage to roads and farm lands in the area.						
<b>ARKANSAS</b>									
Edgemont, Cleburne County	6	3:35 p.							Funnel
			Funnel cloud aloft not observed to touch ground.						
Ferndale, Pulaski County	6	5:20 p.			0	1	4		Wind
			Strong wind overturned mobile home causing minor injuries to one person.						
Corning, Clay County	6	Late afternoon			0	0	4		Wind
			Strong wind demolished airplane after tie-down lines broke.						
Crossett, Ashley County	7	7:55 p.			0	0	3		Hail
			1 3/4" hail over small area caused some roof damage.						
Grady, Lincoln County	8	4:45 p.			0	0	0		Hail
			1 3/4" hail reported by public.						
<b>ARKANSAS (continued)</b>									
Near Hope, Hempstead County	8	6:45 p.							Funnel
			Funnel cloud reported by pilot of State Police airplane 32 miles northeast of Texarkana. Storm moved south.						
Nashville, Howard County	8	Early evening			0	0	4		Lightning
			Lightning started fire that destroyed residence.						
Texarkana area, Miller County	9	5:50 p. to 6:10 p.							Funnel
			Two funnel clouds reported north of Texarkana apparently did not touch down.						
Fouke, Miller County	10	7:20 p.							Funnel
			Funnel cloud reported 3 miles south of Fouke. Moved northeast.						
Conway, Faulkner County	14	4:00 p.			0	0	4		Wind and Rain
			Strong wind blew down trees, ripped off roofs and blew down power lines.						
Heber Springs, Cleburne County	22	12:15 p.			0	1	4		Wind and Rain
			Strong wind blew down trees, power lines, and signs, damaged roofs and blew out windows. One person injured when hit by power line.						
<b>CALIFORNIA</b>									
Victorville	6	1329P	--	--	0	0	0	0	Funnel Cloud aloft
Merco	13	Evening	--	--	1	1	0	0	Thunderstorm
			Lightning struck the tree under which a young boy and his father were standing.						
5 miles SW Baker	13	1400P	--	--	0	0	0	0	Flash Flood
			Mud debris closed Interstate 15 for about 5 hours.						
Crescent City	16	0700 - 1200P	--	--	4	many	5	0	High winds and very rough seas.
			High winds associated with a rapidly developing cyclonic circulation (Neutertane) peaked in intensity about 1000P at Crescent City. Gusts reached 43 knots at this time. Brookings, Oregon to the north recorded gusts to 65 knots at 1100P. Many fishing craft were exposed to high winds and heavy seas resulting in the loss of 13 lives (four of which were from California) and damage to over 400 boats. The storm moved northeastward over land and quickly dissipated.						
Yosemite	27	Afternoon	--	--	1	1	0	0	Thunderstorm
			Lightning killed a mountain climber in YOS						
Bakersfield	27	1600P	--	--	7	90	5	0	Dust storm-low visibility
			A dust storm across Interstate 5 reduced visibility to near zero causing multiple automobile accidents about 5 miles SW of Bakersfield.						
Coalinga 14 NW	30	1800P	--	--	0	0	0	0	Flash flood
			Between 1700 and 1800P a cloud burst in the Bear Canyon-Juniper Ridge area southwest of this station resulted in .99 inch precip. at Coalinga 14 NW. Flash flooding resulted. This disturbance is believed to have been associated with tropical storm Owen.						
Southern California Coast	30	--	--	--	0	0	0	0	Tropical Storm Owen
			Tropical storm remained off the coast and caused no significant damage. Heavy wave action was hazardous to beach swimmers.						
<b>COLORADO</b>									
Denver	2	2:30 p.			1	4	4	0	Wind
			One workman killed and 4 others injured when gust of wind destroyed a partially completed apartment building in South Denver.						
Golden	2	4:00 p.			0	0	0	0	Hail
			1 3/4 inch hail reported in Golden.						
Kiowa County	2	7:30 p.			0	0	?	?	Hail, damaging wind
			1 1/2 inch hail, heavy rains, and wind gusts reported at greater than 60 knots hit near Haswell.						
Larimer County	10	PM			0	0	0	0	Lightning
			Seven timber fires were started by lightning west of Fort Collins.						
Monument	16	1:30 p.			2	1	0	0	Lightning
			Two sisters were killed and their mother injured when struck by lightning while picnicking near Monument in El Paso County.						
Lakewood	16	6:00 p.			0	0	3	0	Damaging wind
Littleton	17	6:30 p.			0	0	2	0	Wind

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					KILLED	INJURED	PROPERTY	CROPS		
<b>COLORADO (continued)</b>										
										Several trees and utility poles were blown over, and a number of windows broken by winds with gusts reported at greater than 50 knots in the Littleton area.
Kit Carson County	23	3:15 p.			0	0	0	0		Funnel
Phillips, Yuma, and Kit Carson Counties	23	6:00 p.			0	0	0	3		Hail
										1 3/4 inch hail reported 32 miles west of Imperial, Kansas. Locally heavy damage to crops was reported in an area northeast of Stratton.
<b>CONNECTICUT</b>										
Southern sections	3	8:00 p.-11:00 p.			0	0	4	0		Thunderstorms
										Frontal thunderstorms caused heavy rains which flooded streets and cellars in Ansonia, Derby and Shelton and shopping malls in Waterford, East Lyme and New London where the weight of water collapsed the roof of an insurance building and lightning strikes caused some power failures
Norfolk, Colebrook; Litchfield Co.	7	10:35 p.-10:50 p.	8	100-200	0	0	5	0		Tornado
										Moving northeasterly at 35 mph from Norfolk into Colebrook, tornado cut a swath through the forest in Norfolk before lifting and touching down again in Colebrook. Many shade trees were downed and several houses were damaged by falling trees and limbs in Norfolk where a camper was also destroyed. In Colebrook, shingles were torn from several houses, a trailer was destroyed and several trees were downed with one hitting an automobile.
Watertown, Morris, Thomaston, Litchfield Co.	9	12:00 p.-12:05 p.	2	Few	0	0	4	0		Tornado
										Touching down first on the Morris, Watertown town line and then briefly twice in Thomaston, tornado caused some damage to two houses and downed a few trees and several power lines.
Norfolk, Litchfield Co.	14	Even			0	0	3	0		Heavy rain, hail
										Thunderstorm produced heavy rain which damaged road. Hail up to 3/4 inch in diameter occurred.
<b>DELAWARE</b>										
Central portion	7	Evening			0	0	3	0		Wind
										Some scattered minor damage was caused by strong gusty winds associated with thunderstorms.
<b>FLORIDA</b>										
Wildwood Sumter Co.	01	about 8:00p			0	0	4	0		Wind Damage
										High winds did heavy damage at the intersection of U. S. 301 and the turnpike. The Eight Days Inn Motel, currently being built reported more than \$200,000 damage. The Wildwood Trading Post, Raceway Service Station, a mobile home, power lines and many trees also suffered heavy damage. No injuries were reported.
5 NE Tampa	02	1:05p								Funnel aloft
5 ENE Orlando	04	4:50p								Funnel aloft
Daytona Beach	07	about 1:15p			0	1	0	0		Lightning
										A bolt of lightning stunned a 21 year old county lifeguard knocking him from his tower as he cleared the beach of bathers just north of the Sunglow Pier.
Ft. Lauderdale	07	2:30p								Funnel aloft
9 E Key West	08	7:17a								Funnel aloft
Melbourne Beach Brevard Co.	08	about 1:30p			0	4	0	0		Lightning
										A lightning bolt knocked a young woman unconscious and left three other persons shaken during a thunderstorm. The women were foraging for fishbait and were approaching the surf when the electric arc knifed to the ground and left a one-foot deep hole in the sand about 20 feet from where they were standing. All the victims were knocked to the ground.
New Smyrna Beach Volusia Co.	08	daytime			0	1	0	0		Lightning
										A 40 year old woman was struck by lightning while taking clothes down from the line. The woman suffered from shock and burns.
Orange Park Clay Co.	09	afternoon			0	1	0	0		Lightning
										An 18 year old girl was struck by lightning while talking on the telephone. The lightning struck a tree near the house and ran down the tree into the house. The girl was seriously injured.
Sorrento Lake Co.	09	afternoon			1	2	0	0		Lightning
<b>FLORIDA (continued)</b>										
										One 18 year old was struck by lightning and killed instantly while working in a grove. Two other men were injured and burned.
L2 SSE Valparaiso	10	6:20a								Waterspout
5 NNE Palm Beach	10	7:50a								Funnel aloft
Starke Bradford Co.	10	about 5:45p			0	0	5	0		Lightning
										Lightning struck a home apparently in the kitchen area and spread through the air conditioning ducts causing the entire roof area to blaze at the same time. The home and contents were a total loss. Also a car parked under the carport was declared a total loss. Damage is estimated at \$50,000. No injuries were reported.
Indian Mounds St. Pk. near Tallahassee	11	afternoon			0	1	0	0		Lightning
										Lightning struck and killed a horse causing the animal to topple upon a young girl who was standing nearby. The girl suffered a broken leg.
7 E Ft. Lauderdale	12	8:45a								Waterspout
Sanford Seminole Co.	12	afternoon			0	0	4	0		Wind Damage
										Damage estimates running into the thousands of dollars resulted from heavy winds at the Sanford Airport. Uprooted trees, downed power lines, were among the damages. A helicopter was tossed on its side and heavily damaged, while a small plane was torn from its moorings by the heavy winds.
Allentown near Panama City	12	afternoon			1	0	0	0		Lightning
										A 16 year old youth was struck and killed by lightning while standing on a dock.
11 NW Key West	12	5:45p								Funnel aloft
10 NW Key West	14	3:29p								Waterspout
4 NE Daytona Beach	15	6:16a								Waterspout
20 ESE Tampa	16	1:28p								Funnel aloft
Hookers Point Hendry Co.	16	daytime			0	1	0	0		Lightning
										A man was treated for burns after a bolt of lightning hit the ground near him at an oil company installation.
St. Cloud Osceola Co.	16	daytime			1	0	0	0		Lightning
										A lightning bolt killed a 61 year old woman while she was walking toward her car near her rural home.
St. Petersburg	17	about 4:50p			1	0	0	0		Lightning
										A 25 year old man was killed during a thunderstorm when lightning struck him as he opened the door of his car in the parking lot where he worked.
5 SE Palm Beach	18	10:15a								Waterspout
Apopka Orange Co.	20	about 7:30p			0	0	4	0		Wind Damage
										Engineers estimated \$2,000 damage, resulted when a 60 x 14 brick wall and steel supports were blown down in the construction of a new sewer plant. One mobile home was flipped and destroyed and another heavily damaged. Downed power lines and uprooted trees were numerous. Estimated damage \$10,000. No injuries were reported.
10 E Miami	21	10:21a								Waterspout
Boca Raton 16 NE Ft. Lauderdale	21	11:26a								Funnel aloft
Ft. Lauderdale	21	4:22p								Funnel aloft
15 NE Miami	22	8:22a								Waterspout
5 E Miami	22	8:45a								Waterspout
22 NE Miami	22	8:54a								Waterspout
Venty Homestead	22	about 9:00a								Funnel alofts (2)
										Two funnel alofts were sighted.
2 NE Homestead	22	9:55a								Waterspout
5 NNE Key West	22	12:51p								Funnel aloft
8 NW Orlando Maitland	22	2:50p			0	0	5	0		Wind damage
										Heavy wind damage was done to the Capistrano Apts. Eight apartments were damaged and 2 automobiles

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					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS						
<b>FLORIDA (continued)</b>											<b>GEORGIA (continued)</b>														
L N Deland 13 SW Daytona	22	4:55p	1	50	0	0	4	0	250,000	Tornado	Moultrie, near	20	5:00 p			0	0	4	0		Wind and lightning				
Over Cat Point 8 E Apalachicola	23	5:50p								Waterspouts (2) Two waterspouts were sighted.	HAWAII	17				0	0	3	0		Thunderstorm winds overturned and demolished a trailer home and uprooted several trees. A farm building filled with hay burned after being hit by lightning. Lightning also caused interruptions in utility service.				
10 NE Key West	23	6:06p								Waterspout	West Side of South Point, Hawaii Island										High waves (Hurricane Celeste and Tropical Storm Diana)				
31 SW Vero Beach S Lk Okechobee	25	3:32p								Funnel aloft											High waves, probably a combination of those generated by Hurricane Celeste and Tropical Storm Diana, swamped 3 moored small fishing boats and smashed one of them against rocks for total loss of \$2,000.				
10 S Palm Beach	25	6:66a								Funnel aloft	Puna Coast, Hawaii Island	18	Morning through Afternoon			0	2	5	0		High waves (Tropical Storm Diana)				
Penaces 22 S Tallahassee	27	12:00p								Waterspout											At Kapoho Vacationland, waves estimated up to 30 feet high generated by Tropical Storm Diana swept 4 homes off their foundations damaging one extensively, flooded another home, washed rocks and debris onto other property and washed away 200 feet of surface of private road. Damage to homes estimated at \$75,000, excluding furnishings. A couple, knocked down and swept into bushes by high waves, received minor cuts and bruises. At nearby Pohoiki, \$2,000 damage to swimming pool reported.				
Near Gibsonton 13 SSE Tampa	27	3:05p								Funnel aloft	IDAHO														
18 E Homestead	28	8:45a								Waterspout	Ashton, Fremont County	1	5 p.m.					3			Wind				
6 N Homestead SW Tamiami AP	28	3:56p								Funnel aloft											Wind gusts estimated to be about 60 m.p.h. toppled a leg, or grain lift, from a grain elevator. As a consequence, a power line for Ashton was knocked out leaving the south side of the city without power for some 3 1/2 hours.				
Miami Beach 9 E Miami	28	1:45p								Funnel aloft	Banida, Franklin Co.	2	Evening						3		Lightning				
10 N Key West	29	3:13p								Waterspout											A bolt of lightning struck in a wheat field burning several acres of grain.				
Miami	29	3:30p								Funnel aloft	North, Central, and Southwest Idaho	9	Evening					4			Wind, Lightning				
Boca Raton Beach 16 NNE Ft. Lauderdale	30	12:06p								Waterspout											Thunderstorms, accompanied by strong wind and lightning, accounted for a dust shrouded nine-car pile up on Interstate 80N nearampa, Canyon County. Many trees were damaged southwest. Lightning set hundreds of forest fires and damaged several structures from Sandpoint in the north southward.				
Boca Raton	30	12:47p								Funnel aloft	Idaho Falls, Bonneville County	13	Night					2			Thundershower				
N Hollywood 8 SE Ft. Lauderdale	30	2:45p								Funnel aloft											A heavy downpour and strong bursts of lightning caused power outage north portion of city. Basements were flooded in lower areas.				
2 1/2 N Mc Coy AFB Orlando	30	3:30p								Funnel aloft	Dry Lake, South Canyon County	14	7:45 p.	6	1760				4			Hail			
15 W Tampa	31	11:20a								Funnel aloft											A devastating hailstorm followed by rain throughout the night battered potato vines, stripped onion fields of green stalks, shredded tops of beets, and felled cornstalks laden with sweet corn.				
<b>GEORGIA</b>											Blackfoot, 5 mt. NE, Bingham County	14	p.m.	5	1760					3			Hail		
Gwinnett County	5	Night			0	1	4	0		Rain											A hailstorm did severe damage to crops on several farms. Some corn crops were completely destroyed, hay was knocked down, beet and potato crops were set back by about three weeks where vines were nearly denuded of leaves.				
Smyrna, Cobb County	7	8:00 p	4	20	0	0	2	0		Tornado	American Falls to St. Anthony, Eastern Idaho	14	2 p.-3 p.					4	3		Thundershowers, Wind				
										Police officers reported a small funnel that appeared to hop along the ground in downtown Smyrna. A car and truck were spun around and trees and power lines were knocked down. Moved from west to east.												Severe thunder showers and high winds with rain damaged buildings, disrupted overhead utility services and overflowed drainage lines. Rainfall was heaviest in the Pocatello area where flash flooding was reported.			
Sylvania	8	p.m.			0	0	4	0		Wind	Idaho Panhandle, North	14-15	Evenings						4			Thunderstorm, Wind			
										The brick wall of a large equipment company building collapsed and part of the roof of a bank building was blown off. Trees were uprooted.											Damaging winds, lightning strikes, and accompanying rain two evenings in a row sunk and piled up boats in Lake Pend Oreille and Priest Lake, toppled trees, knocked out power transformers, damaged structures and downed overhead utility services over a wide area.				
Camilla, Mitchell County	9	3:30 p			0	0	4	0		Rain, wind and lightning	Kimberly, Twin Falls County	20	11:00 p.							3		Lightning			
										A cloudburst dropped just over 4 inches of rain on the city. Most of the rain fell in a 45-minute period, flooding streets and damaging some businesses and residences. Lightning caused interruptions in electrical service and knocked out the city's water system. A home was destroyed by fire in nearby Hopefull after being struck by lightning. Trees were uprooted and hail was also reported but apparently caused no damage.														A lightning-set fire burned some 70 tons of hay.	
Augusta	11	a.m.			0	0	4	0		Rain, lightning and wind	Grangeville, Idaho County	29	8:10 p.			1	1	5				Lightning			
										Heavy rains caused flash flooding in parts of Augusta and lightning started several fires over the city. Minor wind damage also occurred and some hail was reported. The rains caused most of the damage as streets were flooded in several parts of the city and water moved into a number of homes. A young girl was run over by her car after it apparently stalled in a flooded street and she got out to investigate.															Two men, walking about 30 feet apart 1 1/2 miles west of town, were struck by lightning. One was killed instantly and the other was revived. 128 fires were reported in National Forests from the Boise to the Nexperce.
											Blackfoot, Bingham County	30	Evening					2	4			Wind			

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IDAHO (continued)										
<p>Two persons were hospitalized after a gust of wind toppled the mobile home they were towing dragging the diesel tow truck off the Interstate 15 north of the city.</p>										
ILLINOIS										
Woodlawn	3	0500 p.			1	0	?	0		Lightning
<p>A 14-year old girl was killed by lightning as she was standing in the front yard of her home, under a tree.</p>										
Hersman, B	3	0315 a.			0	0	4	0		Lightning
Carbondale, Murphysboro, Jackson County	3	evening			0	0	4	0		Heavy rain, lightning
<p>Damage primarily due to flash flooding. Over 3 inches were reported to have fallen in a 1 hour period in Carbondale.</p>										
Gladstone	6	0045 a.			0	0	4	0		Lightning
Bureau, Marshall Putnam, and LaSalle Counties	6	0520 p.			0	0	?	?		Wind, hail, heavy rain
Northern Winnebago and Boone Counties	6-7	evening, morning			0	0	?	?		Wind
<p>Tree, property and crop damage resulted from thunderstorm winds with heaviest damage from Roscoe to Galedonia.</p>										
Paxton	11	0300 p.			0	0	?	?		3/4 inch hail
Jefferson County	12	0012 a. 0300 a.			0	0	4	?		Wind, rain, lightning
<p>Wind, flooding and lightning damage reported in Mt. Vernon and the immediate surrounding area.</p>										
Fairfield	12	morning			0	0	4	0		Lightning
Dallas City	12	1030 p.			0	0	4	?		Wind, rain
<p>Five (5) inches of rain in a 2 hour period produced flash flooding, and was accompanied by damaging winds.</p>										
NE Illinois	11	0245 p.-0430 p.			0	2	5	?		Wind, rain
<p>Severe thunderstorms moving southeast from Winnebago and Boone County through the Chicago area were associated with strong winds, producing widespread tree damage. Major property damage was a bit more scattered. Power lines were damaged, resulting in numerous blackouts in the Western Chicago suburbs. Two men were injured when a roof of a garage they had taken refuge in collapsed when the storm struck near Waukegan. Winds up to 64 mph were reported in DuPage County.</p>										
Marion	20	0300 p.			0	0	4			Wind, lightning
St. Clair, Monroe Co.	21	0530 p.			0	0	?	?		Wind, rain, lightning
<p>Wind and lightning caused widespread power blackout. Flooding in the Centerville, Cahokia areas.</p>										
Southern Cook County	22	0215 p.			0	4	5	0		Wind, rain, lightning
<p>Downed power lines, flooding, property damage was associated with eastward moving severe thunderstorms. Four men received minor injuries when a tree under which they were standing was struck by lightning.</p>										
Near Ottawa (Farm Ridge Township)	23	Noon	?	?	0	0	3	0		Tornado
<p>Brief touchdown, destroyed barn. Several witnesses saw the funnel touchdown. No direction of movement indicated.</p>										
Park Ridge	25	0930 p.	3/4	200	0	1	6	0		Tornado
<p>Although this tornado was associated with the thunderstorm activity in northern Illinois which is covered in the next entry, its characteristics were significantly different from the rest of the storm. General strong winds occurred in Park Ridge and DesPlaines, however, the tornado damage seemed to be confined to the southern portion of Park Ridge. The path was intermittent and short. Although no funnel clouds were reported, witnesses told of roaring sounds and pressure on their ears. Pressure type damage was common, roofs were blown off, cars were overturned and extensive tree damage occurred. Direction of movement is estimated to have been to the north, northeast. Only one minor injury reported.</p>										
Northern Ill.	25-26	afternoon-early morning			1	10	7	?		Rain, wind, lightning, hail
<p>With the exception of the wind and tornado activity in Park Ridge and some 3/4 inch hail near Milledgeville, most of the damage was associated with the heavy rain and resulting floods. From 2 to 7</p>										
ILLINOIS (continued)										
<p>inches of rain, most of it coming in a 2 hour period began in the northwestern and north central Illinois about midday on the 25th and progressed to the Chicago area by 0500 PM where it continued into the early morning hours of the 26th. Some of the cities which suffered flash flood damage were Milledgeville, Sterling, Rockfalls, Rockford, Dixon, DeKalb, Rochelle, and Marango. The hardest hit region was the suburb areas of Chicago, especially DuPage County. Heaviest flooding in that region was in the immediate drainage of the DuPage River and Salt Creek. Flood damage to residential, commercial and government property ran into the multi-million dollar category. A National Weather Service employee measured 6.88 inches of rain at his home in Lombard, a western Chicago suburb. Nearby, in Bridgeview, the roof of the Golden Grain Macaroni Company collapsed because of the heavy rain, injuring 10 people, 1 fatally.</p>										
INDIANA										
Economy, near (Wayne County)	2	E.S.T. 7:15p.	2	100	0	0	5	3		Tornado
<p>Three farms, along US 35, had extensive damage to two dwellings, one barn, and numerous farm buildings. A new travel trailer was demolished, a car and farm machinery damaged, and trees uprooted.</p>										
Dalton, 6 1/2 miles SE (Wayne County)	2	8:11p.								Funnel cloud
Sullivan area (Sullivan County)	3	About 4:32p.-4:45p.	?	?	0	0	4	5		Wind, hail
<p>According to airport manager, wind gusts reached 95 MPH. One restaurant and several homes damaged in Sullivan and numerous cars damaged by falling tree limbs. In a nearby trailer park extensive damage occurred and one mobile home was demolished. Only minor injuries reported. About two miles northwest of the town, golf-ball size hail destroyed hundreds of acres of soybeans and corn. Wind collapsed a barn, blew down other farm buildings and uprooted trees.</p>										
Northwest Indiana	6	Evening	?	?	0	1	4	0		Funnel clouds (2), wind
<p>A funnel cloud was reported over Newton County and another in Pulaski. At Benselaer, in Jasper County, wind damage was reported at the fair-grounds with injury to one person.</p>										
Clark County, 15 miles NE of Louisville	8	7:20p.								Funnel cloud
<p>Funnel moving SSE reported by Indiana State Police.</p>										
Lagrange, SW (Lagrange County)	14	4:40p.			0	0	3	3		Lightning
<p>Large barn and new hay destroyed in lightning-caused fire.</p>										
Wanatah vicinity (LaPorte County)	14	5:00p.								Funnel cloud
<p>Funnel sighted about 1 mile south of US 30 in Wanatah area.</p>										
Kokomo, 9 miles W (Howard County)	14	6:25p.								Funnel cloud
Marion (Grant County)	14	6:40p.								Funnel cloud
Madison County	14	E.S.T. 7:22p.								Funnel clouds (3)
<p>A funnel was sighted over Alexandria at 7:22 p.m. A sighting was reported north of Anderson and at 7:36 p.m. a third funnel was reported "very high up" near Anderson.</p>										
Washington (Davies County)	14	7:40p.								Funnel cloud
Butler (DeKalb County)	18	6:30p.	?	?	0	0	3	3		Wind, hail
<p>Police reported several wires and trees down from 1/2 inch size fell in the area.</p>										
Decatur County	19	About 1:00p.	?	?	0	0	4	3		Wind, hail, lightning
<p>Lightning-caused fire destroyed barn and contents near Adams. Greensburg had considerable damage from falling trees. Weather Observer reported hail of 1/4 inch diameter in the County.</p>										
Spencer, 3 miles NE	23	8:05p.								Funnel cloud
IOWA										
2N Elwood, Clinton County	1	8:15 p	1	50	0	0	4	4		Tornado
<p>Damaged two farmsteads, moved NE.</p>										
Dubuque County	1-2				0	0	6	4		Heavy rains
<p>\$500,000 losses and 100 homeless in Dubuque area. 8 county bridges washed out. Heaviest losses along Little Maquoketa River at Daytonville, Sageville and Durango. Mississippi River went to flood stage at Dubuque, first time in August in 103 years of record. Flooding mostly 2-3.</p>										
Laurens, Pocahontas County	5	4:30 p			0	0	4	5		Windstorm
Buena Vista, Pocahontas, Webster, Humboldt and	5	4:55 p			0	0	6	7		Hailstorm
<p>84 sq. miles in Pocahontas, 72 sq. miles in Humboldt and 36 sq. miles in Webster County damaged. At Have-</p>										

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 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>IOWA (continued)</b>									
Wright Counties		1:00 p.m.	3/4"						at Laurens wide from near Siqux Rapids to near Eagle Grove. Hail losses near Pocahontas County and Webster County.
Marshalltown, Marshall County	5	7:30 p		30 miles per hour.					Funnels (2)
Gladbrook, Tama County	5	7:35 p		Moved ESE.					Funnel
SNE Belle Plaine, Benton County	5	8:10 p	12	25	0	0	5	4	Tornado area, moved ESE.
Wilton, Muscatine County	6	2:10 p							Funnel
Hedrick, Keokuk County	6	3:00 p			0	0	4	0	Lightning
Larchwood, Lyon County	10	3:30 p			0	1	0	0	Lightning while descending a ladder along an oats crib.
Moorhead, Monona County	14	7:00 p			0	0	4	4	Windstorm Hail also struck several farms (30% of loss).
<b>KANSAS</b>									
North Central portion	2	aftn	?	**2-3	0	0	5	5	Hail Heavy hail damage occurred in southern Smith and northern Osborne Counties. Largest stones were about 2 3/4 inches in diameter.
Ellis County	2	5:30 p.	very short	150	0	0	5	0	Tornado Tornado, moving SE, touched down briefly at the north central edge of Hays.
Northwest portion	2	aftn, eve			0	0	5	5	Wind, hail, lightning, rain, funnel aloft Damage was reported in scattered areas. Most widespread damage occurred in extreme southern Cheyenne County and the northern half of Sherman County where hail up to 2 3/4 inches diameter fell. A funnel aloft was reported 7 1/2 mi. SW of Colby in the evening.
Leavenworth County	2	9:00-10:00 p.			0	0	5	4	Wind, rain Very strong winds caused damage in northern Lansing and in parts of Leavenworth. Torrential rain caused flash flooding at Easton, and in other isolated areas. Heaviest wind damage totalled \$115,000 at Lansing where eight houses, nine mobile homes, five autos, and several outbuildings were damaged.
Smith County	5	about 11:00 p.			0	0	4	4	Hail, wind Wind and hail damage was reported in the Kensington area and south of Gaylord.
Fimney County	7	7:35 p.			0	0	3	3	Hail Hail 1/2 to 3/4 inch in diameter fell just NE of Garden City.
East Central	8	a.m.			0	0	4	0	Lightning, wind A lightning-caused fire destroyed a house 2 mi. NW of Cadmus in Linn County about 4:30 a.m. and winds damaged buildings at two farms 4 mi. south of Auburn about 3:00 a.m.
Southeast portion	21	eve			0	0	4	0	Lightning A large barn was destroyed west of Climax about 7:00 p.m. and a house was destroyed about 10:00 p.m. near Walnut.
Johnson County	22	12:15 a.	*70	15-20	0	0	4	0	Tornado Small tornado touched down briefly 5 mi. SSE of Bonner Springs.
Northeast portion	22	early a.m.			0	0	4	0	Lightning, wind, rain Heaviest damage was in Wyandotte and Johnson Counties but wind damage also occurred locally in Shawnee and Jefferson Counties.
Stanton County	22	4:00 p.	short	220	0	0	4	0	Tornado Tornado, moving SE, touched down briefly 3 mi. east of Johnson.
Stanton County	22	about 4:00 p.	?	**3-5	0	0	4	6	Hail, wind Hail, with the largest stones up to about 1 inches in diameter, caused \$2 to \$3 million damage to crops.
Central, south central portions	24	late aftn			0	0	4	0	Wind Damage was reported locally in McPherson, Sedgwick, and Sumner Counties 5:00-7:00 p.m.
<b>KANSAS (continued)</b>									
Jefferson County	24	Before 7:10 p.			0	0	3	3	Hail Hail 1/2 to 1 inch diameter fell 17 mi. E of Topeka in the Perry Lake area.
Southeast	24-25	night of 24-25			0	0	4	0	Wind, lightning, funnel aloft Most of the damage occurred in Elk and Chatauqua Counties eastward to the State line. A funnel aloft was reported near Garland about 9:20 p.
Marshall, Washington Counties	24-25	night of 24-25			0	0	5	4	Rain Heavy rains estimated as high as 10 to 13 inches in some spots, produced flash flooding, washing out bridges and causing damage to crops. Basements were flooded in Washington, Linn, Palmer and many farm homes.
Hamilton County	31	11:00 a. (MST)							Funnel aloft Funnel aloft observed NE of Syracuse about 6 mi.
Ford County	31	3:40-4:00 p.	10	15	0	0	0	0	Tornado Small tornado, moving SE, was on the ground at times from 6 mi. SW of Ford to 1 1/2 mi. SSE of Ford.
<b>SPECIAL HAIL SUMMARY</b>									
Hail Loss Clearing House reports indicate hail was especially severe in the following counties on the dates indicated:									
<b>KENTUCKY</b>									
Northern Bluegrass	3	Afternoon			0	1	?	?	Lightning, wind, rain At 4:00 p.m. EST, in Newport, Campbell County, lightning knocked a man out of a chair onto the floor. He was dazed but suffered no lasting injury. Lightning and wind were responsible for power outages over much of the area of Kenton, Boone and Campbell counties; there were several vehicular accidents in heavy rain and basements were flooded. There was minor lightning damage to at least 1 home in Boone County; to at least 2 homes in Grant County; 8 cattle were killed by lightning in Kenton County.
Rowan and Bath Counties	3	8:00 p.			0	0	6	6	Flash flood Heavy rains associated with thunderstorm activity caused flash flooding in the western and northwestern sections of Rowan County and in the extreme eastern portion of Bath County. In Morehead, Rowan County, the National Weather Service Cooperative observer was reported to have estimated a 3-inch or more fall in one hour, 6.1 inches in less than 4 hours (complete data will be published in this month's issue of the NOAA publication HOURLY PRECIPITATION DATA KENTUCKY.) The State Police gage at Christy Creek (unofficial) was reported to have accumulated 6.2 inches in 3 1/2 hours. The National Weather Service gage west of Farmers reported a little over 4 inches for the 24-hour period ending at 7 a.m., August 4, 1972. (News reports stated that the rainfall intensity was about the same as that of July 5, 1959 when a flash flood at Morehead claimed 27 lives and caused millions of dollars in property damage; between 5 1/2 and 6 inches of rain fell in a 2-hour period in 1939.) News reports stated that perhaps the heaviest 1972 personal property damage was in West Morehead, several homes and all of the basements in the area being flooded. The water was over parts of Main Street (US60) in this area. The County Agent stated that farmers in western and northwestern Rowan County lost their tobacco and corn crops, and that hundreds of gardens were destroyed; that he estimated farm damage at \$200,000. Several homes in Farmers, 8 miles west of Morehead, had first floor water damage; the water covered Main Street (US 60) at Farmers. One of the hardest hit areas was the Bluebank community, west of Farmers, and along the Licking River. Several homes were washed away and a number of crops were lost. The Department of Highways made no estimate of the total damage to roads and bridges, pending a complete appraisal. However, one news report gave a figure of about \$100,000 as a preliminary estimate of damage to roads in Rowan County. Between 300 and 400 families were forced to move to high ground in the Farmers area and in parts of Bath County. The Morehead Fire Chief in a news report was quoted as having estimated damage on the city of Morehead at between \$250,000 and \$300,000.
Warren County	3	11:30 p.			0	0	4	0	Lightning Fire apparently set by lightning destroyed a business building in Bowling Green.
Kenton County	19	2:20 p.			0	1	0	0	Lightning Lightning was reported to have seriously injured a man working on an air conditioner outside a Covington home.
Grant County	19	2:37 p.			0	1	4	7	Wind, lightning A storm moving south-southeastward touched down at 2:37 p.m. EST (clock stopped) very briefly, lasting 3 minutes, at Corinth in southern Grant County. Damage was confined to an area estimated

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					KILLED	INJURED	PROPERTY	CROPS	
<b>KENTUCKY (continued)</b>									
									at 50-75 feet wide and about 400 feet long. No funnel was visible. There was heavy rain and very poor visibility at the time. There was however a noise that was described as sounding like a freight train. A service garage and attached building were unroofed. A portion of the debris was blown onto a car, injuring an occupant. The debris was blown toward the southeast. High winds in the vicinity of the storm downed a barn. Fire apparently set by lightning burned a barn in the vicinity. No hail was reported.
Madison County	19	3:00 p.			0	1	5	?	Tornado, lightning
									A motorist observed a funnel-shaped or "milky cloud" lift the roof off a motel and deposit it some distance away; then watched the "milky cloud" rise up and pass over his head. Many persons spoke of the unusual color of the sky and the darkness as the storm passed by. A noise like the roar of a train was heard as the roof was ripped off the motel. There was minor wind damage to other buildings in the area and utility lines were downed. One person was reported to have been injured in an automobile accident when
Madison County Cont'd	19								a piece of the motel roof flew across the road according to the State Police. Two cars collided while trying to avoid flying gravel and wood. There were no injuries in the motel. Damage to the motel was estimated at about \$100,000. A tobacco barn was hit by lightning and burned, and 4 cattle were killed when hit by lightning. In several vehicle accidents on rain-slickened highways in the area, there were two fatalities, and several additional injuries.
Morgan County	19	3:00 p.			0	0	?	?	Wind, hail
									High winds uprooted trees about 2 miles from Ezel, near the Menifee County line at about 3:00 p.m. EST. Some utility lines were downed. However there were no casualties or major damage. The storm was said to travel toward the east or southeast and one witness stated it was the most severe storm in the area in about 20 years. Hail about the size of small hen eggs damaged 2 tobacco crops in the area. No funnel was seen. There was heavy rain and a sound described as like that of an airplane. There was wind damage also in the Wellington community about 3 or 4 miles to the east.
Lincoln County	19	4:00 p.			0	0	?	?	Hail
									Hail stones almost as large as golf balls destroyed 4 1/2 acres of tobacco in one area and additional tobacco in scattered areas of the county.
State	19				0	0	5	0	Lightning, wind
									There were scattered thunderstorms over the State, and damage due to lightning and wind was scattered over a wide area, reports coming mostly from the central third. Some of the reports follow: In LaRue County, a night-time lightning-set fire destroyed a grain bin, and contents, and miscellaneous farm machinery. In Edmonson County a lightning-set fire at 1:45 a.m. EST destroyed a home. In Ohio Co 6:30 p.m. CST fire apparently set by lightning damaged a home to the extent of about \$20,000. In Hardin County, a 5:30 p.m. CST lightning stroke killed cattle valued at \$6,000. There was minor damage due to lightning in McCreary and Bell Counties. In Laurel County at 2:10 p.m. EST a lightning-set fire destroyed a
State Cont'd	19								barn. In Jessamine County a fire apparently set by lightning at about 4:00 p.m. EST destroyed 4 barn (see other reports of the 19th for additional damage, injuries). There was minor wind damage mostly relatively minor reported from the counties of Warren, Allen, Pulaski, Boyle, Allen, Mason, Franklin, Mercer, Jefferson, Scott.
Livingston County	20	Afternoon			0	0	4	0	Lightning
									A house in the Tilina community was completely destroyed by fire apparently set by lightning.
<b>LOUISIANA</b>									
Jefferson Parish	23	2:20p.			0	0	5	0	Wind
									Strong thunderstorm winds tore portion of roof, 60 by 175 feet, from main grandstand building at race course in Kenner. Three 2500-pound air conditioning units on roof moved around. Rain damage to interior.
St. Landry Parish	26	7:15p.			0	0	?	?	Hail
									Golf-ball size hail reported in vicinity of Washington and Pine Prairie.
<b>FUNNEL CLOUDS REPORTED DURING AUGUST</b>									
Lake Pontchartrain	1	1:35p.							Near east end of Lake.
Lake Pontchartrain	2	12:26p.							Along southeast shore.
Calcasieu Parish	9	11:40a.							10 miles east of WSO, Lake Charles.
Calcasieu Parish	11	1:05p.							Five miles northwest of WSO, Lake Charles.
Cameron Parish	13	1:55p.							Several funnels in Sweet Lake-Big Lake area.
Bossier Parish	22	8:15p.							Over Bossier City; moved northeast.
St. Martin Parish	25	10:06a.							10 miles east of Franklin.
Lake Pontchartrain	25	1:50p.							Eastern section of Lake, west of Slidell.
Jefferson Parish	26	5:45p.							Harvey, moved southeast.
<b>LOUISIANA (continued)</b>									
									POINTS REPORTED DURING AUGUST
Lake Pontchartrain	10	8:55a.							Two miles northwest of Lakefront Airport.
Lake Pontchartrain	13	6:15p.							10 miles north of Lakefront Airport.
Mississippi River	26	5:45p.							Just south of downtown New Orleans.
<b>MAINE</b>									
State	9	p.m.			0	0	4	3	Wind, hail, lightning
									Locally severe thundersqualls struck various communities.
Western	25	p.m.			0	0	4	3	Wind, hail, lightning
									Scattered damage from locally severe thundersqualls.
<b>MARYLAND</b>									
Northeastern portion	7	Evening			0	0	3	0	Wind, lightning
									Strong gusty winds, associated with thunderstorms moving across the area, caused scattered minor damage. Also, some lightning damage was noted.
Cambridge	13	4:15-5:30p.							Rain
									Thunderstorm rainfall totaling 2.84 inches in 75 minutes was reported by the cooperative weather observer. Some minor flooding was noted.
<b>MASSACHUSETTS</b>									
Wilbraham	9	1:05 p.	1/2	75	0	0	3	0	Tornado
									Dozens of trees uprooted in path generally to northeast.
Phillipston, Templeton, Baldwinville, Winchendon	9	3:00 p.	10	4-10	0	1	4	2	Tornado
									Funnel "bounced" intermittently to ground in general north-eastward direction, partly along U.S. Rte. 202 in Templeton. Injury occurred in a Baldwinville cemetery. Many trees felled and utility wires broken. Path came close to some buildings but most damage minor. However, the roof was blown from a commercial building in Baldwinville. Roads in path blocked by fallen trees.
Needham, Newton, Brookline	9	3:30 - 3:45 p.	7	5-30	1	6	4	0	Tornado
									Hit-skip path with mostly minor damage in Needham, and north-northeastward to the Chestnut Hill section of Newton where it struck a Cricket Club, killing one person and injuring six, before continuing about one mile into Brookline. Heavy damage to trees with some homes damaged. Many narrow escapes from falling trees, wires, and flying glass. A very unusual tornado as it was connected with neither any electrical activity nor thunderstorm in the vicinity.
Northampton	25	p.m.			0	0	4	4	Lightning, wind, hail, rain
									Very local thundersqualls with several severe fires from lightning, many trees felled by wind, and washing and flooding from heavy rain. Rainfall 3 1/2 inches in 1 1/2 hours. Hail accumulation to 1/2 inch depth.
Western and northern	27	p.m.			0	0	5	0	Lightning, wind, rain
									Locally severe thundersqualls. Many trees felled and utility lines broken. In Cheshire a barn burned, and also one in Greenfield. Heavy rain, locally over 3 inches, caused much washing and flooding and in Greenfield collapsed a store roof.
North Leverett	27	6:15 p.	1	100	0	0	4	2	Tornado
									Two funnels seen. Barn destroyed and a house damaged. Picked up an automobile.
<b>MICHIGAN</b>									
Lansing, 12 ENE Shiawassee County	1	5:45 pm	1/10	10	0	0	2	0	Tornado
									Small funnel touched down briefly destroying a small metal shed and tent. Funnel moved WNW and carried some debris aloft for over 1/4 mile. The path was confined to the southwest corner of Shiawassee County near Cockran Road.
Pontiac Oakland County	1	7:30 pm			1	0	1	0	Lightning
									Lightning bolt snapped a 4,800-volt power line which fell on a backyard fence, a 12-year old youth was killed when he came in contact with the fence.
Ann Arbor, 22 NW Livingston County	2	2:10 pm	8 1/2	25	0	0	4	0	Tornado
									A small funnel moved ENE from a point 1 1/2 miles north of Gregory through sparsely settled farmland. The storm damaged 5 homes, 3 barns, a garage, smaller out buildings, 3 autos and cut a path through an orchard. Losses were estimated at \$25,000.
Pontiac, 12 SW Oakland County	2	3:23 pm	3 1/2	42	0	0	6	0	Tornado
									Funnel moved eastward demolishing 6 homes, damaging about 50 others. The damage path was up to 500 feet wide with cyclonic motion of debris 125 feet wide. The funnel path was through a swampy area for about

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>MICHIGAN (continued)</b>											
											1 1/4 miles. One house exploded and another was lifted off its foundation and rotated cyclonically. Some damage occurred at the Walled Lake High School before lifting. Estimates on losses exceed \$500,000.
Alpena, 46 SSE Iosco County	9	11:30am			0	0	0	0	0	0	Waterspout
											Waterspout observed over Lake Huron.
Monroe, 17 WSW Monroe County	14	3 to 3:30 pm			0	0	4	0	0	0	Windstorm
											Gusty winds in the Petersburg area toppled trees on homes and destroyed a 30 x 40-foot barn. Damage is estimated to exceed \$10,000.
Western Upper Peninsula	15-16	9 pm to 9 am			0	0	4	0	0	0	Heavy Rain - Lightning
											Heavy rain, locally exceeding 5 inches, washed out roads, closed many highways and caused flooding damage to homes at Ontonagon and Ironwood. At Iron River, a diesel locomotive was derailed when the rain washed out the roadway on Minckler Hill. A lightning-set fire heavily damaged a home at White Pine.
Muskegon, 7 NW Muskegon County	17	1:35 am			0	1	4	0	0	0	Lightning - Wind
											Lightning struck a tent with five youths at Camp Owasippi, causing minor injuries. Four were treated and released while the other was held for observation and treatment of arm and body burns and shock. At Stanwood, lightning destroyed a barn, killed a pony and burned 3,000 bales of hay and 2 snowmobiles. Some minor wind damage accompanied the storm in west central Michigan.
Jackson, 15 SE Lenawee County	18	10:45 pm	1/10	10	0	0	4	0	0	0	Tornado
											A small funnel moved northeastward and damaged trees, boats and buildings on the south shore of Dewey Lake. Total damage is estimated at \$5,000.
Southern Michigan	18-19	pm - am			0	0	5	0	0	0	Thunderstorms - Lightning - Funnel Clouds
											Bands of thunderstorms moved eastward across southern Michigan to produce flooding, fires and wind damage in scattered areas. One band began about 3 pm and the last one about 11 pm in west Michigan spreading eastward. Major losses: Muskegon, a plane flipped over, considered a total loss; at Holton, a lightning-set fire destroyed a store; loss was estimated at \$80,000; near Shelby, the heavy rain washed out a 24-foot section of track. Funnel clouds were reported near Grand Rapids and Marshall.
Big Rapids, Mecosta County	21	8:30 pm			0	0	4	0	0	0	Lightning
											Lightning killed 21 dairy cows and a bull in a feed lot in Millbrook Township. The loss is estimated at over \$13,000.
Saginaw, 7 SE Saginaw County	22	6:45 pm	1/20	10	0	0	3	0	0	0	Tornado
											Funnel touched down briefly at Bridgeport moving a garage 40 feet and taking the roof off one home. The funnel moved eastward.
Flint, 25 SSW Livingston County	23	5:53 pm			0	0	0	0	0	0	Funnel Cloud
											Funnel aloft observed, no touchdown or damage reported.
Holland, 13 SW Allegan County	23	10 - 11:30 pm			0	0	4	0	0	0	High Winds - Thunderstorms
											Thunderstorms and gusty winds destroyed 2 trailers, a 30 x 55-foot cement block shed and downed trees and power lines in the Saugatuck area. Damage estimated at \$41,000.
Grand Rapids, 25 NW Newaygo County	24-28				0	0	0	6	0	0	Heavy Rain
											Series of heavy rainstorms flooded out 1200 acres of carrots which rotted in the flat muck soils around Grant. Over 100 acres of onions were also damaged. The estimated loss exceeds 2 million dollars. Flooding reported at Mt. Pleasant, Gladwin caused only minor damage.
<b>MINNESOTA</b>											
Pine River Dam, Sandy Lake Dam and Crookston area	5	Evening			0	0	4	4	0	0	Wind, hail and rain
											Thunderstorms with wind, hail and rain caused damage to several resorts in Cass, Crow Wing and Aitkin counties. Damage mostly to trees blown down and minor damage to several cabins. Rains flooded several basements and caused minor washouts to several roads in the area. Also some crop hail damage was reported in Polk county generally east of Crookston.
Lake County	15	Evening			0	0	5	0	0	0	Heavy rains
											Heavy rains the evening of the 15th caused some road washouts and basement flooding east of Two Harbors in the Castle Danger-Split Rock area. More than 5 inches of rain was reported in the area. Damages estimated in excess of \$65,000.
Chisholm-Hibbing area, St. Louis County	16	4:00 p to 5:00 p			0	0	5	0	0	0	Winds and heavy rains
											At about 5 pm Chisholm and Hibbing and at 4:25 pm Sturgeon Lake received strong winds which blew over many trees that damaged cars and caused minor damage to roofs. Rains of 1.33 inches at Hibbing fell in about 15 minutes caused some basement flooding. Hail as large as hens eggs were noted in the Sturgeon Lake area and several other locations. Hibbing airport recorded wind gusts of 74 m.p.h.
Duluth, St. Louis County	16	9:00 a to 6:00 p			0	0	6	0	0	0	Flash flood heavy rains, winds and lightning
											Rains of 2.16 inches fell in a 9 hour period from 9:00 am to 6:00 pm at Duluth and about 1.50 inches of rain fell the 24 hour period before. The rain caused flooding of basements of business establishments and about 160 home basements. The flooding was generally a result of backed up storm sewers. Many streets, alleys, sidewalks and lawns were damaged by the flash flooding. Some streets which reported to have some flood damage were: 1st, 3rd, 4th, 6th, 9th, 18th, 35th, 56th, and 40th Avenues East; 1st to 4th Avenues West; Commerce Railroad, Superior and Michigan Street; Maple Grove, Midway, Lindahl and Arrowhead Roads. Lightning caused nine fires with an estimated \$30,000 in damages. Power outages were common. St. Louis County reported some 200 road or culvert washouts. The floods also caused massive traffic jams during the evening rush hour.
West Central	18	Early Morning			0	0	4	0	0	0	Strong winds
											Early morning thunderstorms with strong winds blew down many trees and some out buildings generally in Dexterville County. Wind gusts estimated at 80 m.p.h. were reported 10 miles northwest of Alexandria at 0204 am. The area received generally about 1 inch of rain and near 3 inches was reported west of New York Mills.
Winona, Winona County	19	Mid to 7:00 a			0	0	4	0	0	0	Heavy rains
											Thunderstorms with off and on rain from midnite to 7:00 am caused some flooding in Winona, washed out several county roads on Trout Creek south of Winona otherwise little property damage was reported. Winona reported 4.22 inches of rain in a 7 hour period prior to 6:00 am.
Duluth	20	3:00 a to 4:30 a			0	0	7	0	0	0	Flash flood heavy rains and lightning
											Very strong electrical storm with heavy rains of 2 to 4 inches passed through Duluth area between 2:40 am to 4:30 am which caused the most severe flash flood damage ever experienced by Duluth. This flash flood followed a previous flash flood of August 16th by some 80 hours. With the area being saturated, all of the rainfall could be considered run off. Almost all streets, alleys, many sewers, sidewalks, and some underground utilities, suffered damages from minor to complete washout for about a 60 block area of Duluth along Lake Superior. The heavy damaged area was generally between 30th Avenue West to 30th Avenue East, then west northwest of this area beyond the Duluth Airport. Some of the city streets having major damage were: Twentieth Avenue West and Superior Street, Twelfth Avenue West, First Avenue West and Cascade Third Avenue East, Sixth Avenue East, Skyline Drive, several locations near Ninth Avenue East and Uggstad Road. Damage estimates presently total about \$13,000,000. Sanitary sewers 2.5M, storm sewers 3.5M, street repair 2.8M, debris removal 2.0M, homes and businesses 2.5M. About 1200 homes had some flood damages; about 15 beyond repair, about 100 with major damage and the rest generally minor damages.
Wabasha County	20	2:00 p to 4:00 p			0	0	5	4	0	0	Strong winds hail and rain
											A southeasterly moving thunderstorm cell with strong winds, hail and heavy rains caused some damage across southern part of Wabasha county. At 3:00 pm trees down 3 miles east of Zumbro Falls; at 3:00 pm 3 barns blown down near Milville; between



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 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>MINNESOTA (continued)</b>										
		3:30 pm and 5:00 pm								crop hail damage from golf ball size hail in Millville-Elgin-Plainview area; and heavy rain 4.50 inches reported from Plainview east with water 3 feet deep in Plainview.
Brown County	21	Mid to 12:30 a			0	0	4	4		Wind
Lake and Cook County	21	Afternoon			0	0	5	0		Thunderstorm with wind and hail caused scattered crop hail damage and some minor wind damage south of Sleepy Eye to several farm outbuildings, generally restricted to roofs.
Underwood, Ottertail County	30	10:00 p			0	0	3	0		Heavy rains
										Heavy showers along the North Shore between Silver Bay and Grand Marais caused washouts along U.S. Highway 61. North Shore traffic to Canada was halted for about one-half day by Sugar Loaf Landing near Cook and Lake county borders. More than 4 inches of rain was reported in about 5 hours. Damages estimated in excess of \$200,000.
										Lightning struck and killed 10 milk cows in a pasture near Underwood.
FUNNEL CLOUDS REPORTED DURING AUGUST										
County	Date	Time								Location & Remarks
Chippewa	07	06:25 pm								10E of Montivideo
Redwood	07	07:00 pm								NW of Redwood Falls
St. Louis	16	03:45 pm								10W Duluth Airport
St. Louis	16	03:46 pm								4SW Duluth Airport
St. Louis	16	06:28 pm								2NW Duluth Airport
St. Louis	16	07:00 pm								10NW Duluth Airport
St. Louis	16	07:35 pm								2NE downtown Duluth
Goodhue	18	09:30 pm								2NW Zumbrota
Stearns	21	04:45 pm								5S Upsala
Douglas	21	05:40 pm								Alexandria
<b>MISSISSIPPI</b>										
Clay County 25	9	Late afternoon			0	0	?	3		Heavy Rain
										West Point newspaper noted, "torrents of rain mixed with hail dumped 3.42 inches of water on West Point within about an hour and a half late Wednesday afternoon. Newspaper headlined, "Heavy downpour causes flooding" and noted "Storm damage was largely confined to trees and pieces of lawn furniture left out during the heavy rain. At least one home, located in Westwood, received damage when water came into the house." At 2 to 5 miles W of West Point (lat. 33.6° N, long. 88.8° W) at 5:00 p.m. there was quite a lot of limbs knocked off trees; marble size hail damaged soybean and cotton crops, the storm was moving towards ENE. Hail damage estimated less than \$5 thousand.
Pike County 113	10	2:15 p.			0	1	0	0		Lightning
										Golf cart shed at Lakeview Golf Club near Summit "apparently was struck by lightning." Boy, 12-years old, closing door of shed "was knocked to the ground but otherwise unharmed." No damage reported to shed, or over golf course.
Pike County 113	12	2:45 p.			0	0	3	C		Wind, Hail
										Ranger at Percy Quin Park, 6 SW McCobb, reported several trees blown down; one fell on a pick-up truck camper and a limb fell on a trailer; hail fell for about 10 minutes mostly softball size, some as big as a quarter. Total damage estimated under \$5 thousand. There was power failure on both sides of the lake due to trees and limbs on lines.
Hinds County 49	12	4:48 p.-5:00 p.			0	0	?	0		Heavy Rain
										Thunderstorms with heavy rains in several sections of the county produced flash flooding in low-lying areas. Marble size hail at 4:48 p.m. at Raymond; better than marble size hail in NW Jackson at 5: p.m.
Benton County 9	12	7:10 p.	3	100-200	0	0	4	0		Wind
										Thunderstorm moved from NW towards SSE. There was damage along a path about 3 miles long and mostly 100-200 yards wide. Roof tops and a few barns were damaged; some cotton trailers were turned over and 4 destroyed; debris was reported as thrown towards south. First damage (lat. 34°52' N, long. 89°12' W) noted by newspaper "on the farm of Marvin Bright. . . ." Then, "moving in a southerly direction it struck the Akin Glen, " on Highway 5 about 7:10 p.m. "Taylor's Service Station (on Highway 5) received over \$4,000 damage. . . ." The storm "then moved toward Ashland, felling several trees in the northeast section and appeared to lift up in the southeastern part of town after damaging several roofs and lifting a trailer from its foundation."
Sunflower County 133	12	About 9:45 p.			1	1	0	0		Lightning
										Boy, 16-years old, near his home on Highway 8, was walking down a tarmrow 2 1/2 E Rileville when he was struck by lightning and killed. The County Coroner said that a companion, age 17, was not seriously injured, "the lightning just knocked him down and he jumped up and ran."

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>MISSISSIPPI (continued)</b>										
Lincoln County 85	19	About 5:15 p.			0	2	2	0		Lightning
										During thunderstorm in Brookhaven, lightning hit large pecan tree, traveled along clothesline, entered house and caused a hole about a foot long in the kitchen wall, next hit the counter around the sink breaking the formica top, a piece of which hit a woman on the arm causing a cut. Another woman on back porch had her hand on a post when she felt as though her arm had been singed. Both women said their arm felt numb for several minutes. Damage estimated under \$5 hundred.
Mississippi Sound	22	1:00 p.								Waterspout
										Waterspout and thundershower reported 12 S Oulport (lat. 30.2° N, long. 89.1° W).
Coahoma County 27	22	3:00 p.-6:00 p.			0	0	0	?		Heavy Rain
										Newspaper noted "an extremely heavy rain fell in the southern portion of the county Tuesday (22nd) evening. . . . Estimates of rainfall run from 3 1/2 to 4 1/2 inches, falling between 4 p.m. and 7 p.m. (c.d.t.)." One planter said "the rain and wind blew the cotton down." County Agent reported damages in the Dublin-Mattson area should be slight.
Lafayette County 71	24	Afternoon			0	0	?	0		Heavy Rain
										Heavy rain caused flash flooding in low areas of Oxford. Newspaper noted "Parts of town that seem to suffer the most from the rainfall include those low areas especially near Burney Branch, around Sisk Ave., Branlett Blvd. and 18th; the Clubview Rd. Area, from drainage from nearby subdivisions." Also, "the high waters in the area almost took a bridge near Country Club Terrace Apartment, away . . ."
Copiah County 29	24	3:30 p.			0	0	?	0		Wind
										At Crystal Springs (lat. 32.0° N, long. 90.4° W) three pine trees were blown down and some tin lifted off a barn.
Forrest County 35	26	2:00 p.			0	0	4	0		Wind
										During a severe thunderstorm there was local wind damage at Hamilton's Number One truck stop on U.S. 49 at the intersection of U.S. 98. The cooks at a restaurant heard a loud noise and looked out the rear window towards a motel and saw "a big black smoke come down on top of the cabins and go back up in the air taking the roof with it." Civil Defense noted "the heavy debris fell just behind building and insulation and light material was strewn in the compound to the east-northeast of area hit." The roofs were lifted off ten units of the motel and damages estimated \$24,041.
Jackson County 59	26	About 5:00 p.			1	2	0	0		Lightning
										Lightning struck large cypress tree about 50 feet from Bluff Creek bank in Vancleave and pieces of the tree were scattered as far as the bank of the creek. Sailor, age 22, leaning against tree was killed. Two other sailors standing nearby were injured; one, age 29, was paralyzed for 4 while and given emergency room hospital treatment, then transferred to a Navy sickbay.
<b>MISSOURI</b>										
Southern section of Platte and Clay Counties	2	10:00 p						6		Thunderstorm Winds
										A line of severe thunderstorms with winds estimated near 80 miles per hour caused extensive tree and utility line damage primarily in an area between Weatherly Lake and Gladstone near North Kansas City. One large furniture store was severely damaged. Minor flooding was reported on many small streams which caused considerable road damage. These thunderstorms rapidly diminished in intensity east of Lexington but only minor damage was reported east of Kansas City.
Northeastern Missouri	3	1:00 a - 3:00 a					1	5	3	Thunderstorms
										Thunderstorms moving through northeast Missouri caused widespread damage to trees and utility lines. A grain elevator west of Salisbury was damaged; and one child in Salisbury was cut by flying glass when a tree limb broke a window in his bedroom. Lightning started a fire that destroyed a home in Monroe City. One mobile home and three houses were damaged in Huntville north of Moberly, mostly by broken tree limbs.
Hume, SW Bates County	5	5:20 p								Funnel Cloud
										Two separate public sources reported sighting this funnel cloud near Hume.
Bootheel area, SE Missouri	6	Afternoon					4	4		Thunderstorm Winds
										Reports of minor damage were received from many locations in the Bootheel. The heaviest damage was to three mobile homes located in three different areas of the Bootheel. Two were overturned and destroyed; the third, which was anchored to the ground, was twisted and damaged. Heavy rains that accompanied the winds were believed to have caused major crop damage to many fields.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1972

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					KILLED	INURED	PROPERTY	CROPS			
<b>MISSOURI (continued)</b>											
Cape Girardeau Area, Cape Girardeau County	12	1:00 p - 3:00 p					5	4	Thunderstorm Winds, Hail		
			Golf Ball size hail north of Cape Girardeau and south of Jackson caused damage to apple and peach orchards. High winds with peak gusts to 80 knots destroyed or severely damaged five aircraft at the Cape Girardeau Municipal Airport.								
Poplar Bluff, 10S, Butler County	15	12:00 noon					4		Thunderstorm Winds		
			Winds estimated near 80 miles per hour caused considerable damage to a sale barn and destroyed a mobile home near the intersection of U.S. 160 and U.S. 67, 10 miles south of Poplar Bluff. Other houses in this area received minor damage.								
Marquand, Madison County	20	6:00 p					4		Lightning		
			Lightning started a fire that destroyed two business firms and damaged a third in this small town located 31 miles west-northwest of Cape Girardeau.								
De Soto, Jefferson County	20	8:45 p					4		Lightning		
			Lightning started a fire which destroyed a new two-story brick home on County Road JJ just east of U.S. 69 southeast of De Soto.								
Greater St. Louis	21	3:30 p - 4:30 p			1		4		Thunderstorm Winds, Hail, Lightning		
			Thunderstorms moved through the Greater St. Louis area causing widespread damage to utilities, small buildings and trees. Lightning damaged some structures and a television tower. A 13-year-old boy was killed by a bolt of lightning while riding his bicycle in Jennings. Three-quarter-inch hail was reported in St. Louis.								
Hayti, 7 S, Pemiscot County	22	3:30 p			4		3		Wind and Rain		
			Heavy rain and high winds were blamed as the primary cause of a traffic accident that took 4 lives. An empty trailer of a northbound tractor-trailer rig was blown into the path of a southbound automobile on U.S. 61 seven miles south of Hayti. The car hit the trailer and the trailer overturned on top of the car, killing the 4 persons in the car.								
<b>MONTANA</b>											
Hilger, Fergus County	13	3:00 P	15	1 1/2*	0	0	2	5	Hail and rain		
			Hail up to 1 inch in diameter with heavy rain. Up to 4 inches of hail covered the ground and did extensive damage to crops and wildlife. Storm moved east northeast.								
Pondera and Teton Counties	16	5:00 P	5	3*			2	5	Hail		
			Hail up to 1 inch in diameter along the Teton River north of Dutton caused damage to crops. Hail covered the ground to depth of 3 inches. Early damage estimates of \$200,000.								
Fergus County	17	4:49 P							Funnel aloft		
			Funnel aloft 25 miles northwest Lewistown dissipated after 5 minutes.								
Fergus County	17	4:00 P	?	?			3	4	Hail and rain		
			Hail storm with heavy rain caused damage to Deerfield Hutterite Colony. Rain produced minor flooding in the area. Damage estimated at \$30,000.								
Liberty County	17	10:00 P	15	1 1/2*			2	4	Hail		
			Hail storm caused extensive damage to crops. Hail accompanied by excessive thunder and lightning.								
<b>NEBRASKA</b>											
Southeastern Knox County	1	3:20p	Short	Narrow	0	0	0	0	Tornado		
			Two funnels observed, one of which touched ground. Tornado touched down briefly in open country about ten miles north of Osmond. Both funnels were observed until 5p. Parent storm moved from northwest to southeast.								
4 Miles Northwest of St. Paul, Howard Co.	1	6:15p							Funnel Cloud		
			Observed as a hook echo on radar and also by the public. Funnel did not touch ground.								
Hitchcock County	2	3:20p-4:00p	30	?	0	0	5	6	Hail, Wind & Rain		
			A severe thunderstorm deposited large hail in a path extending from the northwest to the southeast corner of Hitchcock Co. Hailstone diameters averaged 1 1/2" with the largest stones having diameters of 3". Property damage ran high in Trenton where baseball-size hailstones, driven by high winds, broke out windows on the north side of many buildings about 3:40p. Five miles southeast of Trenton, unofficial 3.60" of rain accumulated in a short period along with hail that fell in clusters composed of several stones. Locally heavy rains caused flash flooding on small streams in the storm's path. The average duration of the storm at points along the storm's path was 20 to 30 minutes.								
<b>NEBRASKA (continued)</b>											
Dawson and Southern Custer Counties	5	5:30p-6:30p					0	0	5	5	Heavy Thunderstorms
			Damage to crops and property done primarily by hail, although wind damage to large trees was reported 10 to 15 miles from Lexington in all directions. In Custer County, most of the large hail fell along a path of variable width extending from 11 miles north of Callaway to Broken Bow with most of the damage occurring in the eastern part of this zone. Hailstone diameters in this zone averaged between 1 1/2 and 3", although one jagged stone with a diameter of 4" was collected. Two inches of rain and gusty winds accompanied this hailstorm. Large hail of unknown size and 2.25" of rain fell in the space of one-half hour on a farm located 8 miles southwest of Eddyville. Three-quarter inch hail was reported in Callaway about 6:00p.								
Phelps County	5	5:45p-6:15p	7	4 1/2	0	0	?	?	5		Hailstorm
			Hail damage reported along a line extending from 1 1/2 miles west to 3 miles north of Holdrege. Hailstones averaged 3/4 inches in diameter with the largest stones having diameters of 1 inch.								
Southeast Dawson Co.	5	8:15p-8:30p									Funnel Cloud
			Funnel aloft observed several miles northeast of Overton by Deputy Sheriff. Observed several minutes later near Elm Creek.								
Harlan County	5	9p-10p	6	*2 1/2	0	0	?	?	5		Hailstorm
			Thunderstorm, moving from the northwest towards the southeast, deposited hail of unknown size in an area centered 9 miles northwest of Alma.								
Northeast Nebraska	7	9:00p - 11:30p					0	0	5	5	Heavy Thunderstorms
			A line of thunderstorms moved southeastward across northeast Nebraska, causing widely scattered damage. Most of the damage attributed to strong winds although hail damage to crops was high a few miles either side of Madison. Examples of damage resulting from these storms follow:								
			1 to 2 miles west of Madison, Madison Co. -- Winds gusting to 70 MPH and marble size hail caused considerable damage to crops in the space of 15 minutes.								
			North of Jackson, Dakota County -- High winds struck two farms about 9p, demolishing a 55 ft. long quonset hut on one farm while snapping off a large evergreen tree on the other. The high winds lasted approximately 15 minutes.								
			Five to six miles north of Blair, Washington Co. -- High winds, hail, and hard rains struck the area about 11p. Large trees in the area uprooted and snapped off by the winds. Two steel corncribs along with combination corncrib and granary destroyed on a farm located 6 miles north of Blair.								
Near Lowell, Kearney County	20	4p	?	?	0	0	0	0	0	0	High Winds
			Winds of undetermined speed caused damage to trees, crops, and outbuildings on two adjacent farmsteads.								
Wymore, Gage County	21	Pre-dawn Hours					0	0	5	0	Lightning
			Lightning bolt triggered fire in new car dealership. Sixty-five cars and trucks in addition to building destroyed in fire.								
<b>SPECIAL HAIL SUMMARY</b>											
			Nebraska Hail Loss Clearing Bureau reports indicate hail was especially severe in the following counties on the dates indicated:								
			2 Hitchcock County								
			5 Harlan, Phelps, Custer Counties								
			7 Madison County								
			8 Phelps County								
			10 Knox County								
<b>NEVADA</b>											
Las Vegas Valley	13	p.m.					0	0	?	0	Flash flood
			Heavy thunderstorms brought flooding in many sections of Las Vegas Valley, contributing to a number of traffic accidents, including one death. Hardest hit was the east portion of Sunrise mountain. Parts of roadways in east section of Las Vegas were undercut by water. Route 41 was washed out between Henderson and Lake Mead.								
Reno, Carson	17	p.m.					0	0	4	0	Thunderstorm
			Rain, thunder and lightning caused minor flooding, power failure and lightning-caused fires in the area. Streets in Reno were temporarily closed, including the underpass near Highway 40. Wet cables cut off telephone services in isolated areas.								
Las Vegas	27	p.m.			1	2	0	0			Lightning
			A man was struck and killed by lightning. Two other men standing near were knocked into the air about 40 feet from the impact.								
<b>NEW HAMPSHIRE</b>											
State	9	p.m.					0	0	4	4	Wind, hail, lightning
			Locally severe thundersqualls. Considerable wind and hail damage. Much corn damaged at Piermont.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
<b>NEW HAMPSHIRE (continued)</b>									
Madison-Silver Lake	9	5:30 p.	3	75	0	0	3	3	Tornado
					Intermittent path in general easterly direction. Damage mostly to timber, but a garage was picked up and blown away, with at least one home affected. Utility wires cut by falling trees.				
Lake Winnepesaukee vicinity	25	3-5 p.			0	0	5	0	Wind, lightning
					Severe thundersqualls dropped heavy rain, with wind damaging homes and felling trees. Many cars hit by trees and limbs. Many lightning strikes set fires.				
Melvin Village	25	3 p.			0	0	0	0	Waterspout (tornado)
					Funnel seen as waterspout over lake, with lightning frequently playing down the funnel.				
Central and southern	27	p.m.			0	0	4	0	Wind, lightning, rain
					Locally severe thundersqualls. Wind felled trees and lightning caused scattered damage. Rainfall amounts up to 2 to 3 inches caused local washing and flooding.				
<b>NEW JERSEY</b>									
Bound Brook, Somerset County	24	Evening			0	0	3	0	Electrical.
					Electrical storm damaged a home and felled a high-voltage power line early in the evening. Fire damage from the lightning strike resulted in a general alarm.				
Carlstadt and Moonachie, Bergen County	26	5 pm			0	0	6	0	High winds, rain.
					Very high winds occurred in Carlstadt and Moonachie in the late afternoon. Roofs and walls of several factories were blown away. A trailer was toppled on its side at a construction project. A residential trailer was overturned. Several power lines were downed, and numerous display advertising signs and highway marker signs were blown down. Water damage occurred to a great deal of merchandise when rain fell on the unroofed buildings.				
<b>NEW MEXICO</b>									
Corona	1	7:18 p.							Funnel cloud
					Funnel cloud sighted aloft near Corona, 67 miles southeast of Albuquerque, moving toward east-southeast.				
Navajo Dam	19	Afternoon			0	0	4	0	Wind
					Winds estimated at 90 to 100 m.p.h., for about two minutes, rained marine slip into marina store.				
Clayton	23	9:30 p.-9:42 p.			0	1	0	0	Hail
					Hail to 2-1/4 inches in diameter heavily damaged building roofs and automobiles. A carnival was damaged, but little damage to crops in the vicinity. Total damage estimated at \$1.5 million. One person received scalp gash from hail.				
<b>NEW YORK</b>									
Buffalo (16 mi. northwest)	1	2 p.m.							Funnel cloud
Broome County	2	4 to 5 p.m.					5		Wind
					Wind gusts estimated in excess of 60 mph. caused considerable property damage in the Towns of Chenango and Fenton, north of Binghamton. Large truck terminal had half of metal roof torn off; roof debris damaged four trucks. One mobile home was demolished, shed collapsed, trees uprooted and several trailers damaged at trailer park. Elsewhere many trees broken or uprooted with damage to cars and buildings. Winds accompanied locally severe thundersqualls which yielded 1.0 to 1.5 inches of rain in central southern tier counties.				
Peekskill, Westchester County	3	5:15 p.m.							Funnel cloud
Cattaraugus County	7	Morning					4		Wind
					During morning thunderstorm activity damaging winds struck areas in southeastern Cattaraugus County. Most property damage occurred in or near community of Allegany. Three trailer homes damaged, either by falling trees or having structure moved off foundation. One large barn and several small sheds destroyed and numerous large trees shattered or toppled by wind. Power lines were downed in several towns from Limestone and Salamanca to the Cuba area of western Allegany County.				
Addison, Steuben County	7	10 a.m.	?	?	1	2	4		Tornado
					Twister struck 14-ton mobile home in rural area about 5 miles north of Addison. Home was demolished with some debris blown 100 yards. Elderly woman in home succumbed later to injuries and complications and two other persons suffered minor injury. Camp trailer nearby was blown several hundred feet and smashed as twister ripped wall of barn and took tops out of several trees. Funnel cloud observed as it approached area of destroyed mobile home.				
Hermon, St. Lawrence County	7	1 p.m.	2	30	0	0	4	4	Tornado
<b>NEW YORK (continued)</b>									
Wayne, Oswego and Delaware Counties	7	early p.m.			0	2	5	4	Wind, electrical
					Wide ranging early afternoon thunderstorms brought severe, localized wind damage in scattered areas from Lake Ontario to the southeastern highlands. Two camper trailers overturned, barn unroofed and large trees blown over in the Ontario-Walworth section of Wayne County. Mobile home blown over and demolished at Mexico, Oswego County, where two men, working inside house were knocked unconscious by lightning strikes. Winds of possible tornadic action struck area four miles north of Delhi, Delaware County. Wooden silo and barn destroyed and hay wagon carried considerable distance by wind and dropped into field; corn fields flattened and trees broken along wind path with little or no damage either side. Lightning fire destroyed barn in village of Bovina, east of Delhi.				
Sullivan County	7	evening					4		Wind
					As thunderstorm activity on 7th spread to southeastern upstate late in the day, severe, local winds struck in the Bethel area of Sullivan County. Winds overturned trailer section of tractor-trailer and smaller delivery truck, demolished silo and uprooted or toppled numerous trees in vicinity of this community.				
Horseheads, Chemung County	14	early p.m.			0	2	4		Lightning
					Lightning injured two boys on golf course, one requiring hospital treatment. Fire caused by lightning destroyed horse barn with loss of hay, lawn tractor and farm tools.				
Tioga County and Cayuga County	23	p.m.					4		Lightning
					Lightning fires destroyed home and barn filled with hay on separate properties in Town of Tioga, Tioga County. Two milk cows killed in pasture when lightning hit nearby wire fence at Meridian, Cayuga County.				
Chautauque and Erie Counties	24	late afternoon					5		Lightning, wind
					Damaging thunderstorms affected local areas along Lake Erie from Fredonia to metropolitan Buffalo. Fire caused by lightning destroyed a basket factory in Fredonia, Chautauque County. High winds downed trees, limbs and power lines in the Silver Creek area. Large display window in supermarket shattered and second floor of home badly damaged by falling tree in Buffalo. Power failures affected more than 5,000 customers in suburban towns of Depew and Amherst. Winds at Buffalo International Airport were measured at 40 mph. with higher gusts.				
State, except extreme north and coastal	27	Most of day					5		Wind, lightning, rain
					Severe thunderstorms ranged over much of State with local damage from high winds and lightning strikes in several areas from Greater Buffalo to parts of Mohawk and Hudson Valleys. Lightning fires destroyed the following structures: barn with contents of hay and grain near Ithaca, Tompkins County, ski center lodge near Warrensburg, Warren County and a summer home at Minros, Orange County. Partly destroyed by fire were a horse barn and contents at Bath, Steuben County and a horse at Tonawanda, Niagara County. Tall steeples sustained structural damage on churches at Tonawanda and at Lawville, Lewis County. Winds with gusts estimated at 75 mph. destroyed firehouse and a small shed and toppled many large trees at Woodgate, Oneida County. This event had some characteristics of possible tornado. High winds also downed trees and power lines in many sections of Hudson Valley from Saratoga to Westchester and Orange Counties. Heavy downpours of rain occurred early afternoon in local areas of Oswego County with unofficial measurements of 3.0 to 5.0 inches.				
<b>NORTH CAROLINA</b>									
New Hanover County	1	6:30 a.	**5		3		0	0	Small Funnel
					Funnel seen; touched ground briefly, affecting an area about 10 x 15 feet. Uprooted a tree, upset yard furniture. Damage negligible.				
Alamance, Chatham, Guilford, Polk, New Hanover, Rockingham & Surry Counties	1	Aftn & evening					5	5	Electrical, hail, wind
					Lightning struck and burned two buildings, caused power outages. Wind blew down several trees and a commercial poultry house. Hail damaged tobacco and corn over two areas covering 6 sq. mi.				
Columbus County	2	8:05 p.					0	0	Funnel aloft

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>NORTH CAROLINA (continued)</b>											
Duplin County	2	Early evening						4	0		Electrical
Reported by public, seen between Whiteville and Tabor City. No surface effects found.											
Alamance, Beaufort, Catawba, Washington Counties	4	7 - 8 p.						4	0		Electrical, rain
Tobacco barn filled with cured tobacco burned by lightning.											
Brunswick, Duplin, Jackson, Nash and New Hanover Counties	5	Early morning			0	1	4	3			Electrical, hail, wind
Lightning burned a home in Alamance and a barn in out several areas. Rain 1 to 4 inches in an hour flooding at least two areas.											
Alexander, Buncombe, Catawba, Clay, Davidson, Forsyth, Gaston, Guilford, Harnett, Henderson, Iredell, Martin, Rowan, Wake, Watauga and Wayne Counties	7	Aftn & evening						5	4		Electrical, hail, rain, wind
Thunderstorms caused a variety of damage over a wide area. A home, four barns, two warehouses and a furniture store burned or partially burned by lightning. Numerous power outages. Wind blew down trees, which fell on autos and communications lines; also blew down wall of a large brick building under construction, and overturned a mobile home. Hail damaged tobacco and fruit crops. Rain flooded store buildings, damaging merchandise.											
Brunswick, Catawba, Cumberland, Hoke, Lee, Lenoir & Wake Counties	8	1 - 3 a.			5	0	5	0			Electrical, wind
Five persons killed in home burned in Raleigh; attributed to lightning. Mill building in Raeford, clinic in Claremont also burned. Wind blew down trees several areas, broke power and telephone lines; overturned a mobile home; damaged four cottages at Holden Beach.											
Cherokee, Cumberland, Harnett, Mecklenburg, Sampson, Union and Wayne Counties	9	8 - 10 p.			0	1	5	4			Hail, wind, electrical
Youth hit by lightning in Cherokee County; revived by first aid. Lightning also caused power outages several areas, set fire to two homes and a business building. Wind damaged three mobile homes, several frame buildings, and a variety of camping equipment. Hail damaged tobacco crop, mostly in Sampson and Cumberland Counties. Traffic accident in Charlotte, partially attributed to weather, killed one man and injured two.											
Cleveland County	10	1:00 a.			2	0	4	0			Electrical
Home burned in Shelby, attributed to lightning; man and woman killed. Power outages several areas in and near Shelby.											
Mecklenburg, Orange, & Randolph Counties	13	Aftn			0	2	4	0			Electrical
Two young men injured slightly when struck by lightning on golf course at Charlotte. Lightning-set fires damaged homes in Orange and Randolph Counties, disrupted power several areas.											
Richmond County	16	9 p. to midn't						4	0		Electrical
Home in Rockingham and business building in Hamlet damaged by late evening lightning-set fires.											
Franklin, Nash, Vance & Wilson Counties	17	Evening						4	0		Electrical, wind, rain
Severe thunderstorms brought rains up to three inches in a few hours. Lightning started several fires; damaged a home and destroyed two barns. Wind blew off a barn roof; rain washed out a construction site, damaging building.											
Lenoir and Wake Counties	18	Pre-dawn						5	0		Electrical
Office building, several tobacco barns, burned by lightning.											
Granville, Richmond, Wake & Wayne Counties	19	Aftn & evening						5	0		Electrical
Home and two tobacco barns destroyed by lightning-set fires in different areas; church, mill, and another barn damaged.											
Carteret County	25	11:00 a.						4	0		Electrical
Lightning burned a home near Newport											
Haywood County	25	Afternoon						0	4		Hail
Tobacco, corn and gardens heavily damaged on two farms.											
Surry County	27	7 - 10 p.						4	0		Electrical
Home and barn burned by lightning separate places near Elkin.											
Cumberland & Wayne Counties	28	Afternoon						4	0		Electrical
Lightning set two fires near Mount Olive; struck and damaged Fayetteville control tower.											
<b>NORTH DAKOTA</b>											
Mercer County	1	Afternoon			0	0	4	4			Hail, wind, rain, lightning
Moderate to severe damage to crops was caused by hail, high winds and rain in the area north of Dodge, Golden Valley, Zap and											
<b>NORTH DAKOTA (continued)</b>											
Northwest	5	Afternoon			0	0	2	4			Hail, wind, rain
Beulah. Heavy hail losses were reported north of Beulah over an area about one mile wide and six miles long. Lightning struck a house which burned in Beulah.											
Hebron area, Morton County	5	2:30 p.			0	0	3	4			Hail, wind, rain
Thunderstorms with hail, high winds and heavy rains moved from northwest to southeast across the area. Hail cut a swath 80 miles long and up to 10 miles wide extending from Powers Lake to northeast of Parshall. The path of hail damage was erratic with some fields a complete loss and others nearly with little or no damage. Hailstones varied from small spheres to large ice chunks up to several inches in size. Some local basements were flooded. Most of the damage was due to hail.											
Mercer and McLean Counties	5	Afternoon			0	0	0	4			Hail, wind, rain
Thunderstorms with hail, strong winds, and heavy rains moved eastward across the area. Hail marble size to larger than golf balls, some in big square chunks, and some formed like a cup damaged crops on many farms. Fields and roads were covered with ice and 48 hours later piles of hail still remained. Crops were completely destroyed in two paths one to two miles wide and several miles long. Hail also broke windows and damaged roofs. Strong winds and heavy rains caused minor damage.											
Jamestown area, Stutsman County	5	3:20 p.			0	0	0	0			Funnel cloud
Major damage was logging to crops by high winds during thunderstorms. Hail damage in scattered areas was moderate to severe. The northern part of Mercer County and the area from west of Washburn to Wilton in McLean County were hardest hit.											
McClusky area, Sheridan County	5	4:00 p.			1	0	0	0			Lightning
Pilot reported a funnel cloud not touching the ground.											
Fort Yates area, Sioux County	5	Afternoon			0	0	3	4			Hail, wind
A 14 year old boy was killed instantly when struck by lightning during a thunderstorm when working in a field three and one-half miles southwest of McClusky.											
Nortonville area, LaMoure County	5	Evening			0	0	3	4			Hail, rain, lightning
Heavy hail and high winds caused moderate to severe damage to crops north and south and west of Fort Yates. A mobile home was demolished 3 miles northwest of the city and wind damaged trees.											
Williams County	9	11:30 p.			0	0	0	0			Hail
An approximate three mile by five mile strip northwest of Nortonville had severe hail damage and unofficial reports of 4, 5 and 6 inches of rain. Hail damage to crops was up to 100 per cent on several farms, and broke windows in one farm home. Heavy rains flooded fields and damaged hay. Lightning killed a cow and did minor damage to a home.											
Brocket area, Ramsey County	14	4:30 a.			0	0	2	4			Hail
Hail one inch in diameter was reported by the public 35 miles east of Williston.											
Jamestown area, Stutsman County	15	8:00 p.			0	0	4	3			Wind, hail, rain
Crop losses up to 75 per cent and some building damage was reported.											
Edmunds area, Stutsman County	16	Afternoon			0	0	0	3			Hail
Home in Rockingham and business building in Hamlet damaged by late evening lightning-set fires.											
Medora, Billings County	17	2:00 p.			0	0	0	0			Funnel cloud
Strong winds destroyed two trailers and damaged another in Jamestown. Hail and heavy rain did considerable damage to crops near Spiritwood Lake.											
Beach area, Golden Valley County	17	Afternoon			0	0	4	3			Wind, rain, lightning
Hail cut a swath that destroyed three wheat fields north and east of Edmunds.											
Reeder area, Adams County	17	Afternoon	4	*1	0	0	0	3			Hail
A thunderstorm with strong winds and lashing rains damaged trees, roofs, electric lines, and grain fields. Lightning set fire to a large haystack.											

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 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>NORTH DAKOTA (continued)</b>											
Ward County	19	Evening					0	0	3	C	Rain, hail
											Heavy rain damaged roads and crops about 6 miles west of Coulee. Some local hail caused some crop damage.
Rhame area, Bowman County	19	9:30 p.					0	0	0	0	Funnel cloud
											Funnel cloud and also heavy rain and strong winds reported.
Maida area, Cavalier County	20	3:45 p.	6	20	0	0	0	0	2	2	Tornado
											The funnel was observed at ground level blowing very black dirt as it passed 1 1/2 miles south of Maida moving from northwest to southeast.
<b>OHIO</b>											
Northern Ohio	2	After-noon					0	?	4	4	Hail, wind, lightning
											Thunderstorms occurred over Ohio on the 2nd. In eastern Hancock County hail destroyed corn, tomato, pickle, and soybean crops. In addition wind driven hail damaged many homes. In Kenton lightning caused power outages and did \$14,000 in damages to a home. Hail the size of golf balls came down in Arcadia (Hancock County). Some crops were totally destroyed by the hail.
Vermilion, Lorain County	7	3:13a	2	100	0	0	0	0	5	?	Tornado
											The tornado damages started around Volunteer Bay. A Mr. Crowell saw the funnel cloud and heard the roaring sound. Trees and power lines were down near his home. The second touch down occurred around Huron Street in Vermilion. Trees were down for about two blocks. The third contact point was in Victory Park in the middle of Vermilion. Stores close to the park sustained damages in the form of broken windows, a blown over brick wall, and downed trees. The South Shore Shopping Center was the fourth touch down point. The four walls of a new building under construction were blown over, and a trailer was carried about 100 ft. For the next several blocks to the east damage was done to several apartment buildings. The funnel moved over one apartment building at a height of 50 ft. and lifted the roof off just high enough to cause the huge pillars in the front to drop off. It touched down further to the east destroying 600 trees. People in this area heard the roaring sound. At one point in the path there was evidence to suggest that there may have been two funnel clouds. Total damages were estimated to be close to \$400,000. The lightning, winds, and rain from the thunderstorms which spawned this and the following tornado caused widespread damage in northeastern Ohio.
Footville, Ashtabula County	7	5:02a	1 1/2	200	0	0	0	0	4	?	Tornado and rain
											A home belonging to a Mr. Kubla was struck by a "tree top level" tornado. Many of the windows blew out first followed by a loud roaring sound. The roof was lifted off the house and a nearby barn was blown down. His truck was carried through the air for 10 feet and landed against a building. Several trees were twisted and torn off, some at high levels. There was a definite path of trees twisted off at high levels to the northeast of his farm. One-quarter mile to the northeast of Mr. Kubla's house, a very large trailer was severely damaged. At the Kapudjija home, one and a half miles to the northeast of Mr. Kubla, damage was reported and a loud roaring sound was heard. A quarter mile further to the northeast a funnel cloud aloft was sighted. A roaring sound was also present.
Toledo, Lucas County	8	7:15p									Funnel aloft
											Reported by pilot 40 west of TOL.
Findlay, Hancock County	14	6:50p									Funnel aloft
											Funnel cloud sighted 12 miles west of FDY by Highway Patrol.
Northwest and North Central Ohio	14	Evening					0	?	4	?	Wind, hail, lightning
											The movement of a cold front into northwestern Ohio set off severe thunderstorms. Lightning was responsible for numerous power outages and small fires. Winds up to 45 m.p.h. were reported in Toledo. In addition hail (size unknown) was reported in Toledo and Wood County. Heavy rains caused some minor flooding.
Sandusky County	17	10:15a	**83	33	0	0	0	0	3	?	Tornado
											This tornado touched down near the intersection of State Route 590 and County Rbad 59 on the farm of Mr. Rearick. Minor damage was done to the farm buildings and equip-
<b>OHIO (continued)</b>											
Richland County	17	11:12a	.1	25-33	0	0	0	0	4	?	Tornado
											ment. The touch down occurred in an area about 83 yards long and only about 33 yards wide. A neighbor located one mile to the east saw a funnel cloud come down and touch in Mr. Rearick's pasture. The neighbor heard the roaring sound for about 45 seconds. Several funnel clouds were reported in the area.
Ashland County	17	11:30a	2	33-67	0	0	0	0	4	?	Tornado
											This tornado touched down in Richland County at the intersection of State Routes 13 and 96. The movement was from west northwest to east southeast. The sides of the storm path were well defined and there was good evidence of pressure reduction. Damage was done to a barn and a portion of the house. Damage was estimated at \$12,000.
Delphi, Huron County	17	12:11p	2 1/2 - 3	133-233	0	0	0	0	5	?	Tornado
											The same storm which produced the tornado in Richland County at 11:12a gave birth to another tornado which touched down at the intersection of State Routes 430 and 603 about 13 miles southeast of MFD. The path indicated movement from northwest to southeast. The sides of the path were well defined; a roaring noise heard by witnesses; the pattern of the debris indicated rotary motion.
Mansfield, Richland County	17	6:00p									Funnel aloft
											Reported by public to have been 6 miles north of Mansfield (5 miles north of MFD).
Greenwich-Willard, Huron County	17	6:00p									Funnel aloft
											Reported by public to have been between Greenwich and Willard (15 miles northwest MFD).
Shelby, Richland County	17	6:20p									Funnel aloft
											Reported by police to have been over Shelby (11 miles west northwest MFD).
Marion, Marion County	17	7:25p									Funnel aloft
											Reported by public to have been 2 1/2 miles south of Marion (36 miles north northwest CMH).
Worthington, Franklin County	17	8:00p									Funnel aloft
											Reported by public to have been over Worthington (8 miles northwest of CMH).
Sunbury, Delaware County	17	8:00p									Funnel aloft
											Reported by public to have been over Sunbury (12 miles north of CMH).
Gallia County	17	8:40-9:00p					0	3	5	?	Wind, lightning
											In the Gallipolis public square four or five huge trees were damaged. The most serious damage was done to the new Holzer Medical Center and the Gallia County Junior Fairgrounds. A roof was ripped completely off a building on the fair grounds. Trees were leveled and one camper's unit was destroyed. At least one person was struck by lightning. Residents stated that this thunderstorm was the most severe storm since the April 23, 1968 tornado.
Wood County	18	10:40a									Funnel aloft
											Reported by a member of the spotter network to have been 28 miles south southwest of TOL.
Willard, Huron County	18	10:50a									Funnel aloft
											Reported by public to have been 5 miles north of Willard (19 miles northwest of MFD).
Edon, Williams County	18	4:50p									Funnel aloft
											Reported by public to have been near Edon (40 miles

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1972

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>OHIO (continued)</b>									
Alvada, Seneca County	18	5:10p							Funnel aloft
			Reported by public to have been just west of Alvada (14 miles east of FDY).						
Lexington-Belleville, Richland County	18	6:30p							Funnel aloft
			Reported by police and public to have been between Lexington and Belleville (8 miles south southwest of MFD).						
Entire State	18	Afternoon-evening			0	?	4	?	Wind, hail, lightning
			Thunderstorms occurred in most parts of the state. At Findlay Airport winds up to 50 m.p.h. were reported. Hail one-quarter inch in diameter was reported in Hancock County. In Putnam County lightning set fires caused damages estimated at \$5000 to \$10000. Power outages occurred in many parts of the state. Locally heavy rains caused minor flooding problems.						
Cadmus-Gage, Gallia County	19	2:45p			0	0	4	?	Wind
			Strong winds were responsible for damage to buildings, homes, and barns. In addition several trailers were overturned.						
Westerville, Franklin County	22	Afternoon			0	1	3	?	Lightning
			A Westerville boy was struck by lightning during a thunderstorm. He remains in the hospital in poor condition. The lightning caused power outages and started several small fires in Westerville and Columbus.						
Delaware, Delaware County	24	Afternoon			0	0	4	0	Winds
			Strong thunderstorm winds hit the city of Delaware. Many large trees were uprooted, power lines were downed, and homes and cars were struck by the falling trees.						
Entire State	26	All Day			0	?	4	?	Wind, lightning
			Severe thunderstorms struck Ohio again. In Cleveland winds up to 58 m.p.h. were recorded. Numerous power outages occurred. Near Zanesville lightning set fire to a barn. Estimated damages were set at \$27,000. In addition a fire at an oil storage tank caused \$2,600 in damages.						
<b>OKLAHOMA</b>									
Near Muskogee, Muskogee County	4	3:30 p.			1	1	0	0	Lightning
			One man was killed and another injured by a bolt of lightning while they were fishing in the Arkansas River.						
Near Walters, Cotton County	8	8:45 p.			0	0	4	0	Lightning
			Lightning struck a barn with the resulting fire destroying the barn and its contents.						
Near Avard, Woods County	21	About 3:00 p.			0	0	4	0	Wind
			Strong winds damaged three farms in the area. One home was damaged and barns were unroofed.						
Near Ponca City, Kay County	21	5:30 p. Short Narrow			0	1	0	0	Waterspout-tornado
			A waterspout formed on Lake Ponca. A man standing in hip-deep water was injured when he was picked up and thrown onto the bank. A boat was also submerged by the wind but sustained no damage. Wind gusts up to 60 m.p.h. were reported by the Ponca City FAA Flight Service Station.						
Texas County	24	3:00a.-12:00 Noon			0	0	0	0	Heavy rain
			Heavy rains of 4 to 5 inches fell in the area with two highways closed by high water for awhile.						
Sentinel, Washita County	24	Late Night			0	0	4	0	Lightning
			Lightning struck an old gin building filled with 20,000 bales of hay. The building and contents were totally destroyed by the fire.						
<b>OREGON</b>									
Southern Oregon	1-15	All days			0	0	0	?	Dry Spell
			The dry summer experienced by the southern one-third of Oregon began about July 10th in some areas and continued into August 15th before rain returned. Dry conditions still continued at the close						

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM																														
					KILLED	INJURED	PROPERTY	CROPS																															
<b>OREGON (continued)</b>																																							
			of August in extreme southeastern Oregon where Sheaville experienced its 75th dry day, P-Ranch Refuge its 78th dry day, and Rome 2 NW its 83rd such day. A 75-day dry spell also occurred in northern Douglas County while most other locations experienced a 50-67 day drought. Even the south coast was dry for 31-38 days. The 67-day drought at Klamath Falls occurs in 1 year out of 6 while P-Ranch Refuge had its third driest summer since 1897 for a 1 year in 28 frequency.																																				
Most of State	3-8	All days			0	0	0	0	Hot Spell																														
			Hot dry weather persisted across Oregon during the first week of August except for seasonal temperatures along the coast. Most inland stations warmed to 100° or above on 3-3 days while the warmer locations had 4-7 such days. Ontario, Medford, and Spray had 10-11 such days with 7-8 of the days as consecutive. Hottest day of 106° at Eugene WSO on the 7th set a new all time station record while 109° at Medford WSO on the 7th equalled record for all time at present site as well as for the month of August. Pendleton WSO with 111° on the 8th was warmest since August 4, 1961, when its all time record high of 113° was reached. Hottest station in the State during August was Spray which hit 112° on the 8th.																																				
Crater Lake, Klamath County	8	6:30 p.			0	0	4	0	Electrical																														
			Fire destroyed a \$50,000 boathouse and marina and burned through an acre of trees on Wizard Island in Crater Lake. It is believed that smoldering trees touched off the blaze as an electrical storm the previous evening caused a 5-hour power outage at the park.																																				
Southeastern Oregon	9-10	Evenings	200	*100	0	0	?	?	Electrical and Wind																														
			Evening thunderstorms caused 63 lightning set fires in the Fremont National Forest, 14 in the Malheur N.F. and 17 in the Malt Whitman N.F. An additional 25 fires developed in the Vale district of the Bureau of Land Management. Largest range fire was a 12,000-13,000 acre burn on Battle Creek about 25 miles north of McDermitt. An electrical storm near Vale on the evening of the 10th blew down power lines, flattened many acres of corn on 4 farms and downed 2 large trees just off Highway 208 between Vale and Ontario.																																				
Southeastern Oregon	14	Evening			0	0	?	?	Electrical																														
			Lightning struck two transmission towers in the Snake River Valley and caused a 14-hour power outage for the Halfway-Richland area. Three sleeper fires were controlled in the Blue Mountains. Two range fires broke out after a lightning storm near Rome where one blackened 7,000-9,000 acres and required 200 men on the lines to battle these two fires. Another 30-acre fire was also controlled west of Harper.																																				
Baker and Malheur Counties	15	2:00 p.			0	3	0	0	Electrical																														
			Three young hikers were injured when lightning struck near them on Saddle Mountain in the rocky Blue Lake area of Eight Lakes Basin. Two teenagers received burns and bruises, and one 20-year-old fellow was burned on the neck and face and unconscious for an hour. They were removed to the Stayton hospital by helicopter.																																				
Detroit 20 SE, Linn County	16	All day	350	*150	0	0	0	?	Rain, Electrical, Snow, and Hail																														
			Widespread rain across western Oregon was heavy in places. A new August 24-hour precipitation of 1.41 inches was set at Eugene WSO where a new record 1-hour total for August of .92 inch also occurred causing some damage to field corn and backed up street drains. Some 64 lightning set fires were reported about the State but all were small and controlled. Nearly 1 inch of rain at Crater Lake National Park Headquarters provided up to 5 inches of wet snow on the 33-mile rim route which was then closed at 11:00 a.m. Hail up to 1 inch in diameter was reported in the Holley area, but no damage was reported.																																				
Western Oregon	16	6:00 a.-Noon	100	*30	9	10	5	0	Wind																														
			A small but intense storm developed off the coast of northern California. The storm center was approximately 35 miles due west of Crescent City, California at about 7:00 a.m. and moved north-northeastward at 15 to 20 miles per hour and made landfall in the Brookings area at about 9:30 a.m. The storm weakened as it moved into the Coast Range on its north-northeastward path to a position about 30 miles east of North Bend by 1:00 p.m. At least 10 boats were sunk off the California-Oregon border coast and another 100 boats badly damaged. Nine lives were lost in the Chetco Harbor-Brookings area of Oregon. A number of boaters received minor injuries. Observed winds at shore locations were as follows:																																				
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Location</th> <th>PST</th> <th>1-Minute Wind Dir.</th> <th>Speed</th> <th>Wind Gusts Speed</th> </tr> </thead> <tbody> <tr> <td>Arcato FSS</td> <td>9:00 a.m.</td> <td></td> <td>23 m.p.h.</td> <td>35 m.p.h.</td> </tr> <tr> <td>Crescent City</td> <td>9:50 a.m.</td> <td>S</td> <td>35 m.p.h.</td> <td>50 m.p.h.</td> </tr> <tr> <td>Brookings WSO</td> <td>10:00 a.m.</td> <td>SE</td> <td>63 m.p.h.</td> <td>75 m.p.h.</td> </tr> <tr> <td>Cape Blanco CGS</td> <td></td> <td></td> <td>35 m.p.h.</td> <td></td> </tr> <tr> <td>North Bend FSS</td> <td>1:00 p.m.</td> <td></td> <td>23 m.p.h.</td> <td>32 m.p.h.</td> </tr> </tbody> </table>							Location	PST	1-Minute Wind Dir.	Speed	Wind Gusts Speed	Arcato FSS	9:00 a.m.		23 m.p.h.	35 m.p.h.	Crescent City	9:50 a.m.	S	35 m.p.h.	50 m.p.h.	Brookings WSO	10:00 a.m.	SE	63 m.p.h.	75 m.p.h.	Cape Blanco CGS			35 m.p.h.		North Bend FSS	1:00 p.m.		23 m.p.h.	32 m.p.h.
Location	PST	1-Minute Wind Dir.	Speed	Wind Gusts Speed																																			
Arcato FSS	9:00 a.m.		23 m.p.h.	35 m.p.h.																																			
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North Bend FSS	1:00 p.m.		23 m.p.h.	32 m.p.h.																																			
			No measured winds were available off the coast but winds over the open ocean were estimated up to 69 m.p.h. and more. A number of boats and their passengers were rescued by Coast Guard crews and other boaters while some boats rode out the storm safely in the lee of Bird Island off the coast at Brookings. The storm downed																																				

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 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	
OREGON (continued)									
Northeastern Oregon	20, 21	Both days	120	*120	0	0	0	0	Electrical
<p>power lines in several places and the Brookings-Harbor area experienced a 4-hour electrical outage that also forced Radio Station KURY off the air at 9:55 a.m. A few trees were blown down in the area and the roof was blown away on a new home under construction at Brookings. Please see the California section of this publication for additional details relating to the earlier segment of the storm.</p> <p>Extensive electrical storms over the mountains of northeastern Oregon caused numerous forest and grass land fires. The Bureau of Land Management reported 18 small fires while the State Forestry had 23 fires reported. The U.S. Forest Service had 23 lightning set fires in the Malheur N.F., 20 in the Umatilla N.F., and 46 in the Waiit Whitman N.F. One fire burned 7 acres near Enterprise, with the rest of the fires burning less than a quarter of an acre each.</p>									
PACIFIC									
Johnston Island	18-19	11:18 p.-11:47 a.			0	0	?	0	Hurricane Celeste
<p>Johnston Island completely evacuated before arrival of Celeste, as precaution against possible escape of stored toxic gases. Wind and rain damage to National Weather Service office roof, interiors and instruments and to military facilities, but details and dollar value classified. Wave damage probably light because of hurricane's passage northeast of island where reef extensive. North and northwest sides of structures appeared jagged. Emergency generator continued operational, providing following data: fastest mile, NN 104 m.p.h. at 7:59 a.m. on 19th; lowest sea-level pressure, 29.04 inches at 11:58 a.m. on 19th; hurricane-force winds from 3:54 a.m. to 9:18 a.m. on 19th; total rainfall, 6.21 inches on 19th, but may be more, since gage partially plugged with coral.</p>									
PENNSYLVANIA									
McKean County	7	Day			0	0	3	0	Rain, lightning
Scranton	7				0	1	3	0	Rain, lightning, wind
York County	7	Evening			0	0	0	0	Wind, rain, lightning
Blair County	26	Afternoon			0	5	4	0	Wind
Lebanon County	26	Evening			0	0	3	0	Wind, rain, lightning
Philadelphia area	27	Early morning			2	1	4	0	Lightning, wind, rain
PENNSYLVANIA (continued)									
Harrisburg	27	Late afternoon			0	0	4	0	Wind, rain
<p>The Greater Harrisburg area reported scattered flooding and wash-outs. The storm affected electric service to 6,000 homes. High winds accompanying the storm ripped the roof from one large building and knocked down dozens of trees. The first floor of an apartment complex was flooded when a two-panel glass door in its community center was blown out. Drain water washed away a portion of an intersection where a new sewer line is under construction.</p>									
PUERTO RICO									
None reported									
RHODE ISLAND									
Eastern sections	1	3:30 p.-5:00 p.			0	0	4	0	Lightning, heavy rain
Middletown and Portsmouth, Newport Co.; West Warwick and Coventry, Kent Co.; Scituate, Providence Co.	3	Even			0	0	4	5	Wind, hail, heavy rain
<p>Thunderstorms caused heavy rain which flooded cellars and caused road washouts in West Greenwich, Providence Co. In eastern Rhode Island power outages of up to 5 hours occurred when lightning strikes caused failures at 50 substations and set a fire in one house.</p> <p>Hail and wind combined to extensively damage much of the corn and some of the vegetable crop in Portsmouth and Middletown and part of the apple crop in Scituate. A number of vehicles were dented by the hail in Newport County and heavy rain caused some flooding in West Warwick and Coventry.</p>									
SOUTH CAROLINA									
Horry County	5	1:00 p.			1	1	4	0	Thunderstorms, lightning, heavy rain
Greenville County	7	4:00 p.-12:00 p.			0	0	5	0	Thunderstorms, rain, high winds, lightning
Union County	7	5:00 p.-12:00 p.			0	0	4	0	Thunderstorms, rain, high winds, lightning
Clarendon County	8	4:00 p.			0	0	4	0	Small Tornado
Orangeburg County	8	5:00 p.			0	0	4	0	Thunderstorms, lightning
Dorchester County	8	8:00 p.			2	0	3	0	Thunderstorms, high winds
<p>Thunderstorms struck the Myrtle Beach area from Surfside. Flooding was caused by the rapid rate of rainfall in Myrtle Beach. Many autos stood in two feet or more of water and suffered damage to interiors. The beach was badly eroded at 24th Street N. as the flood waters cut trenches to the ocean. A 28 year old woman was struck and killed by lightning at Windy Hill Beach. A 19 year old man was struck by lightning and burned but not severely injured at Myrtle Beach. Water came through the weakened roof of a grocery store at Surfside Beach doing much damage to stock in the store.</p> <p>A series of thunderstorms struck the Greenville area over an eight-hour period and did considerable damage. Electrical and telephone companies were hardest hit and power and telephones were out over very large areas for hours at a time. Many trees and limbs were downed. There was flooding of many streets, and autos, homes and stores suffered flood damage. A small airplane was blown off the downtown airport and into a parking lot, sustaining heavy damage. There were several lightning strikes of trees and buildings which caused minor damage in each case.</p> <p>A small tornado was first seen over Lake Marion. It moved onto the North shore at the extreme eastern end of the lake about 12 miles south of Manning, near camp Bob Cooper. It damaged mobile homes and houses in the Lake Marion Shores subdivision of the Santee area. One house trailer was destroyed by a falling tree. Several other trees were downed. (This entry was erroneously reported in July storm data, as Thunderstorms and high winds. The event occurred on August 8, however, and not on July 8.)</p> <p>Lightning struck a church and set fire to it, resulting in it's complete destruction. The church was located 7 miles west of Orangeburg on State Highway 4.</p> <p>A 46 year old man and his 8 year old son were killed instantly when a large oak tree fell on their car in Summerville. The oak was toppled by high winds during a thunderstorm. The nearly new auto was demolished and rescue workers had to saw up the tree to reach the victims.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1972

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED <sup>1</sup> DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
<b>SOUTH CAROLINA (continued)</b>										
Colleton County	8	8:30 p.			0	0	4	0		Thunderstorms, lightning, wind
		A downtown building was struck by lightning and burned to the ground in the small town of Ritter about 8 miles south southwest of Walterboro. The building housed a grocery store, a farming operation office and the Ritter Post Office. Most of the mail was removed from the Post Office in time to save it, but the building and other contents were a total loss.								
Laurens County	8	7:30 p.			0	0	4	0		Thunderstorm, hail, high winds
		A mobile home was demolished by high winds about six miles northeast of Laurens near the intersection of state roads 49 and 308. Several other mobile homes were lifted off their foundations and several buildings were unroofed. The size of the hail was not reported. Several trees were downed.								
Sumter County	9	6:30 p.-11:30 p.			0	0	4	0		Thunderstorms, wind, lightning
		Lightning set fire to three separate houses in Sumter during a series of thunderstorms. One house and contents were badly damaged, the other two had lesser damage. An auto accident occurred and auto damage when a woman tried to avoid a fallen tree and hit another car. No injuries resulted.								
Darlington County	10	9:00 p.-12:00 p.			0	0	4	0		Thunderstorms, lightning, winds
		Three fires set by lightning took their toll in the city of Hartsville. Winds brought down many limbs and a few trees. One fire was in a heating-air conditioning business building and did a great deal of damage although the building was saved. One house was burned to the ground. It contained no furnishings and was unoccupied. Another fire in a building next door to tanks of a propane gas company was contained without mishap.								
Chester County	19	Late-Evening			0	1	4	0		Thunderstorms, high winds
		Several chimneys were blown off of houses in Chester by high winds. One chimney crashed through the metal roof of a delivery truck parked nearby. A mobile home was overturned on an auto and a woman occupant of the home was injured. She was hospitalized for several days. The home was nearly totally destroyed, the auto sustained only minor damage. Many limbs and a few trees were downed and power was out for a few hours in some parts of Chester.								
<b>SOUTH DAKOTA</b>										
11NW Yankton, Yankton County	5	11:55 a-12:05 p	1/4	400	0	0	3	0		Tornado
		Tornado apparently touched down briefly twisting off large trees and causing some windows to be blown out in the State Lake area. Some cottages and cars were damaged by fallen trees. Storm moved from NW to SE.								
Mission Hill Area, Yankton County	5	11:55 a-12:20 p	15	*1-5	0	0	3	5		Hail
		Hail averaging 3/4 inch with largest to one inch caused considerable damage to crops and some damage to buildings in area.								
Mayfield Area, Yankton County	5	6:00 - 7:00 p	8	*3	0	0	0	5		Hail
		Hail averaging 1/4 inch with largest to one inch caused estimated \$150,000 damage to crops. Storm moved from W to E.								
Sioux Falls-Canistota Area, Minnehaha and McCook Counties	6	1:55 a	7	*1-2	0	0	0	4		Hail
		Hail averaging 3/4 inch with largest to two inches caused up to 40% damage to crops in area.								
Menno Area, Hutchinson County	7	6:30 - 6:50 p	14	*2	0	0	5	5		Wind and hail
		Hail up to about one inch caused extensive damage to crops in area. Wind caused considerable damage to property particularly in Menno where the damage was estimated at \$60,000.								
Spearfish, Lawrence County	17	12:30 a			0	0	4	0		Lightning
		Lightning struck a house causing an estimated \$10,000 fire damage.								
<b>TENNESSEE</b>										
Gatlinburg, Sevier County	1	6:05p.m.			0	0	4	0		Lightning
		Lightning fire damaged a chalet near Gatlinburg.								
Kingsport, Sullivan County	2	5:00p.-6:00p.			0	0	6	0		Flooding
		Considerable flooding of streets, drainage ditches and basements occurred in the Kingsport area as a result of 4.1 inches of rain that fell in about 1 hour. Hardest hit in Kingsport: Millie St.; the Neighborhood Improvement Project area at Highland Park, and along Lincoln Street where flood waters reached a height of 5 feet								
<b>TENNESSEE (continued)</b>										
		in some places. Severe flooding also occurred at Sevier Terrace Recreation area along Lee, Riverside and Strafford Roads, and around Brooks Circle. On Gay Street, a 10-inch water main broke loose - adding additional flood waters. Total property damage to residential and business property was estimated at \$514,000.								
Dyer County	6	4:35p.m.								Funnel aloft
		Observed 19 miles north-northeast of Dyersburg, moving southeastward.								
Dyersburg, Dyer County	6	4:51p.m.			0	0	4	0		Wind
		Strong winds, measured at 58 miles per hour, caused scattered property damage.								
Maryville, Blount County	7	3:22p.m.	3	600	0	0	5	0		Windstorm
		A severe thunderstorm accompanied by heavy rains and high winds swept area southwest of Maryville. Heaviest damage appeared to be concentrated 5 miles south of the Weather Service Office at Knoxville. Utility poles were downed by falling trees and limbs. Homes, businesses, mobile homes and signs suffered some damage due to the high winds. Residents reported sighting no funnel clouds during the storm.								
Williamson County	8	p.m.			0	0	4	0		Lightning
		Fourteen dairy cattle destroyed by lightning near Franklin. The loss was estimated at \$9,000.								
Murfreesboro, Rutherford County	9	3:00a.m.			0	0	3	0		Lightning
		A fire apparently set by lightning, burned a barn on the Woodbury Road.								
State	9				1	0	5 <sup>0</sup>	0		Wind, electrical, rain, and hail
		Thunderstorms, with strong gusting winds crossed the State. Many trees were knocked down and power service was interrupted. Probably the greatest amount of damage occurred in eastern Tennessee where swollen creeks covered roads and swept through a number of low-lying areas. Among the hardest hit was Etowah where six businesses were flooded after a canal which drains the city of excess water overflowed. One death was attributed to the storms; a 31-year old man was killed by lightning on a golf course near Athens. Hail averaged about 1/2 inch in diameter with some of the storms, but large stones, up to 1 inch in diameter caused no reported damage in the Whitwell area.								
Tipton County	12	6:00p.m.			0	0	3	0		Wind
		Wind damaged the roof of a mobile home in the Covington area. The trailer was moved off its blocks by the wind, but did not overturn.								
Davidson County	12	12:05p.-1:00p.			0	0	5	0		Windstorm, lightning
		Strong winds measured to 55 miles per hour by the National Weather Service at Nashville Metropolitan Airport and at 75 miles per hour by the Federal Aviation Agency at Nashville Metropolitan Airport caused local damage across the county. Hardest hit was Nashville and Madison. Trees, power lines, signs and roofs were damaged. Damages in the thousands of dollars were reported at a suburban apartment complex where parts of balconies and roofs of two buildings were torn loose. At Madison, the wooden roof over a lumber storage area was blown away. Scattered utility outages reported after being struck by lightning. Minor damage from wind and lightning also reported in the Springfield area of Robertson County.								
Sullivan County	18	10:00p.			0	0	5	0		Electrical, wind
		Power outages several areas due to lightning and wind. Wind blew down trees and signs. Bristol Cablevision and electrical transformers burned out.								
Lawrence County	21	9:00a.m.			0	0	4	0		Lightning
		A home in the Lawrenceburg area was destroyed by fire, apparently set afire by lightning strikes.								
Murfreesboro, Rutherford County	21	4:30p.m.			0	0	4	0		Wind
		High winds toppled a concrete wall under construction at a shopping center.								
Shelby County	22	4:19p.-8:30p.			0	0	5	0		Flooding
		An intense thunderstorm in North Memphis caused local flash-flooding centered in the Raleigh-Bartlett area. An unofficial total of 3.2 inches of rain was reported at Raleigh while official stations nearby received varied totals. Several houses on Alfaree Street and on Thomas Road received water damage to carpets and floors as the water entered. Street flooding was reported along Jackson, Macon, St. Paul and Lauderdale, and on Interstate 55 between E. H. Crump Blvd. and McLeMore. Lightning and wind disrupted power and telephone service to 20,000 customers. Ninety percent of the outages were corrected by midnight. Property damage, due mainly to flooding was estimated at \$150,000. No reports of crop damage was received.								
Montgomery County	27	9:05p.-10:25p.			0	0	4	0		Lightning
		Several fires caused by lightning occurred during severe thunder-								



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					KILLED	INURED	PROPERTY	CROPS	
TENNESSEE (continued)									
Bean Station, Grainger County	27	11:30p.			0	0	4	0	Lightning
									storm activity. The most serious of the storm-related fires occurred at Clarksville where the roof of one house burned; damage to house and its contents was estimated at \$20,000.
TEXAS									
Northrup-Serbin area, Lee County	3	10:00 a	1	10	0	0	4	0	Tornado
									Lightning struck and burned a house located on German Creek Road. Loss was estimated at \$25,000.
									A tornado cut through the Northrup-Serbin area of Lee County where it skipped over several houses but destroyed a garage and a number of barns in its mile-long path. The tornado began its path of destruction at the Louis Malke farm at Northrup. It traveled in a northwest direction, crossed the Northrup farm road, then continued toward Serbin where it struck three separate farms belonging to P. A. Helms, Mrs. John Kubsch, and Charles Arldt.
									Louis Malke was working in his blacksmith shop at Northrup just a few hundred yards southeast of his house when he heard the tornado coming over his shop. "It sounded like a bunch of jet planes flying over", he said.
									Mr. Malke ran outside and noticed that the funnel cloud was heading straight for his house. Knowing that his wife and daughter were inside, he began running toward the house. But, the closer he got to the house, the more he could feel the suction of the powerful wind trying to lift him off the ground. The swirling wind became so intense that he had to turn back to keep from being sucked up into the funnel.
									Mr. Malke ran back to his blacksmith shop just in time to see the tornado skip over his big frame house and dip again on the north side several hundred feet away where it ripped apart a large barn.
									Later along its zig-zag path, it again skipped over the house of Mrs. John Kubsch, but struck her large barn located approximately 300 feet behind the house. At the P. A. Helms farm, the tornado ripped the entire roof off his two-car garage, but did not damage his frame house just 20 feet away, other than turning up a little sheet metal on the edge of the roof. Mr. Helms' pickup truck and car were in the garage, but neither got a single scratch. A 12-foot cedar post which held up the roof of the garage and divided it down the center was pulled up out of the ground along with the roof and carried some 800 feet. Total damage was estimated at 11 thousand dollars.
NE Austin, Travis County	3	11:10 a	**17	17	0	0	4	0	Tornado
									A small tornado funnel dipped to the ground briefly at Tim's Airpark at IH-35 and Dessau Road, northeast of Austin, where it damaged two parked aircraft.
									Ben Sorrell, office manager for Tim's, said he saw a "swirling mass of water" approaching the aircraft parking ramp from the northwest.
									"It didn't look like a funnel - just a twisting mass of water," he said. The mass was not accompanied by any unusual noise, Sorrell said. The airpark manager said the rain in the affected area was swirling around in a circle about 25 feet in radius. Two aircraft were damaged. These two were "spinning and bouncing" around inside the vortex. There were airplanes on three sides of the two damaged aircraft, north, south and west, and the only other aircraft affected was the airplane to the west of the two damaged. It was twisted around about 10 degrees, clockwise. All chains were broken on the two damaged aircraft, and one chain was broken on the aircraft to the west of these two. Of the two airplanes within the vortex, one was turned 180 degrees, while the other was turned around at least 360 degrees. Total damage was estimated at 15 thousand dollars.
Houston-Bellaire area, Harris County	3	11:30 a - 12:30 p	?	?	0	8	4	0	Windstorm, 2 funnels aloft
									Winds estimated at 60 miles per hour struck the Houston-Bellaire area and injured at least eight persons - one of them critically. The strong thunderstorm gusts dislodged gravel roofing atop the United Gas Building about 11:30 a.m. and sent it smashing into the building's reflective glass siding. More than 25 panels were shattered on the north side of the new building at 1200 Milan. Much of the glass fell onto Dallas Street. Parts of the roofing, which was sucked from an equipment penthouse on the 35th floor, was hurled as far as City Hall Four blocks away. High winds also hit a townhouse construction site in the 8500 block of Wilshire at Allen. Five men were injured as parts of the townhouse frames collapsed, including Thomas R. Taylor, 24, who was hurt critically. Funnel clouds were observed near 6312 Alder in Bellaire about 11:30 a.m., and about 20 miles north of downtown Houston around 12:35 p.m.
Near Lubbock, Lubbock County	4	10:00 a - 11:00 a							4 funnels aloft
									Four funnel clouds aloft were observed in the vicinity of Lubbock - two north and two south of the city.
Hockley and Lamb Counties	4	4:00 p - 5:00 p							10 funnels aloft
TEXAS (continued)									
20 NW Tulia, Swisher County	6	3:50 p	1	50	0	0	0	0	Tornado
									Ten or more funnel clouds were observed aloft between Whiteface, near the Cochran-Hockley county line, and Olton in northeastern Lamb County.
Andrau Airpark, Harris County	7	4:05 p - 4:20 p	1/4	100	0	0	4	0	Windstorm
									Tornado touched ground in open country. There was no damage.
									Severe thunderstorms moved across west and northern Harris County and numerous electrical outages and minor property damage due to high winds. The most serious damage was at Andrau Airpark, Inc., on Westheimer, on the western edge of Houston, where the wing was torn off a Piper Cub, and a Cessna 150 owned by Clay Hodges of Sugar Land was flipped over and thrown onto a nearby vehicle. Gusts of up to 95 miles an hour were reported at Andrau with sustained winds of 75 miles an hour. Damage to the airplanes was estimated at five thousand dollars. Power lines were knocked down in parts of Alief, Spring Branch and northern Houston by falling tree limbs. A few homes suffered minor damage from falling limbs also.
Near Kirby, Bexar County	7	5:15 p	?	?	0	0	4	4	Hailstorm
									Hail up to 1 3/4 inches in diameter fell in the Kirby community east of San Antonio. Damage was thought to be minor.
Amarillo, Potter County	8	2:00 p - 2:45 p	2	50	0	0	0	0	Tornado
									A tornado touched ground in the extreme western part of Amarillo near the intersection of IH-10 and Coulter Road. The funnel resembled a large dust devil in appearance, but was connected to a cloud. There was no damage. The storm moved from north to south.
Granbury, Hood County	8	5:50 p - 6:15 p	3/4	10	0	0	4	4	Tornado, hailstorm
									A small tornado ripped off about sixty percent of the shingles from the roof of a house located at Valley View and East Moore Streets in Granbury and lifted the roof off a nearby garage and dumped it into a vacant lot to the northeast. A large oak tree on East Moore was twisted and split and several large limbs were broken off trees in the neighborhood. The tornado moved through the northeast section of the town. Utility poles were knocked down also.
									One resident said, "the storm came on suddenly and sounded like a train was moving across the front lawn."
									Hail, measuring one-half to three-quarters inch in diameter damaged roofs in other parts of Granbury.
3 E Byers, Clay County	8	8:00 p - 8:30 p	1	67	0	0	4	4	Tornado, hailstorm
									A tornado damaged or destroyed several barns and storage sheds on farms belonging to Beck Murray, Sr., Raymond Jones and Mrs. Ray Stine, about three miles east of Byers. Damage was estimated at five thousand dollars. The tornado moved from southeast toward the northwest. Small hail averaging one-quarter inch in diameter, fell during the storm and caused five thousand dollars damage to crops. The largest hailstones were one-inch in diameter.
Near Ogden community, Cottle County	8	Evening							Funnel aloft
South Plains, Northwest Texas	9		?	?	0	0	0	3	Lightning
									Lightning set widespread grass fires in the rangeland east of Lubbock. Grass fires which raged more than two hours were reported on the Triangle, 6665 and W. S. "Bill" Healy ranches. Ranchers estimated more than 1,000 acres of grassland burned on the Triangle. Loss on the other ranches also was reported as extensive.
North Matagorda Island, Calhoun County	10	8:50 a							Funnel aloft
5 W Nederland, Jefferson County	10	8:54 a							Funnel aloft
15 NE San Angelo, Tom Green County	10	11:50 a							Funnel aloft
Near Old Ocean, Matagorda County	10	11:55 a							Funnel aloft
Near Port Aransas, Aransas County	10	12:15 p							Waterspout
Dallas, Dallas County	10	12:40 p - 4:20 p	?	?	0	0	5	0	Rain and windstorm
									An afternoon thundershower accompanied by gusty winds caused mostly minor damage in East and Northeast Dallas. The National Weather Service at Love Field reported wind gusts to 48 miles-per-

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
			0.75						hour, and measured up to 2.82 inches. Fire station gauges around the city at Levitz Furniture Warehouse at 1333 Stemmons Freeway. The business was preparing for a 100 thousand dollar parking lot sale when the storm hit. Company spokesman estimated the damage, mostly from rain, at about fifty thousand dollars. A falling tree crushed the porch of the Thomas Fox residence at 2738 Gladstone and a pickup truck was smashed by a tree which fell in the 200 block of Slaughter near Woodrow Wilson High School.
Houston, Harris County	10	1:00 p			1	0	0	0	Lightning
									Lightning claimed its fifth Harris County victim in two months. The victim was Lino K. Garcia, who was struck down as he hoed weeds in the front yard of a new home. Family members reported the lightning struck a nearby pine tree and then hit Garcia in the chest. He was dead at the scene.
Near Beaumont, Jefferson County	10	Afternoon			0	0	5	0	Lightning
									Lightning struck and set fire to an 80,000 barrel gasoline storage tank near Beaumont.
Jefferson County	10	Afternoon							Funnel aloft
									A funnel cloud was observed aloft in the Beaumont-Port Arthur area at mid-afternoon.
Near Blue Ridge, Collin County	10	4:00 p	1	10	0	0	3	0	Tornado
									A small tornado damaged a barn and shed when it touched ground about two miles west of Blue Ridge. The storm moved from west to east.
7 E Lufkin, Angelina County	11	?			1	1	0	0	Lightning
									George E. Kelsey, 18, was killed, and John N. Brown, 22, was injured, when the truck on which the two were working was struck by lightning, seven miles east of Lufkin.
Near Kilgore, Gregg County	10	Night			0	0	4	0	Lightning
									Lightning set fire to six oil tanks near Kilgore.
Houston, Harris County	11	12:40 p-4:30 p	**10	10	0	0	0	0	Tornado, 4 funnels aloft
									A small tornado touched ground very briefly at Hillcroft and South Main in the southwestern part of Houston. Funnel clouds aloft were observed over Katy Freeway and Dairy-Ashford Road, Southwest Freeway and Bellaire Boulevard, West Belt and IH-10, and 9800 Katy Freeway. The tornado did not cause any damage.
10 W Andrews, Andrews County	11	2:35 p							Funnel aloft
5 N Ector County Airport, Ector County	11	Mid-afternoon							Funnel aloft
Los Angeles, La Salle County	11	7:00 p-7:30 p	7	*1	0	0	4	0	Windstorm, funnel aloft
									A windstorm overturned and almost destroyed a mobile home in Los Angeles and damaged the roof of a recreation hall. Damage was estimated at about eleven thousand dollars to the two structures. A service station, owned by John Draper, was damaged also. Several persons reported that they heard a noise like a roaring train coming from the southwest, which lasted about 10 minutes, but no one observed a funnel. The Cooperative Weather Observer at Los Angeles described the damage as the result of straight-line winds. The storm moved from southwest to northeast. Minor damage occurred to old farm buildings, one mile east, four miles northeast, and four miles northwest of Los Angeles.
6 S Los Angeles, La Salle County	11	7:15 p	1/4	100	0	0	0	0	Tornado
									A tornado touched ground briefly about six miles south of Los Angeles but did not cause any damage.
Lumberton, Hardin County	12	10:40 a							Funnel aloft
Snyder, Scurry County	13	?	?	?	1	30	6	5	Flooding
									Heavy rains over most of the northern half of Scurry County and also in the western and southwestern sections sent area creeks on a devastating rampage that resulted in one death by drowning, 30 minor injuries, and property damage in excess of two million dollars. Mrs. Cora Barrington Tate, 69, drowned 18 miles north of Snyder on the Clairmont Road after the car in which she was a passenger stalled in high water. A bus was washed off U.S. 84 near Demott where some of the heaviest rainfall was reported. Almost all of the property damage was in the town of Snyder. The Caprock breaks into ravines and gullies just to the north and west of the city and downpours in these areas transformed Snyder's two, usually dry creeks, Deep Creek and Dry Creek into raging torrents. Unofficial rainfall measurements of 5 to 12 inches were reported in the area northwest of Snyder. Mrs. Bill Rildy reported 12 inches of rain - 10 of which fell between midnight and 9:00 a.m., CDT at her place 17 miles north of Snyder. A total of 4.37 inches fell at Snyder.
TEXAS (continued)									
									A wall of water, 10 feet above flood stage, tore through Snyder, damaged approximately 30 businesses, flooded the Police and Civil Defense stations, knocked the police transmitter powerless and forced about 400 motorists and residents stop a small island that was actually the town's square. One of the most heavily damaged businesses in Snyder, The Snyder Glass and Mirror Company, withstood the 10-foot-tall wave, but damage to the establishment was placed at 90 percent. Water rose to a depth of two feet in the Scurry County Jail. Damage to businesses was estimated at 1,500,000 dollars, with 80,000 dollars damage to city property and 360,000 dollars damage to residential property. The bridge on Thirtieth Street buckled in the middle and was considered a total loss. Street damage was considerable throughout the town. Water coursed through the U. S. Post Office at Twenty-Fourth Street and Avenue R. High water also was reported around the RS & P depot, Rainbow Market, Furr's and on south to the confluence of the two creeks and Thirtieth Street. Along Deep Creek, the Jay Huckabee Co., the bus station, the Snyder News, Forrest Lumber Co., Thomas-Stanfield, Inc., Hoyt Furniture, Snyder Glass and Mirror, Montgomery Ward, James Stewart III Offices, M & M Electronics, Farmers 66 Station and Percco, all had water in their buildings. Outside of Snyder, oil company property and farm terraces were damaged by the heavy rains.
Prairie Flower community, Clay County	13	7:15 p	1/4	20	0	0	4	0	Tornado
									A tornado struck the J. D. Deason farm in the Prairie Flower community where a 60-by-10 foot metal chicken house, used to store farm equipment, was lifted to the roof of the Deason residence, and 2-by-4 timbers were driven into the residence's upstairs. Utility lines were broken.
									Deason, who was in the basement of the house when the tornado struck, said the wind became "very still" then burst with noise of a jet airplane.
Matagorda Bay, Matagorda County	14	9:50 a							Waterspout
10 S Eagle Lake, Wharton County	14	10:10 a							Funnel aloft
Near Orange, Orange County	14	1:45 p							Funnel aloft
SW League City, Galveston County	14	1:55 p	**50	10	0	0	0	0	Tornado
									Tornado touched ground briefly. No apparent damage.
Near Port Arthur, Jefferson County	14	1:55 p							Funnel aloft
5 NE Alvin, Galveston County	14	1:55 p							Funnel aloft
Texas City-La Marque, Galveston County	14	4:00 p-5:00 p							Funnel aloft
5 S Galveston, Galveston County	14	4:30 p							3 Waterspouts
Vicinity Galveston, Galveston County	14	4:30 p							3 Funnels aloft
5 NNE Ellington AFB, Harris County	14	5:39 p							Funnel aloft
20 SE Corpus Christi, Kleberg County	15	6:38 a							Funnel aloft
Near Port Aransas, Aransas County	15	6:42 a							Funnel aloft
Copano Bay, Aransas County	15	9:30 a							Waterspout
12 S Corpus Christi, Nueces County	15	11:25 a							Funnel aloft
NE Corpus Christi, Nueces County	15	Morning							3 Funnels aloft
Near Corpus Christi, Nueces County	16	8:00 a							3 Funnels aloft
Near Anstwell, Aransas County	16	10:50 a							Funnel aloft
12 NE Galveston, Galveston County	17	5:23 a							Funnel aloft
Aransas Bay, Aransas County	17	9:18 a							Funnel aloft
12 N Corpus Christi, San Patricio County	17	12:12 p							Funnel aloft
Near Padre Island National Seashore, Kenedy County	18	7:54 a							Waterspout

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1972

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
TEXAS (continued)									
Near Fort Arthur, Jefferson County	18	8:48 a							Funnel aloft
10 SE Sterling City, Sterling County	18	3:00 p							Funnel aloft
20 W Salt Flat, Hudspeth County	19	12:11 a							Funnel aloft
Near Beeville, Bee County	19	10:25 a							Funnel aloft
SE Spearman, Hansford County	21	1:25 p							Funnel aloft
N Amarillo, Potter County	21	4:00 p							Funnel aloft
NW Malleshoe, Bailey County	21	9:20 p							Funnel aloft
4 E Pecos, Reeves County	22	4:14 a							Funnel aloft
Austin, Travis County	22	4:45 p-5:00 p	?	?	0	1	5	0	Windstorm, lightning, funnel aloft
									High thunderstorm winds estimated at 65 to 75 m.p.h. raked the state capitol grounds, uprooted 15 major trees valued at 85 thousand dollars, and caused one thousand dollars damage to the dome of the capitol building. Two major windows were blown out of the capitol dome. Some of the quarter inch thick glass from the three-by-five-foot windows crashed to the floor of the rotunda but no one was injured. Most of the broken glass was found scattered on the capitol roof. Only two automobiles were reported damaged by falling trees on the capitol grounds. The storm moved through the city from the northwest, with the majority of the damage south of the University of Texas, between Lavaca Street and IH 35, particularly around Waller Creek. The heaviest damage to utility lines was south of 26th Street. A large billboard along Guadalupe Street on 7th and 8th Streets was blown over and landed on top of seven vehicles. The high winds ripped off a 50-foot portion of the roof of the University Christian Church, 2007 University Avenue. The section of the roof blew across the alley and slammed into the side of the Robert E. Lee building at the University. Damage was also reported to the Maharani Store at 401 W. 15th, Calcasieu Lumber Company at 701 W. 5th and Century House Antiques at 604 W. 12th Street. Sixteen-year-old Joyce Williams was stunned but not injured seriously, when lightning struck the wood frame Alfred Williams' residence at 5701 Jim Hogg less than three feet from where she was standing. A funnel cloud was reported about five miles north of the Austin Municipal Airport at 5:00 p.m.
Medina, Bandera County	22	7:40 p	?	?	0	0	4	0	Windstorm
									Thunderstorm winds damaged several homes in Medina, demolished a barn and uprooted several trees. Utility lines were knocked down.
Pecos, Reeves County	23	2:30 a-4:00 a	?	?	0	0	5	0	Windstorm, funnel aloft, lightning
									Thunderstorm winds of more than 50 m.p.h. tore roofs from homes, smashed mobile homes, broke plate glass windows and uprooted trees in Pecos. Damage was estimated at several hundred thousand dollars. Two or three mobile homes were overturned at Tra-Park as were some at Country Club Trailer Park. Automobiles parked at Trans Pecos Cotton Association were damaged. Windows were blown out and trees uprooted at the Pecos Housing Authority. Utility lines were down throughout the city - damage was mostly from flying debris. There was heavy damage in the Lindsay Addition southwest of Pecos, where lightning struck one house and others were damaged by high winds. A funnel cloud was observed aloft, five or six miles south of Pecos, at 5:44 a.m., but it did not touch ground.
Near Fort Neches, Jefferson County	23	6:30 a							Funnel aloft
12 ENE Galveston, Galveston County	23	7:30 a							Waterspout
Near Vidor, Orange County	23	10:06 a							Funnel aloft
5 E Port Bolivar, Galveston County	23	11:40 a							Funnel aloft
Hale Center, Hale County	23	12:30 p							Funnel aloft
Near Abernathy, Hale County	23	1:35 p							Funnel aloft
Brownwood, Brown County	23	1:45 p	?	?	0	0	4	0	Windstorm
									High thunderstorm winds measured at 60 m.p.h. damaged roofs, uprooted trees and blew down signs and television antennas in Brownwood.
Harper, Gillespie County	23	2:30 p	**50	10	0	0	0	0	Tornado

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					KILLED	INURED	PROPERTY	CROPS	
TEXAS (continued)									
									Tornado touched ground near the Harper High School then lifted back into the clouds without causing any damage.
10 E Flomot, Motley County	23	2:45 p							Funnel aloft
Near San Antonio, Bexar County	23	Afternoon							Funnel aloft
Johnson City, Blanco County	23	3:45 p	1/8	10	0	0	3	0	Tornado
									A small tornado funnel dipped down on a garage in Johnson City, flattened the south wall, then lifted all parts of the garage straight up and carried them about 200 yards into a pasture and dropped them. As the debris swirled through the air it cut electric wires. The tornado moved from east-northeast toward the west-southwest.
Near Quitaque, Briscoe County	23	Night	?	?	0	0	3	5	Hailstorm, rain
									Hail, up to 1 3/4 inches in diameter, fell in the Quitaque area and almost destroyed approximately 1,000 acres of cotton. Heavy rains, as much as 3-50 inches, flooded fields. J. P. White estimated the loss at 150 thousand dollars.
Near Lake San Rayburn, Angelina County	24	?							2 Funnels aloft
Collingsworth County	24	?	?	?	0	0	4	5	Hailstorm, funnel aloft
									Hail battered cotton in widely scattered sections of Collingsworth County. Some grain sorghum also suffered damage. A funnel cloud was observed aloft about four miles west of Wellington.
5 E Henderson, Rusk County	24								Lightning
									Lightning killed 11 white-faced cows, six calves and a large brahma bull on the Boyd Siler farm five miles east of Henderson. Siler said the animals were standing in a draw in a large pool of water when the bolt hit. He said the lightning did not strike a tall tree nearby, but chose the low-lying draw instead. The animals were valued at five thousand dollars.
4 SW Nederland, Jefferson County	24	8:55 a							Funnel aloft
Beaumont-Port Arthur area, Jefferson County	24	9:00 a-11:30 a							2 Funnels aloft
Near Baytown, Harris County	24	3:00 p							Funnel aloft
20 SE Canadian, Hemphill County	24	4:00 p							Funnel aloft
SE King County	24	10:00 p-12:00 a							2 Funnels aloft
									One funnel traveled from west to east, the other from northwest to southeast. Neither funnel touched ground.
Near Hooks, Bowie County	25	3:50 p							Funnel aloft
4 S Devers, Liberty County	26	8:45 p							Funnel aloft
1 S Big Spring, Howard County	26	8:57 p							Funnel aloft
Near Kountze, Hardin County	27	4:55 p							Funnel aloft
Near Lumberton, Hardin County	27	5:10 p							Funnel aloft
4 N Dublin, Erath County	29	4:30 p			0	0	4	0	Lightning
									Lightning struck a new addition to the George Smith farm home four miles north of Dublin. The fire which resulted caused extensive damage to the addition, and smoke damage was heavy throughout the rest of the house.
Near Bushland, Potter County	31	7:40 p							Funnel aloft
N Amarillo, Potter County	31	7:40 p							Funnel aloft
Snyder, Scurry County	31	6:30 p			0	1	0	0	Lightning
									Steve Gressett, 8-year-old son of Mr. and Mrs. Don Gressett of Snyder was swinging from a low-hanging tree limb in the front yard of their home when lightning apparently struck the tree. He suffered burns on his back, face, stomach and legs but was reported in "satisfactory" condition at Cogdell Memorial Hospital.
Near Boys Ranch, Oldham County	31	7:50 p							Funnel aloft

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1972

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					KILLED	INJURED	PROPERTY	CROPS	
<b>UTAH</b>									
Utah and Salt Lake Counties	1	Aftn			0	3	4	0	Lightning
			Lightning damage was reported from scattered areas in Central Utah. In Payson lightning struck and killed instantly 5 valuable cattle. In Provo a woman walking across her yard was knocked to the ground but sustained only minor injuries. A few moments later a bolt struck a tree in the same community, knocked a limb through a bedroom window showering two children with broken glass. Other than a few cuts the children were not seriously injured. In South Salt Lake County a storage building at an outdoor movie theater was struck causing a fire which seriously damaged equipment stored in the building.						
Riverton, in South Salt Lake County	2	Aftn			1	0	0	3	Lightning
			A migrant Mexican farm worker was struck by lightning and killed and a companion knocked to the ground while weeding sugar beets on a Riverton farm.						
Banida, in Cache County									
			Lightning started a fire in a wheat field ready to harvest which destroyed much of the crop.						
18 miles west of Ogden, Weber County	15	12:15							Hail
			An aircraft pilot at 14,000 feet on the approach Glide Path to Hill Field encountered hailstones an inch and 3/4 in diameter. No damage was reported and no surface reports were obtained since the area is over uninhabited Great Salt Lake.						
<b>VERMONT</b>									
State	9	p.m.			0	0	5	4	Wind, lightning, hail
			Locally severe thundersqualls in many communities. Burlington and vicinity especially hard hit. Falling trees knocked out utility service to most of Burlington. A narrow path of destruction about 0.1 mile long near the Burlington airport appeared possibly to be due to a small tornado just before 3 p. in an eastward direction, but no visible funnel was reported. Considerable hail, ranging up to 3/4th inch size, with most damage in northern portion. Boats damaged by winds and waves along the Lake Champlain shore. A cottage roof was damaged on Maquam Shore near Swanton. A factory chimney blew down in Winooski.						
Fairlee, Lake Corey, Bradford	9	2:45 p.	4	25	0	0	4	0	Tornado
			Path to northeastward with intermittent damage. Cottages damaged on both sides of Lake Corey.						
State	25	p.m.			0	0	4	0	Wind, lightning
			Locally severe thundersqualls. Wind felled trees. Lightning strikes included a church in Irasburg. A car was hit by a falling tree in Fairfield.						
Central and south	27	p.m.			0	0	4	0	Lightning, rain
			Lightning damage included a barn burned in Randolph Center and a church struck in Orwell. Locally heavy rain caused some washing and flooding.						
			None reported						
<b>VIRGIN ISLANDS</b>									
			None reported						
<b>VIRGINIA</b>									
Henrico County	2	2 P.			0	0	3	0	Wind, hail
			High winds broke the tops out of trees, knocked down a telephone pole, and crushed a truck trailer. Three-fourth inch hail was reported with the storm.						
Winchester	7	Aftn.			0	0	3	0	Wind
			Two thunderstorms struck the Winchester area, one at 4 p.m. and one at 5 p.m., knocking down trees and limbs and disrupting utility service. One house and two cars were damaged by falling trees.						
Bristol	18				0	0	4	0	Lightning
			Four separate storms struck the Bristol area knocking out transformers and disrupting electric service. A cablevision firm reported massive damage with 39 separate pieces of equipment damaged.						
Warren County	25	3-4 P.			0	0	4	0	Lightning, wind, rain
			Lightning caused three fires in Front Royal, one in the Happy Creek area of Warren County, and numerous utility outages. Damage was						
<b>VIRGINIA (continued)</b>									
			minor except for a barn which was destroyed in the Warren County fire. Heavy rain caused street flooding but with only minor damage.						
Virginia Beach	31				0	0	?	0	Surf
			Swimming was prohibited at Virginia Beach due to a heavy surf generated by hurricane Carrie 350 miles east of Cape Hatteras. An estimated 6 to 8 inches of beach sand was lost when the high tide reached the boardwalk.						
<b>WASHINGTON</b>									
			None reported.						
<b>WEST VIRGINIA</b>									
Gilbert, Mingo County	18	2-5 p.m.			0	0	7	0	Flash floods
			Flash floods isolated 200 persons living near creeks, washed out 200 automobile bridges and 500 small foot bridges, damaged or destroyed 600 buildings and about 35 miles of road. The flash floods and landslides were caused by heavy thunderstorms. The damage was centered around Gilbert but occurred in parts of the four-county area bounded by Mingo, Logan, Boone and McDowell Counties. More than two dozen landslides occurred, mostly on West Virginia Route 80 between Man, Logan County and Gilbert. Local residents blamed most of the damage on hill-top strip mine operations and pond failures but industry spokesmen blamed it on heavy rainfall.						
<b>WISCONSIN</b>									
Southern Counties	1-2				0	0	5	0	Rain
			Heavy rains measuring 3 to 6 inches locally caused minor overflow of streams in southern Wisconsin.						
Oconto, Brown, Kewaunee and Door Counties	8	PM			0	0	4	0	Flooding
			Strong northeast winds over the Bay of Green Bay cause heavy set up and flooding along shoreline areas. Also damage to docks and boats and sea walls.						
Columbia County	11	0100			0	0	4	0	Lightning
			Residence in Rio burned to ground after struck by lightning. Damage about \$20,000.						
Door County	11	0130			0	0	5	0	Lightning
			Baileys Harbor Supper Club burns to ground from fire believed caused by lightning.						
Sheboygan County	11	0330			0	0	4	0	Lightning
			Town of Sheboygan home damaged by lightning fire. \$15,000 damage to house, garage and new car.						
Lafayette County	11	AM			0	0	3	0	Lightning
			Nine registered Herefords on Donahoe Farm at Darlington killed by lightning. Cattle had huddled under tree during storm.						
Crawford County	11	AM			0	0	5	0	Lightning
			Sawmill near Rising Sun was extensively damaged in fire caused by lightning. Loss estimated at \$50,000.						
Vernon County	11	AM			0	0	4	0	Lightning
			House in LaFarge badly damaged by lightning fire.						
Crawford, Richland, Vernon, LaCrosse and Monroe Counties	11	1800-2000			0	0	4	5	Rain, hail
			Heavy rains caused flooding along Sand Creek, MillCreek, Council Creek and the Lemonweir River. Hail damaged tobacco at Mount Sterling, Yankeetown and Soldiers Grove while some apples were bruised in the Gays Mills area. 2 horses and a cow killed on pasture near Dodgeville in Iowa County.						
Richland County	11	1830	4	50	0	0	4	0	Tornado
			Public report tornado moving SE-ward about 5 miles west of West Lima.						
State	14	0900-1500			0	1	6	0	Wind, Rain, funnels aloft
			Strong squall line moved southeastward diagonally across the state from northwestern counties during the morning hours across Central Wisconsin around noon to southeast corner of state by mid-afternoon. Most serious wind damage occurred in Wisconsin Rapids area where winds gusted at 70 miles per hour. Four persons escaped injury as their small plane crashed during storm at Necedah Airport. Another small plane flipped over and injured pilot slightly when she attempted emergency landing in Rayfield in northern Green County. Heavy rains in Kenosha, Racine and Walworth Counties caused some localized flooding. Reports of funnels aloft came in from many points.						
Northern Counties	15-16				0	0	6	0	Rain, wind
			Very heavy rains from Duluth-Superior area ESE-ward across northern tier of counties to the Iron Mountain, Michigan area. Flood damage to roads and private property estimated at near \$1,000,000. Wind damage occurred early on the 16th north of Tomahawk.						
Waupaca, Outagamie, Brown, Kewaunee Counties	16	1600-1800			0	0	5	0	Wind, lightning
			Strong winds accompanying severe thunderstorms did widespread light damage at Clintonville, Kaukauna, DeBere and other towns. Lightning fire burns barn at Casco to ground.						
Douglas County	16	1830			0	0	0	0	Funnel aloft
			Funnel aloft reported 3 S Maple or 6 W Brule.						

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<b>WISCONSIN (continued)</b>									
Taylor County	17	2345			0	0	3	0	Lightning gutted garage and car in Rib Lake.
Washburn County	18	0430			0	0	4	0	Extensive tree damage occurred with early morning thunderstorms in the Trego area. A camper in nearby park blown apart.
Waupaca, Winnebago and Fond Du Lac Counties	18	1630			0	0	5	4	Hail from golf ball to baseball size fell at 1630 south of Manawa doing damage to cars, homes and campers. Also some crop damage in area. Wind damage occurred in the Oshkosh area at 1700 at Fond Du Lac at 1745 as these storms moved SE-ward.
Monroe County	19	AM			0	0	3	0	Lightning Four milking cows killed by lightning under a tree on farm near Cashon.
Lafayette County	20	AM			0	0	4	0	Lightning Eleven milking cows killed by lightning on one farm and four on another near Darlington.
Manitowoc County	21	1510	12	50	0	0	4	0	Tornado Small tornado touched down near Highway 147 and Goodwin doing damage to Van Koevring residence and uprooting 5 large trees in yard. Tree and wire damage occurred along Highway 147 one mile south of Mishicot and near Highway 42 and Shambeau Road north of Two Rivers. Tornado moved eastward out over Lake Michigan.
St. Croix County	21	0240			0	0	4	0	Lightning Eighteen dairy cows killed by lightning under trees in pasture on Blomberg Farm in Town of Forest north of Glenwood City. Six cows killed by lightning in same spot one month earlier on July 21.
Southeast half of State	25-26				0	0	6	0	Rain Heavy rain which locally measured 3 to 6 inches caused widespread minor flooding of streets and basements over scattered areas within the southeast half of state. The Beloit area was particularly hard hit with several large industrial plants forced to close for the day. Locations as far north and west as Virgona experienced heavy rain and flooding.
State	1-31				0	0	0	7	Rain Frequent heavy rains across Wisconsin during both July and August and the lack of suitable drying weather caused extensive losses and deterioration of quality second crop hay and oats.

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					KILLED	INJURED	PROPERTY	CROPS	
<b>WYOMING</b>									
Laramie	1	8:30 p.							Funnel aloft.
									A funnel aloft was spotted 4 miles south of Laramie, reported by police.
Worland	2	10:25 a.							Funnel aloft.
									A funnel aloft was reported just northwest of Worland.
Casper	8				0	0	0	0	Hail Hail up to 1 1/2 inch fell in western Casper doing damage to roofs, gardens, trees, shrubs and cars.

- ° 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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