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STORM DATA

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Asheville, N.C.

1972

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1972

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
Jefferson County	2	8:30 p			0	0	0	0	Hail
									Hail up to 13/4 inches in diameter fell for a brief period over western part of county.
Columbiana, Shelby County	3	7:10 p							Funnel Cloud
									Public reported funnel cloud and heard roaring sounds.
Troy, Pike County	3	10:30 p	174	200	0	0	5	0	Tornado
									Tornado struck mobile home park on U. S. Route 231 south of town destroying mobile home, heavily damaging two, with lesser damage to two others. Witness saw funnel cloud approach the park accompanied by much lightning.
Snead-Douglas-Geraldine areas, Blount, Marshall and Dekalb Counties	22	3:30 p			0	0	4	C	Wind, Electrical
									High winds struck first at Snead in northeast Blount County, destroyed two houses and an auto and moved northeast. Four registered cows and two calves were killed by lightning at Geraldine.
Littleville, Colbert County	22	Evening			0	0	4	0	Electrical
									Lightning struck homes, two burned, another badly damaged and one with slight damage.
Headland, Henry County	24	1:00 p			0	1	0	0	Electrical
									Man was struck by lightning after seeking shelter under a tree.
Birmingham	24	1:30 p			3	3	4	0	Wind
									Sudden high wind during thunderstorm caused 30x500-ft concrete-block wall at construction site just north of city limits to topple. All of dead and injured were workmen along or atop the wall.
35 Miles Southwest Mobile, Open water	27	7:30 a							Waterspouts
									Pilot witnessed several waterspouts in progress but they apparently remained offshore.
ALASKA									
3 NE Aniak	8	4:00 p-5:00 p	?	?	0	0	0	0	Hailstorm
									Hail size measured at 5/8 inches diameter. Covered the ground like snow, remained for some time. No report of damage.
10 S Farewell	13	1:28 p							Funnel aloft
40 N Willow	24	?	?	?	0	0	0	2	Hailstorm
ARIZONA									
Graham County	15	Evening			0	0	4	5	Wind, rain and hail
									Strong winds destroyed an unoccupied mobile home near Eden. An estimated 100 acres of cotton were severely damaged by rain and hail near Pima and numerous irrigation canals and ditches were washed out.
Sun City (20 miles N)	17	1:00 a.			1	1	4	0	Wind
									Strong winds accompanying a thunderstorm demolished two mobile homes. One of them was unoccupied, but a man in the other mobile home was killed and his wife injured during the storm.
Tempe (30 miles SE)	23	5:30 p.			0	0	0	0	Tornado
									Funnel cloud touched ground for about 30 seconds over open desert country.
Tucson	27	7:15 p.			0	0	5	0	Wind and rain
									Strong winds destroyed two horse stables and damaged about twenty homes in a subdivision in northeast Tucson. Several homes lost roofs and carports, and heavy rains accompanying the storm damaged exposed interiors. About a dozen power poles were blown down by the wind.
Globe (near)	30	8:00 p.			0	0	4	0	Wind
									Winds associated with a thunderstorm damaged roofs and carports in the Gila Pueblo residential area south of Globe.
ARKANSAS									
Near Magazine, Logan County	1	11:30 a.							Funnel cloud
									Funnel cloud reported by State Police 6 miles east of Magazine moving east at 25 miles per hour. Apparently did not touch ground.
Near Atkins, Pope County	1	11:30 p.							Funnel cloud
									Funnel cloud crossed Crow Mountain west of Atkins and moved northeastward passing to north of town. Possibly touched down on mountain but no damage occurred.
ARKANSAS (continued)									
Cavanaugh, Sebastian County	1	12:07 p.							Funnel cloud
									Funnel cloud reported by public. Not observed to touch down.
Conway area, Faulkner County	1	1:15 p.			0	0	0		Hail
									3/4 inch hail reported 5 miles east of Conway.
Morrilton, Conway County	1	1:15 p.							Funnel cloud
									Funnel cloud reported 1 1/2 miles north of Morrilton.
Morrilton, Conway County	1	2:00 p.	1/4	100	0	0	5		Tornado
									Tornado apparently skimming just above the ground struck and heavily damaged a large store. Tip of funnel cloud was seen to strike the store pulling off large sections of the roof, breaking windows and scattering debris over an adjoining parking lot. Contents of the store were rated a complete loss from rain accompanying the storm. Although there were 250 people in the building, no injuries were reported.
Berryville, Carroll County	1	4:30 p.	1/4	100	0	0	4		Tornado
									Tornado observed moving from northwest to southeast. Funnel estimated to be 40 feet in diameter remained mostly above ground but occasionally touched down unroofing houses, blowing down trees and breaking windows. Twenty-seven houses or businesses were damaged.
Elytheville, Mississippi County	1	4:45 p.			0	0	0	0	Hail
									3/4 inch hail 2 miles south of Elytheville.
Hynes area, Cross County	1	4:55 p.							Funnel cloud
									Funnel cloud aloft reported by public east of city.
Oil Trough, Independence County	2	2:00 p.			0	3	4		Wind
									Three people injured when mobile home overturned by strong wind during thunderstorm.
Walnut Ridge, Lawrence County	2	3:35 p.							Funnel cloud
									Funnel cloud aloft reported by police at Walnut Ridge. Movement unknown.
Near Havana, Tall County	2	5:50 p.							Funnel cloud
									Funnel cloud aloft reported by public northeast of Havana. Movement unknown.
De Witt, Arkansas County	3	11:30 a.							Funnel cloud
									Several persons sighted funnel cloud near De Witt, 30 miles east of Pine Bluff. Apparently did not touch down. Movement unknown.
Hot Springs, Garland County	3	12:16 p.							Funnel cloud
									Sheriff's department reported funnel cloud 7 miles west of Hot Springs.
Gabot, Lonoke County	3	1:42 p.							Funnel cloud
									Funnel cloud sighted by observer at Little Rock Air Force Base moving from northwest to southeast. Funnel also reported in eastern Lonoke County at 2:00 P.M. was probably same one.
Arkadelphia, Clark County	3	5:30 p.							Funnel cloud
									Funnel cloud reported by public 2 miles east of Arkadelphia
Sherrill, Jefferson County	29	1:05 p.							Funnel cloud
									Pilot reported sighting funnel cloud 5 miles west of Sherrill. Apparently did not touch down.
Pine Bluff, Jefferson County	29	2:47 p.							Funnel cloud
									Three funnel clouds sighted, one 10 miles east-northeast of Pine Bluff and two 18 miles southeast of Pine Bluff. None were observed to touch down. Movement unknown.
Near Ashdown, Little River County	29	6:50 p.							Funnel cloud
									Funnel cloud reported by state police 10 miles east-northeast of Ashdown. Movement unknown. None reported.
CALIFORNIA									
COLORADO									
Sterling	3	11:00 p.			0	0	3	0	Lightning
									Struck and set afire a 1500 barrel oil storage tank, completely destroying it.
Logan County	6	5:05 p.			0	0	0	0	Tornado
									Tornado first sighted about 13 miles southeast of Sterling and moving in an easterly direction. No reported damage.
Logan County	7	6:50 p.			0	0	3	?	Tornado
									Tornado spotted 14 miles northwest of Sterling. Several buildings slightly damaged.

See reference notes for all pages at end of table.

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
COLORADO (continued)										FLORIDA (continued)									
Conejos County	7	Afternoon			1	0	0	0	Lightning	Zephyrhills Pasco Co.	03	abt 4:15p			0	0	4	0	Lightning
									A resort lodge guide and two of his horses were killed when struck by lightning. Several other persons were temporarily stunned, but apparently uninjured.										Lightning was the cause of a fire which leveled "The Gallery", an art and ceramics studio. The building was valued at about \$15,000 exclusive of contents. No injuries were reported.
Greeley	10	Afternoon			0	0	4	0	Wind	6 SE Ft. Lauderdale	03	5:14p							Funnel aloft
									The Greeley Information Center was totally destroyed by a gust of wind.	5 SW Gainesville	04	4:52p							Funnel aloft
Colorado Springs	18	4:30 p.			0	0	5	0	Hail, heavy rain	Ft. Lauderdale	05	8:13a							Funnel aloft
									3/4 inch hail was reported from two separate hail storms near Colorado Springs. There was heavy damage to roads and bridges as up to 4 inches of rain fell over isolated locations.	Near Sanford 18 N Orlando	05	5:05p	1/4	50	0	3	4	0	Tornado-lightning
Seibert	23	5:00 p.			0	0	0	?	Hail										A fertilizer warehouse and seeds and chemicals was destroyed by high winds and a tornado. The warehouse was valued at \$10,000 and chemical and seed loss runs \$30,000 or more. Three men were hurt slightly by a lightning bolt.
									1 3/4 inch hail reported in Seibert.	18 NW Miami	05	6:26p							Funnel aloft
Mount Evans	24	Afternoon			0	3	0	0	Lightning	Miami	06	1:25p							Funnel aloft
									3 climbers were slightly injured by lightning while climbing on Mount Evans.	2 N Orlando	06	4:00p							Funnel aloft
Washington County	25	1:30 p.			0	0	0	0	Funnel, heavy rain, hail	18 SE Ft. Myers	06	6:15p							Funnel aloft
									Severe thunderstorm with heavy rain, 3/4 inch hail, and a funnel cloud 1/4 miles south of Otis.	Jacksonville	09	about 10:45a			0	1	0	0	Lightning
Arapahoe County	25	6:29 p.			0	0	0	0	Funnel										A sixteen year old youth was struck by lightning at the St. John's River north jetty. Prompt action in giving first aid by two other youths that saw the accident was credited with saving his life.
Adams County	26	11:00 a.			0	0	0	0	Several funnels	20 W Miami	09	12:10p							Funnel aloft
Monte Vista	26	5:30 p.			0	0	1	?	Hail	25 SW Tampa	09	about 4:15p							Funnel alofts & waterspouts
									Hail, 3 to 6 inches deep in spots, fell over a 1/2 mile stretch of US 485 north of Monte Vista. Damage to the potato crop was severe.	5 N Palm Beach	10	5:25p							Funnel aloft
Trinidad	27	4:30 p.			0	0	?	?	Hail	Near Key West NAS 8 NE Key West	11	5:11p							Waterspout
									1 3/4 inch hail reported in Trinidad, and 2 3/4 inch hail fell about 80 miles east of Trinidad 3 hours later.	Chattoochee	12	2:30p							Funnel aloft
Briggsdale	27	2:40 p.			0	0	0	0	Funnel	Key West NAS	12	4:45p							Funnel aloft
									Funnel sighted 8 miles north of Briggsdale.	20 NE Miami	13	7:15a							Waterspout
Hudson	31	4:40 p.			0	0	0	?	Hail	W Anclote Key 22 NW Tampa	13	8:20a							Waterspout
									1 inch hail reported 3 miles northeast of Hudson.	Ruskin Hillsborough Co.	13	daytime			0	0	4	0	Wind Damage
General									Numerous lightning-set fires throughout the month burned several thousand acres of timberland in the mountains, as extremely dry weather created a very high fire potential in the higher elevations. The worst of these fires was in Mesa Verde National Park early in the month, with a second large fire near Rangely, toward the end of the month.	Haines City 32 SW Orlando	13	2:10p	1/4	50	0	0	3	0	Tornado
CONNECTICUT										FLORIDA (continued)									
Brooklyn, Danielson, Windham Co.	8	4:30 p.-5:15 p.			0	0	3	3	Hail										A tornado touched down in Lake Hamilton area near Haines City and did an estimated \$3,500 damage when it ripped part of the roof off a contractors shed and collapsed a 100 foot radio tower and slightly damaged 3 autos from flying debris.
									Severe thunderstorms produced golf ball sized hail which blocked sewers and drains and caused some local flooding.	12 S Clermont Lake Co.	13	late afternoon			1	2	0	0	Lightning
Middletown, Middlesex Co.	21	6:25 p.	1	50	0	0	3	0	Tornado										A man was killed when he was struck by a lightning bolt while standing in a field. His two companions were injured. The men were measuring a snake they had killed when the lightning hit.
									Tornado, rising and lowering several times on a rapid southeasterly course in residential southeastern Middletown damaged several houses and outdoor furniture before it touched down briefly in a wooded area where a number of trees up to 2 feet in diameter were sheared off at their bases.	Deland Volusia Co.	15	afternoon			0	0	4	0	Wind damage
Southern New Haven County and parts of Windham Co.	25	Late afternoon			0	0	4	0	Lightning, wind										High winds did damage to a fish camp. Winds hurled several pieces of lumber through 2 house trailers at the camp and destroyed one shed. The shed did some damage to two boats when it collapsed. No one was injured but damage estimated into the thousands of dollars.
DELAWARE										FLORIDA (continued)									
Northern portion	8	Evening							Hail	68 NE Clewiston 40 W Palm Beach	16	about 11:00a							Waterspout-Funnel aloft
									Scattered hail was reported. The Millford cooperative observer noted 0.5 to 0.75-inch hail covering the ground. No damage was indicated.	Hollywood Broward Co.	16	daytime			1	1	0	0	Lightning
State	13	Morning							Rain										Lightning struck a Hollywood golf course killing one golfer and injuring another while they were standing under a tree.
									Some locally heavy thunderstorm rainfall was reported. A total of 3.27 inches was recorded by the Middletown cooperative observer. No reports of damage were received.	Near Youngstown 21 NNE Panama City	17	11:40a							Funnel aloft
FLORIDA										FLORIDA (continued)									
Moore Haven Glades Co.	01	daytime			0	1	0	0	Lightning	6 N Key West	19	2:42p							Waterspout
									A man was slightly injured by lightning while fishing. Lightning apparently hit the boat knocking him overboard and leaving small burned spots on his neck, shoulders and stomach.										
Tallahassee	01	7:46p			0	0	4	0	Wind damage										
									Four planes were damaged and one mobile home destroyed when wind gusts up to 46 miles per hour swept over the Tallahassee Airport. Damage estimated to be over \$10,000.										

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					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS		
FLORIDA (continued)											GEORGIA (continued)										
20 SW Yankeetown 60 SW Gainesville	19	3:06p								Waterspout	Jesup	24	5:00 p				0	0	4	0	Wind, lightning and hail
Near Ft. Myers	23	3:25p								Funnel aloft											Wind uprooted trees and damaged utility services for parts of the area. Heavy hail was reported south of Jesup.
10 NW Key West	23	7:26p								Funnel alofts (3)	Colquitt County	24	7:00 p				0	0	4	3	Wind
10 NW Key West	23	7:48p								Waterspout											Several large pecan trees were uprooted and tobacco was blown over in the Cool Springs area. Other property was damaged by falling trees.
Laurel Hill Okaloosa Co.	24	about 1:30p				0	0	6	0	Lightning	Lithonia, DeKalb County	24	Night				0	0	4	0	Lightning, hail and wind
Jacksonville	26	about 6:00p	1/4	30	0	4	0	0	0	Tornado	Rayle, Wilkes County	24	Night				0	0	4	0	Lightning
Wauchula Hardee Co.	30	about 6:30p				0	0	4	0	Lightning											A building and all contents, including a pickup truck, were destroyed by a lightning started fire.
High Springs Alachua Co.	30	evening				0	0	4	0	Wind damage	HAWAII Hilo Bay, Hawaii Island	4	3:43 p.				1	0	0	0	High waves
5 W Riverview 13 S Tampa	31	4:02p								Waterspouts (2)	Opihikao, Hawaii Island	6	3:25 p.				1	1	0	0	High waves
8 NW Orlando	31	about 9:15p								Funnel aloft	IDAHO North and East Cassia County	1	a.m.				0	0	4		Wind
Madison	2	7:15 p				0	0	4	0	Wind and rain	Banida area, Franklin County	3	Evening				0	0	2	3	Lightning
Athens	4	4:00 p				0	1	0	0	Lightning	Northern Idaho	6	Afternoon				0	0	4		Lightning
Macon	4	10:50 p				0	0	4	0	Windstorm	Ada, Canyon and Payette Counties	6	p.m.				0	0	4		Wind and Lightning
Augusta	5	3:23 p				0	0	4	0	Windstorm	Panhandle	18	p.m.				0	0	4		Lightning-Wind
Savannah, 30 ENE	6	11:00 a								Waterspout	Central Canyons and Prairies	18	p.m.				0	0	3		Lightning
Whitfield County	16	6:25 p								Funnel cloud	Southwest Oneida County	19	2:30 a.m.				0	3	3		Wind
Pearson	16	7:00 p				0	0	4	0	Lightning	NRTS 6SE, 25 mi. W Idaho Falls	20	1:25 p.-1:35 p.				0	0	0	0	Funnel Cloud
Bremen	23	6:00 p				0	0	4	0	Lightning and wind	Nezperce-Craigmont area, Lewis County	20	p.m.				0	0	3	4	Hail
Americus	24	2:30 p				0	0	4	0	Lightning and wind	Burley 29 mi. E, Cassia County	20	p.m.				1	3	3		Wind

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IDAHO (continued)									
Weiser, 6 NW, Washington County	24	a.m.			0	0		4	Lightning
A lightning caused fire burned approximately 500 acres of federally-owned range land.									
Idaho Falls, 30 W, Butte County	27	2:30 p.m.	1	10	0	0	0	0	Tornado
A funnel cloud touched down briefly in the Little Butte lava area 30 miles west of Idaho Falls raising dust and debris for a relatively short distance. No damage observed at site. Movement toward the southeast.									
Idaho Falls, 30 W, Butte County	27	2:45 p.m.			0	0	0	0	Funnel Cloud
Two funnels aloft were sighted following the dissipation of the one that touched down briefly. A photo was taken by NRTS personnel.									
Rupert, Minidoka County	31	Afternoon			0	0	3		Wind
Wind described as gale force toppled several large trees and did other damage to signs, overhead utility services when broken limbs fell across them.									
ILLINOIS									
Ashton	1	p.			0	0	?		Lightning
Ashton home struck by lightning with considerable damage.									
Alexander, Union, Jackson, Williamson Counties	1	p.	50	30			?		Wind, Heavy rain, funnel clouds
Power and telephone lines and trees down. Several roofs blown off. One machine shed destroyed. Winds up to 60 mph at Cairo.									
Nortonville, 1 1/2 m. S, Tazewell County	9	a.					3	3	Lightning
Barn destroyed by fire after lightning struck.									
Vandalia	10	a.					3		Lightning, heavy rain
Donnellson	10	a.					3		Lightning
Okawville	10	a.					3		Lightning
Hartburg, 5 N.	10	0215 p.							Funnel Cloud
New Baden, SE	10	a.					4	3	Heavy rain, hail (3/4) - Wind
Carport blown off. Minor flooding and crop damage associated with hail and heavy rain.									
Manito 2 m. NW	12	0940 p.	.5	130				3	Tornado
Localized damage. Low rumble heard.									
McHenry County, SE	12	p.						4	Heavy rain, lightning, wind.
Lightning resulted in fire in garage in Whispering Caks (\$1000). Tree fell across cabin cruiser near Fortens (\$2000). Numerous tree damage.									
Northern Cook County (Hoffman Estates to DesPlaines)	14	1100 p. - 1115 p.	18	?	1	?	?	6	Tornado, high wind, rain
Ottawa	14	1100	?	?	1		3		Tornado
This textual description covers the two previous reports as well as other storm reports. The two reports isolated above are most likely associated with tornado activity because of the frequent public sightings and the nature of the damage. They were associated with a line of severe thunderstorms which moved into the northwest portion of Illinois around 0900 PM Friday evening (14th) after producing storm damage in Wisconsin and Iowa. The line moved southeast across the northern two thirds of the state by Saturday morning. Reports of wind damage (68 mph at Moline) funnel clouds and lightning damage are too numerous to discuss completely, and occurred as far south as Granite City, Litchfield and Charleston. The hardest hit area was northwestern suburbs of Chicago where total damage reports exceeded \$3000,000. Few major but many minor injuries were reported. One death did occur in DesPlaines when a tree blew over on a car and its passenger. Rumbling noises accompanied the wind together with pressure-type damage. A large number of residential, commercial and public buildings were extensively damaged in northern Cook County.									
The Ottawa tornado was apparently associated with a brief touchdown and less damage. A funnel cloud observed in the lightning filled sky.									
Sumner, W.	15	3p.					4		Lightning
Lightning struck a large barn which was then destroyed by fire.									
ILLINOIS (continued)									
Camprove to Joliet	17	0415 p. - 0800 p.	90	200 (average)	0	0	6	6	Tornado, heavy rain, hail (1 in.) wind damage
This tornado system has an intermittent path and was very likely associated with multiple funnels. The width indicated above is for an individual confirmed funnel. The path of the storm damage, including high winds and hail was more in the order of 15 miles wide. A tornado was photographed twice between Streator and Ottawa around 0730 PM and there were numerous public reports of funnel clouds touching down. Pressure type damage as well as popping ears and roaring sounds were reported. The longest, continuous funnel touchdown was from near Camprove to just north of Henry, a distance of 15 miles. This occurred between 0415 PM and 0500 PM.									
1 m. W. Toulon to Princeton	17	0604 p. - 0630 p.	30	?	0	0	6	0	Tornado, heavy rain, hail (2in.)
Multiple funnel clouds were reported by the public. Short, brief touchdowns seemed to characterize the path of this tornado. Large hail was reported at Kewanee and Elmhurst with many windows and roofs damaged and much crop damage resulting in the surrounding area.									
Little Swan Lake (Warren County) to Elmwood	17	0630 p. - 0700 p.	30	?	0	0	4	?	Tornado, wind
Brief and spotty touchdowns were evident along the tornado path. One house and several trailers were destroyed near Little Swan Lake and a funnel cloud was reported by the public just west of Elmwood.									
Aurora to Winhurst (DuPage County)	17	0710 p. - 0800 p.	20	?	0	0	6		Tornado, heavy rain, wind damage, hail
Although there were numerous public reports of funnel cloud touchdowns, most of the damage seems to have been associated with high winds not tornado in nature. Also, heavy rain resulted in flooding and golf ball size hail was reported. The heaviest damage associated with this storm was in the Glen Ellyn - Southern Wheaton area where tree and property damage was widespread.									
Near Belvidere (Boone County)	17	p.						4	Lightning, heavy rain, wind damage
Kankakee, near (Kankakee County)	17	0710 p.						4	Funnel aloft, heavy rain, lightning, wind
Remarks on the severe weather of July 17: The preceding reports dated the 17th can all be related to the same large system of thunderstorms that moved eastward across the northern third of the state. The individual elements, such as tornadoes, generally were reported to have a east-northeast direction of movement. The Chicago area was again hit hard although not quite as hard as with the storms on the 14th. The heaviest damage this time seemed to be in the southwestern suburbs as opposed to the northwestern suburbs during the previous storm. Outside of the Chicago area, however, the damage was more severe, especially in the north central counties between Warren County and Chicago.									
This was the second evening of multi-million dollar storm damage to hit northern and central Illinois in a four day period. The surprising thing about the storms of the 17th was that no deaths or injuries were directly related to the severe weather.									
Mazon	20	0200 a.						4	Lightning
Lightning struck and started a fire in a rural home.									
Waterloo	27	p.			1	1			Lightning
A 10 year old girl was killed by a direct lightning strike. Her 12 year old sister was only slightly injured.									
INDIANA									
South Bend, 10 miles SE	2	E.S.T. 3:28p.							Funnel cloud
Decatur and Ripley counties	10	Early a.	?	?	0	0	4	3	Wind, lightning, hail
Two miles north of Millhousen, wind damage was heavy to one home and surrounding farm buildings. Also tree and power line damage was reported in Smyrna and New Pennington. Some wind and hail damage to crops was reported.									
Rensselaer	15	1:50a.							Funnel cloud
Funnel reported west of Rensselaer, near Interstate 65.									
Hamilton	15	2:15a.							Funnel cloud
Public reported funnel near Hamilton in Steuben county.									
Leo and Grabill areas	15	Early a.							Funnel cloud
Ft. Wayne area	15	4:00a.	?	?	0	0	4	0	Wind, rain
Damage of \$4,000 to St. Charles Convent when wind ripped off Chapel roof. Additional damage caused by rain. Numerous reports of minor damage to buildings.									
Delaware County	15	Early p.	?	?	0	0	4	3	Wind, lightning, rain

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KANSAS									
Trego County	1	4:45 a.							Funnel aloft
									Funnel aloft reported about 2 mi. SW of Wakeeney.
Southeast, south central portions	1	late aftr, eve			0	2	5	5	Wind, hail, lightning
									Wind damage to power lines, buildings, signs, etc. occurred at Pratt and from Harvey, Sedgwick, and Harper Counties southeast to Chataqua and Montgomery Counties. Lightning damage was reported in Harvey, Chataqua and Montgomery Counties. One man was injured by lightning southeast of Atlanta and another near Burron. Hail $\frac{1}{2}$ to $\frac{3}{4}$ inch diameter fell south of Sedgwick and in the Sedan area.
Osage County	2	5:10 p.	short narrow		0	0	0	0	Tornado
									Small tornado moving ESE, touched down briefly on the Kansas turnpike about 3 mi. E of Harveyville.
Osage County	2	late aftr, eve			0	0	3	4	Hail
									Hail up to $\frac{1}{2}$ inch in diameter fell in northern Osage County, causing moderate damage to corn, milo, and soybeans.
Wallace County	6	6:10 p. (MST)	short narrow		0	0	0	0	Tornado
									Tornado, moving east, touched down in open country 8 mi. north of Sharon Springs.
West central portion	9	aftr, eve			0	0	4	5	Hail
									A terrific hail storm hit in the Greeley-Wallace-Wichita County area, inflicting heavy damage to crops. Largest hail was $\frac{1}{2}$ -2 inches diameter.
Graham County	10	aftr, eve	8	4*	0	0	4	5	Hail, wind, rain
									Heavy rains estimated as high as 6 to 7 inches, much hail, and strong winds hit in parts of northeastern Graham County. Basements were flooded, crops suffered heavy damage, and some outbuildings were blown down.
Southwest portion	10	aftr, night			0	0	4	5	Hail, wind, rain, lightning
									Heaviest wind damage occurred at Ulysses and at Moscow. Flash floods were reported in the Satanta area after torrential rains occurred. Hail 1 to $1\frac{3}{4}$ inches diameter caused extensive damage to crops in Grant and Haskell Counties. Lightning damage occurred locally in Kearney and Pawnee Counties.
Republic County	10	midnight			0	0	4	0	Lightning
									A lightning-caused fire produced heavy damage to a house and contents at Belleville.
Reno County and eastern one-third	11	night of 12			0	0	4	3	Rain, lightning
									Locally heavy rains caused flash flooding in parts of Reno, Greenwood and Lyon Counties. A lightning-caused fire destroyed a barn and contents southeast of Bradford.
Osborne County	12	5:45 p.	short narrow		0	0	0	0	Tornado
									Tornado, moving south, touched down briefly NW of Paradise.
Trego County	12	about 6:00 p.							Funnel aloft
									A funnel aloft was reported south of Wakeeney.
Cloud County	12	7:10-8:30 p.			0	0	3	4	Hail
									Hail up to about 1 inch diameter was reported between Jamestown and Concordia.
Marion County	14	9:10 p.							Two funnels aloft
									Two funnels aloft occurred about $\frac{1}{2}$ mi. northeast of Marion.
Shawnee County	14	9:40 p.			0	0	3	0	Hail
									Hail up to $\frac{3}{4}$ inch diameter fell at Topeka.
Central, east central portions	15	early a.m.			0	0	4	0	Lightning, funnel aloft
									Lightning losses occurred at Salina, Paola, Junction City, near Dwight, and 4 mi. NW of Wilson. A funnel aloft was reported over Salina at 00:57 a.m.
Southern portion	17	aftr, eve							Four funnels aloft
									Funnels aloft were reported as follows: 6 SW Clarion at 4:00 p.m.; 8 N of Hutchinson at 6:55 p.m.; 15 NNE Cottonwood Falls at 6:48 p.m.; and 15 N of Hutchinson at 7:35 p.m.
Central portion and northeast one-fourth	17	aftr, night			0	0	4	3	Rain, hail, wind, lightning, funnel aloft
									Over 5 inches of rain caused local flash flooding in the Abilene-Chapman-Solomon area of Dickinson County. Lightning damage was reported at Ellsworth and in the Kansas City, Kansas area during the night. Damaging winds occurred in the afternoon at Ellsworth and in the evening in the Holton area. Hail caused some crop damage locally in Jackson County. A funnel aloft occurred at Kansas City, Kansas, at 7:40 p.m.

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	
KANSAS (continued)									
Sheridan County	20	2:00 p.	**670	35-65	0	0	3	0	Tornado
									Tornado, moving north, touched down 1 mile south of Hoxie.
Franklin County	27	about 5:00 p.			0	2	0	0	Lightning
									Two persons were injured at Lane when they walked under a tree just as it was struck by lightning.
Rooks County	27	11:45 p.	**880	100	0	1	4	0	Tornado
									Tornado, moving south, hit in West Plainville, a jeep was carried aloft by the storm and a mobile home was completely demolished when it seemed to explode.
Rooks, Russell Counties	27-	11:45 p.-28			0	0	5	4	Wind, hail, rain
									Extensive damage occurred in the Plainville area. Hail up to about $\frac{1}{2}$ inches diameter was reported at that location along with heavy rain and very strong winds. Wind damage was also reported about 7 mi. SSW of Russell.
Southwest portion	28	early a.m.			0	3	6	5	Wind, hail
									Moderate to strong thunderstorms moved through southwest Kansas in the early morning hours, causing 1 injuries and heavy wind damage at Satanta. A 330-foot tower valued at \$172,000 was toppled between Meade and Plains; minor structural damage was reported at several other cities including Plains, Ulysses, and Mead.
Haskell County	28	2:35 a.	$\frac{1}{2}$	440	0	7	5	0	Tornado
									Tornado, travelling SE, moved from the northwest corner of Sublette into the central business district. A gondola car was blown from the railroad tracks, several buildings were unroofed, and seven persons in mobile homes were injured.
Clark County	28	3:00 a.	$\frac{1}{2}$	narrow	0	0	4	0	Tornado
									Tornado, moving SE, caused miscellaneous damage to buildings, signs, etc. at Minneola. A parked truck, in gear, was moved two blocks and another was moved 50 feet.
Republic, Cloud Counties	28	4:00-6:00 p.			0	0	4	4	Hail, wind
									Hail and strong winds were reported in the Scandia-Norway area. Largest hail was $2\frac{3}{4}$ inches diameter about $1\frac{1}{2}$ mi. east of Scandia. Hail up to $\frac{3}{4}$ inch diameter fell at Concordia at 5:34 p.
Cowley County	28	8:00 - 9:00 p.			0	0	3	4	Hail, wind
									Strong thunderstorm winds and hail up to about $\frac{1}{2}$ inch diameter occurred in the Arkansas City area.
SPECIAL HAIL SUMMARY									
									Hail Loss Clearing House reports indicate hail was especially severe in the following counties on the dates indicated:
									1 Finney
									10 Stevens
									23 Marshall
									28 Haskell, Republic
KENTUCKY									
Graves County	1	6 p.							Funnel cloud aloft
									Funnel cloud reported shortly after 6 p.m. C.S.T. about 10 miles west of Mayfield, moving eastward.
Marshall County	1	Night							Funnel clouds aloft
									Benton police said 3 or 4 citizens reported what sounded like a roaring train north of town near U. S. 641. At least one of the persons was reported to have seen a funnel-type cloud moving above the area. There was a report of an aloft funnel in the vicinity of the Fairdealing community near Kentucky Lake.
South Central	2	p.			0	0	4	0	Wind
									There were a number of thunderstorms in the area (radar indication, moving eastward at 30 to 40 m.p.h.) in Warren County, the Bowling Green airport reported wind speed at 7 p.m. C.S.T. of 58 m.p.h. Three mobile homes in a mobile home park (5 miles northeast of Bowling Green) were damaged, one being unroofed and blown 100 feet. A number of trees were downed. There was minor damage at night in other counties, some of these being Allen, Metcalfe, Pulaski; most of this damage consisted of trees being blown down. A "roaring sound" was heard in Metcalfe County.
Simpson County	2	6:30 p.	1	20	0	0	3	0	Tornado
									On a farm on Neosho Road west of Franklin in western Simpson County, 3 witnesses observed a funnel cloud which, moving from the southwest, first dipped down to level several trees, moved over a 55-acre open field, then dipped down to unroof a large tool shed (depositing the roof 30 feet away and to left of path of funnel); then rose to dip down later and down several trees. The funnel width at the time it hit the tool shed was stated to be about 20 yards; the path length, about 1 mile. A thunderstorm was in progress; there was some small hail and rain after the passage of the funnel. No unusual sound was heard above the sound of the thunderstorm and the high winds associated with it.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
KENTUCKY (continued)									
Knox County	9	2:00 p.	6	*3/4	0	0	4	4	Hail
	A hail storm beginning at 2:00 p.m. E.S.T. and lasting about 20 minutes moved in a northeasterly direction from the Callihan community toward the Fount community along a path 3/4-mile wide and 6 miles long. Damage to real property was estimated at \$25,000; to field crops, \$30,000. Hail covered the ground in places from 3 inches deep to drifts as much as 12 inches deep. The average diameter of the stones was 3/4-inch, the largest stone being about 1 inch in diameter. Hail destroyed all leaves of a number of tobacco crops; completely destroyed gardens, even matured cabbage heads having their tops shredded open. Head-high corn was shredded as if a knife had cut it, leaving only stems and stalks standing.								
Northeast	9	p.			0	0	?	?	Hail, wind
	There were widely scattered thundershowers in the area. Heavy rain and hail hit a narrow strip along Ditony Ridge in northwest Morgan County in the afternoon, doing considerable damage to tobacco and other crops. To the northeast of this location, from about 4:21-5:15 p.m. C.S.T., high winds downed a number of trees and power lines along a narrow path from Grayson County northeastward into Boyd County, through Hitchens, Coalton and Ashland.								
Northeast	11	p.			0	0	?	?	Lightning, hail
	There were scattered afternoon thunderstorms in the area. In Mason County, at 1:30 p.m. E.S.T., fire set by lightning destroyed 2 barns. At Dover, an early evening, 30-minute hail storm damaged tobacco crops; at some locations the hail accumulated to several inches in depth in the street, most of the stones being thumb-size. In Fleming County in the afternoon, there was minor wind, hail, and lightning damage. At 1:52 p.m. E.S.T. in Clark County, there was lightning damage to a storage building. In Montgomery County, lightning struck a barn and 2 cows.								
Purchase Region	15				0	0	*5	C	Rain, flooding
	Heavy rains of from 3 to more than 6 inches fell on the greater part of the Region in western Kentucky. In Fulton County from 4 to more than 6 inches of rain in a 24-hour period were responsible for considerable damage to crops. Some 2 to 3 thousand acres, mainly soybeans but some cotton, were reported destroyed. There was also considerable erosion damage.								
Southwest	15	Night			0	0	4	0	Wind, lightning
	In Hopkinsville, Christian County, wind was responsible for considerable damage to a house. In Simpson County a fire set by lightning destroyed a house.								
State	24				0	1	?	?	Lightning, wind, rain
	There were scattered thunderstorms over much of the State. Lightning damage was reported from scattered locations; some of the reports following. A man was injured by lightning in Owen County at 1 p.m. E.S.T. About 3:15 p.m. E.S.T., 2 barns were destroyed by fire in Mason County. About 4 p.m. C.S.T., a barn burned in Daviess County. At 7 p.m. C.S.T. a barn burned in Henderson County. In the afternoon a mobile home burned in Muhlenberg County. There was minor lightning damage at 3 locations in Laurel County (time not given).								
	Some of the wind damage reports from scattered locations over the State follow. About 3 p.m. E.S.T. wind unroofed two houses at Newport, Campbell County; there was also damage to trees and utility lines in the area. There was wind damage in the afternoon in Carroll County. In the late afternoon wind moved a mobile home off its foundation in Muhlenberg County; trees were downed in the Ashland area, Boyd County. In the evening wind downed trees in the Pineville area, Harlan County.								
State (continued)	24								Lightning, wind, rain
	At 8 p.m. C.S.T. wind downed trees in various portions of Allen County. About 4 miles east of Spottsville 3 mobile homes were moved off their foundations; 6 telephone poles and a number of utility lines were downed; trees were uprooted.								
	In scattered afternoon and evening thundershowers over much of the State, heavy rains were responsible for local flooding of some areas and/or streets. Some of the locations so affected were in Franklin (Frankfort), Harlan (Pineville), Madison (Richmond), and Union (Sturgis) Counties.								
Purchase Region	26	p.			0	0	4	?	Wind, lightning
	Associated with thunderstorm activity in the area, high winds in the Paducah area, McCracken County, toppled 4 concrete block walls under construction. There was wind damage to trees and utility lines. There was wind and hail damage to some gardens. In Hickman County at night fire apparently set by lightning destroyed a barn.								
Monroe County	26				0	0	?	?	Wind, lightning
	There was wind damage to trees, corn and tobacco crops. A barn burned, apparently set afire by lightning.								

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					KILLED	INJURED	PROPERTY	CROPS	
KENTUCKY (continued)									
State	27				0	0	?	0	Lightning, wind, rain
	There were scattered thunderstorms over the greater part of Kentucky. Some of the damage reports follow. There was wind damage in Henderson County, early night. Trees and power lines down; Daviess County, 4:45 p.m. CST, trees and utility lines down, large areas with power and telephone service; Monroe County, evening and night, trees down; Simpson County, night, 2 barns unroofed and trees down. Some of the lightning damage was in: Russell County, Blairs School-house section, mobile home burned; Monroe County, 2:15 p.m. CST, barn burned; Metcalfe County, 4:30 p.m. CST, barn burned; Barrren County, afternoon, barn burned; Hardin, Franklin and Nelson Counties, portions of, power off in electrical storms; Breckinridge County, barn burned and house damaged.								
Fulton County	27	10:30 p.			0	0	*5	C	Rain, flooding
	The National Weather Service Cooperative Observer at Hickman recorded 6.28 inches of rain as having fallen in the 24-hour period ending at 5 p.m. CST, July 28, 1972. A news account stated that over 6 inches of this amount fell in the 5-hour period 10:30 p.m.-3:30 a.m., July 27-28. Water entered over 43 businesses and homes in the western section of the city of Hickman. Families were evacuated from their homes. Damage to buildings was stated to be light to moderate and caused chiefly by mud.								
Monroe County	28	1:30 a.			0	0	4	0	Lightning
	A barn burned, apparently set afire by lightning.								
Carlisle County	28	Afternoon			0	1	0	0	Lightning
	During an electrical storm lightning struck a tree, travelled across a street and through the open window of a house; knocked a woman to the floor. "She was unharmed other than shocked for several seconds".								
Hart County	28	6:30 p.	1/4	20	0	0	3	0	Tornado
	A witness observed a funnel cloud form under a low-hanging dark cloud; dip down and move eastward for 2 to 3 minutes for a distance of about 4 city blocks on the west side of the city of Mumfordsville and then lift. The thin, narrow funnel damaged trees, twisted and damaged playground equipment, and removed shingles from roofs. An uprooted tree damaged a house. A thunderstorm preceded the tornado; there was no rain at the time of the touchdown. The touchdown was preceded by calm, very quiet conditions, according to witnesses.								
Cumberland County	28	8 p.			0	0	4	0	Lightning
	Lightning struck a house in the Burkesville vicinity, and it burned to the ground.								
Knox County	28	Night			0	0	4	0	Lightning
	Fire set by lightning destroyed a house in the Barbourville vicinity.								
Simpson County	28	Night			0	0	4	0	Wind
	About 8 p.m. CST in the Middleton area of west Simpson wind uprooted 6 trees; there was minor damage to a house; there was damage to tobacco and corn fields (a narrow path through the fields reported). About 8:30 p.m. CST some 6 miles south of Franklin on highway 31W wind unroofed 2 open storage sheds at a lumber yard, causing damage to sheds and contents estimated at about \$10,000.								
LOUISIANA									
Rapides Parish	1	6:30 p.			0	1	4	0	Wind
	Girl treated for shock after high winds destroyed fruit stand in which she was working at Alexandria.								
Calcasieu Parish	11	3:45 p.	1/4	30	0	0	4	0	Tornado
	A small tornado touched down briefly along Highway 90 near Chloe, east of Lake Charles. One mobile home destroyed, another damaged and several trees blown down. Storm accompanied by marble size hail.								
Rapides Parish	11	5:00 p.-6:30 p.	10	*3	0	0	4	5	Hail, rain, wind
	Major crop damage from heavy hail storms in Cheneyville-Lecompte-Latanier area. Hail 5/8 to 1 inch diameter from southwest of Lecompte north-northeastward. Hail covered ground over 1/2 mile wide strip. Cotton, soybeans and sugarcane stripped. Winds uprooted trees, knocked down utility poles.								
Washington Parish	13 & 15				0	0	5	0	Lightning, wind, rain
	Lightning, accompanying thundershowers, resulted in five house fires and damaged church steeple at Bogalusa on 13th. Three houses heavily damaged. Winds blew roof from ball park, and local flash flooding occurred on many streets from excessive rainfall. Another house gutted by lightning fire on 15th.								
East Baton Rouge Parish	25	3:25 p.			0	1	3	0	Lightning
	Construction worker injured by lightning on service station roof on Goodwood Blvd., Baton Rouge.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
LOUISIANA (continued)										
		FUNNEL CLOUDS REPORTED DURING JULY								
Calcasieu Parish	11	3:45 p.	10 miles northwest of WSO,						Lake Charles.	
Cameron Parish	13	5:44 a.	Near Holly Beach							
Lafayette Parish	13	10:09 a.	Five miles southeast of Lafayette.							
Iberia Parish	13	10:22 a.	Near Loreauville.							
Jefferson Davis Parish	16	11:15 a.	Near Welsh.							
Calcasieu Parish	17	1:50 p.	Near Sulphur.							
Calcasieu Parish	18	11:52 a.	Near Iowa.							
Lafayette Parish	18	2:32 p.	Near Maurice.							
Calcasieu Parish	28	4:53 p.	10 miles northwest of WSO,						Lake Charles	
Jefferson Davis Parish	29	1:25 p.	Near Welsh.							
Calcasieu Parish	30	7:52 a.	DeQuincy							
Calcasieu Parish	30	8:10 a.	Five miles east of Lake Charles.							
Calcasieu Parish	30	9:35 a.	Six miles south of WSO,						Lake Charles.	
Cameron Parish	30	10:15 a.	One mile east of Cameron.							
		WATERSPOUTS REPORTED DURING JULY								
Lake Pontchartrain	5	2:47 p.	Four miles north of Mpsiant Airport.							
Gulf of Mexico off Vermilion Parish	12	9:00 a.	Several waterspouts south of Russell Sage WLR.							
Terrebonne Parish	12	11:45 a.	Two waterspouts near Pt. au Fer Reef.							
Lafourche Parish	13	9:30 a.	Camandia Bay, west of Grand Isle.							
Plaquemines Parish	13	12:00 p.	Four miles south-southeast of Buras.							
Plaquemines Parish	14	5:00-5:11 p.	Three waterspouts: 2 miles southwest of Boothville, near Buras, and near Port Sulphur.							
Lake Pontchartrain	16	4:25 p.	Over extreme west end of Lake, moving north.							
Lake Pontchartrain	16	4:42 p.	Seven miles northwest of Moksant Airport.							
Lake Pontchartrain	30	9:10 a.	Several small waterspouts north of Lakefront Airport.							
MAINE										
Northern and western	3	p.m.		0	0	4	4		Wind, lightning, rain	
			Scattered heavy thundersqualls with loral damage. Some washing and flooding rains with up to 2 inches in an hour or two.							
Central	8	p.m.		0	0	4	0		Lightning	
			Scattered thunderstorms caused lightning losses, including a cow killed and a home near Farmington damaged.							
South Arm (Oxford County)	10	5 p.	1 30	0	0	3	0		Tornado	
			Easterly path across the first two islands south of Bailey's Point on Lower Richardson Lake.							
State	16-17			0	0	4	0		Lightning	
			Scattered thunderstorms caused mostly minor damage from lightning. Rainfall variable up to over 1 inch.							
East Sebago	24	7 p.	0.1 20	0	0	3	0		Tornado	
			Damaged two buildings at Camp O-AT-KA.							
Central and southwest	25	p.m.		0	0	5	0		Hail, wind, lightning	
			Heavy thundersqualls in some localities. Especially severe hailstorms in the Sebago Lake area and in the Hartland-Etna area. Hail up to 2 inch size damaged boats at Sebago Lake. Hail broke windws, gouged wooden siding, dented cars, stripped trees and destroyed garden, orchard and other crops. Hail accumulated to 6 inches deep at Hartland where this was said to be the worst hailstorm in memory. At Etna, rain washed hail into windrows or piles a foot deep, causing an unbelievable sight. Wind tore off a tannery roof at Hartland and deroofed a garage in St. Albans. Lightning damage mostly minor.							
MARYLAND										
Northeastern portion	8	Evening		0	0	0	4		Hail	
			Scattered moderate to severe hail was reported, particularly in Harford, Queen Anne's and Baltimore counties. Although most hail was reported between 0.5 and 1.0 inch, there was a photograph which showed hail exceeding the size of a 25-cent piece. In some places, covered the ground. Just north of Church Hill, Queen Anne's County, 20 farms were damaged; some trees in the area were stripped of their leaves. Damage was likely between \$15,000 and \$30,000.							
Northeastern portion including Washington D.C. metropolitan area	13	Morning		0	0	4	0		Rain	
			Heavy thunderstorm rainfall brought minor flooding to scattered areas. A rainfall of 4.55 inches was reported at Oxon Hill, Prince Georges County by 6 a.; total for the day was 5.92 inches. In Kent County the Chestertown cooperative observer reported 3.13 inches and minor flooding.							
MARYLAND (continued)										
State	13-25					10	?	0	0	Heat Wave
			The Baltimore City Health Department reported a total of 185 deaths were likely the result of this two-week heat wave. During the first week, July 14-20 there were 49 "excess" deaths and during the week, July 21-27, 136 deaths. These figures were based on an analysis of death certificates processed during the period. An average of 241 deaths would have been expected during the first week; the actual count was 290. An average of 224 deaths would have been expected during the second week; the total was 360. Death statistics from the State for July suggested that 84 persons in 23 counties may have died as a result of the heat wave. This was in addition to the 185 deaths cited above for Baltimore. Health officials said that many of the deaths occurred among the elderly with severe chronic conditions, such as heart disease. The ten deaths given in the table were ascribed directly to heat strokes.							
State including Washington, D.C.	17-21	7:00 a.-2:00 p.								Air pollution
			A National Weather Service air stagnation advisory was in effect during this period.							
MASSACHUSETTS										
Western and northern	3	p.m.				0	0	5	4	Rain, lightning, wind
			Heavy thundersqualls caused scattered lightning and wind damage and some locally washing and flooding rain. South Egremont reported 3.1 inches. A similar amount fell in a gage at Shelburn Falls. Road washouts hampered traffic and local flooding occurred in many areas. A store basement flooded in Haverhill. Wind felled trees and limbs, causing utility outages. Crops damaged by washing and flooding.							
Ashfield	3	2:30 p.	1 narrow	0	0	3	0		Tornado	
			Funnel small though path of damaged trees about 0.1 mile wide. Moved northeastward.							
Gill-Northfield	3	3:21 p.	3 10 to 20	0	0	3	0		Tornado	
			Funnel said to "bounce" to and from ground about 8 times in 1 1/2 mile path watched by one observer. Northeastward movement from Gill to Northfield, across Campus of Mt. Hermon Academy. Minor building damage; many trees hit. Funnel on ground estimated only a few hundred of feet high, not visibly connected with funnel aloft.							
Conn. River Valley and Northeast	8	p.m.		0	0	4	4		Wind, lightning, hail, rain	
			Scattered heavy thundersqualls. Wind felled trees and limbs and lightning strikes caused utility outages. Lightning set fire to a home in Andover. Considerable hail in Connecticut Valley with stones ranging up to 1 1/2 inches at Springfield. Hail in northeast up to 3/4 inch. One orchard's apple crop badly damaged. Local flooding and washouts, especially in the Lawrence, Methuen, Leominster and Springfield areas. Some roads closed by washouts and mudslides.							
Haverhill	17	1 p.		0	0	0	1		Dust devil	
			Whirlwind picked up a windrow of new mown hay.							
State	19	p.m.		0	1	6	4		Lightning, wind, rain	
			Heavy thundersqualls with unusual lightning activity. Many fires set, with 11 reported in the town of Wellesley alone. In Chelmsford lightning caused a minor injury by debris flying from a struck tree. In Spencer 4 horses were killed by lightning. Wind felled trees and limbs in many parts of the State, but Middlesex Co. was very hard hit. Many roads obstructed by fallen trees. Utility outages commonplace from fallen trees, with 20,000 customers out of service in just Greater Boston. Washing and flooding rain damaged crops, flooded roads, caused many washouts, and flooded numerous basements.							
Tyngsboro-Chelmsford	21	5 p.m.	8 35	0	4	6	0		Tornado	
			First seen as funnel aloft in New Hampshire, near the Merrimack River. Path on ground began in Tyngsboro and continued south-southeastward 4 miles or so into North Chelmsford before lifting and dropping again in South Chelmsford. Hundreds of trees in and near path uprooted or broken, with about 100 homes and some commercial buildings damaged. One large home completely destroyed. Damage path at times considerably wider than visible funnel, which some thought to be a "column of smoke." Almost unbelievably none were killed and none seriously hurt. Injuries were all slight but one or more were hurt during later clean-up operations. A smaller second funnel was reported, with some evidence of damage on the ground. There seemed to be a gap between the ground and aloft funnels.							
Lynnfield	21	5:22 p.	1/4 20	0	0	3	0		Tornado	
			Funnel briefly touched down, with witnesses not aware of any visible connection with clouds aloft. Trees down and some homes somewhat damaged.							
Northeast	21	p.m.		0	0	5	3		Rain, lightning	
			Washing and flooding local rain from same storm system which spawned the above tornadoes. A mudslide occurred at West Newbury. Severe flooding occurred in the Lynn and Swampscott areas. Considerable damage to goods in store basements. Cars floated in flooded streets in Lynn.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
MASSACHUSETTS (continued)									
Eastern	23-24				1	0	5	0	Lightning
		A series of thunderstorms continued into the night of the 23-24th, with many lightning strikes. One home in Cohasset was set afire, burning completely. A fire set in Malden caused one death. Many homes with minor damage. Utility service interrupted in many localities, with 15,000 customers affected in the Boston area.							
Northampton	25	p.m.			0	0	0	0	Funnel cloud
State	25	p.m.			0	0	5	4	Lightning, hail, wind, rain
		Heavy thundersqualls in many localities across entire State. Considerable lightning damage, with loss of several barns and with many house fires. Hail to 1 1/2 inch size reported in some Berkshire communities, with heavy crop loss and in the Pittsfield area much window glass broken. Lesser hail damage in other sections of State. Wind felled trees and limbs, tying up traffic and causing utility outages. Some reports of possible small tornado activity in Connecticut Valley, but no details available. Wind felled a radio tower in Provincetown and in Randolph damaged the steel framing of a building under construction. Wind gusted to 88 m.p.h. at Blue Hill in Milton and other reports from 57 to 75 m.p.h. were common over the State. Heavy rain caused washouts of roads and crops and flooded many cellars. Storms were spotty with some areas getting little or no rain.							
State	26	p.m.			0	0	4	0	Lightning
		Scattered lightning damage. A home was set afire in Northampton.							
MICHIGAN									
Mount Clemens, Macomb County	2	3:30 pm			1	3	0	0	Lightning
		A bolt of lightning struck in the midst of four persons at a lawn party. Three suffered minor injuries while the fourth, a 19-year old girl died from these injuries three weeks later.							
Traverse City, 12 SW, Grand Traverse County	11	4:10 am			1	0	0	0	Lightning
		A lightning strike, near the tent, is believed to be the cause of death for a 34-year old woman camping with her family.							
Northwest Lower Michigan	11	am			0	0	4	0	Heavy Rain-Lightning
		Series of thunderstorms moved across area, setting many small fires, cutting power services and shattering many trees. At McBain, near Cadillac, 21 cows worth about \$15,000 were killed under a tree while 3 others had to be destroyed because of extensive injuries. At Crystal Lake, near Frankfort, the highway was closed when four hours of heavy rain washed up to 30 inches of sand over the road.							
State-wide	11	pm			0	0	5	4	Thunderstorm-Hail-Lightning
		Scattered damage was reported in many areas as thunder-showers moved across the state. At Harrisville and Alpena, two youths received shocks from nearby lightning strikes but were released after examinations. Six fires were set by lightning near Kalamazoo, one destroyed an 82-year old church; at Owosso, large hail and heavy rain caused localized flooding; north of Card, in Tuscola County, 4 1/2 inches of rain and hail, up to golf-ball size, caused extensive damage to crops. This hail strip, about 4 miles wide and 10 miles long, left fields of small grains, corn and sugar beets almost barren. Pea-sized hail was reported in other areas.							
Lower Michigan	12	pm	pm		0	0	4	0	Thunderstorm-Wind-Lightning
		Spotty damage reported in many areas: at Highland, streets were flooded, a restaurant under construction had the roof blown off damaging two cars; Lapeer, a barn hit by lightning was destroyed, killing a pony and several pigs; Ypsilanti, two hangars and six planes were extensively damaged at McKenna Airport.							
Sandusky, 7 NE, Sanilac County	12	1:20 pm	1/10	10	0	0	4	0	Tornado
		Small tornado, moved eastward destroying one hangar, unroofing three others and the office at the Deckerville Airport. One nearby auto was damaged while parts of the roofs were found up to 500 feet away.							
DeTour, 15 NW, Chippewa County	12	pm			0	0	0	0	Waterspouts
		Waterspouts were observed between DeTour and Raber. A dozen trees down at Raber suggest one waterspout may have moved inland.							
MICHIGAN (continued)									
Southern Half Lower Michigan	14-15	pm-am			0	1	5	0	Lightning-Heavy Rain-Wind
		Widespread spotty damage was associated with thunderstorms. Larger losses include: Durand, 15 miles SW of Flint, \$40,000 when Truss company plant destroyed by lightning; Grand Haven, \$10,500 cottage destroyed by lightning; Stevensville, \$5,000 wind damage cabs and one boy was burned by downed wires; Mt. Pleasant, 3.91 inches of rain caused localized flooding; Lansing, \$5,000 loss when home was struck by lightning and Flint, \$250,000 where a barn was destroyed and a lumber yard was damaged.							
East Central Lower Michigan	16	4-6 pm			0	0	4	6	Hail
		Crop damage from hail was estimated at over 1/2 million dollars in Bay County. Hail ranging from pea-size to 1 1/2 inches and golf-ball size caused damage in south-east Midland, west central Bay, northern Saginaw and central Tuscola Counties. The largest single loss was in Tuscola County where a 3-mile wide, 20-mile long strip of hail reached up to 6 inches in depth, closed roads and broke many windows in homes. Grains, beets, corn and beans all suffered damage from the hail.							
Southeast Michigan Detroit Area	18	3:30-5:30 pm			1	2	5	0	Thunderstorm-Wind-Lightning
		Gusty winds, 50 knots observed, toppled a tree onto auto killing 10-year old boy at Highland Park. A lightning bolt struck at the Pontiac Country Club, burning one golfer on the arm, hand, chest and also holes in his socks as the charge exited through the spikes in his shoes. Three companions were knocked to the ground but not injured. Other wind damage included overturned trailers, swamped boats on Lake St. Clair and local flooding and small lightning-set fires. Total damage was estimated at \$200,000. A 3-year old boy was burned when service power lines fell around him during the storm. Minor damage was reported in many other out-state areas.							
Rock, Delta County	20	3:25pm	3/4	70	0	1	5	0	Tornado
		Small tornado moved ENE touching ground just E of M35. West of M35 for 5 miles, some trees were twisted off 40-50 feet above the ground. Two trailers and about 20 garages and sheds were demolished with one person injured. Windows of nearby homes were popped out, one house with all its windows and frames popped out suffered little other damage. A small barn, 100 feet away, was completely destroyed except for a water pipe & hose inside that was untouched.							
Escanaba, 22 WSW, Menominee County	20	3:05 pm			0	0	0	0	Funnel Aloft
		Funnel aloft reported by cooperative observer at Spalding.							
Kalkaska County	30	?			1	0	0	0	
		16 year old youth struck by lightning and killed at scout camp near Kalkaska while unloading boat.							
Newberry to Sault Ste. Marie, Luce and Chippewa Counties	31	1:30 pm			0	0	0	0	Hail
		Hail stones, up to 1-inch diameter with clusters up to 1 7/8-inch across, were reported to cause little damage in this sparsely settled area.							
MINNESOTA									
Mahnomen 4SW Mahnomen County	10	5:57 p	1/4	50	0	0	4	0	Tornado
		Funnel touched down on two farms just north of Wild Rice River destroying two barns, silo and some small buildings and badly damaged a house. The funnel moved eastward and remained aloft for about 30 minutes after it touched down. Golf ball and baseball size hail fell before the tornado touched down.							
Duluth	11	11:00 p			0	2	0	0	Lightning
		Two teen-age girls standing on 5th St. and 39th Avenue West in Duluth were struck by lightning and knocked unconscious. After mouth to mouth resuscitation they were hospitalized.							
West Central thru South Central	11-12	Afternoon Early Morning			0	0	5	5	Heavy rain, winds and hail
		Heavy rains of 4 to near 7 inches from just north of Fergus Falls thru Osakis to South of Melrose washed out many culverts and caused considerable crop damage, soil erosion and also flooded many basements. Heavy rain, hail and strong winds occurred across the southern two-thirds of Minnesota during the night. At 10:30 pm							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1972

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MINNESOTA (continued)									
Statewide	22	All Day			0	0	5	5	Wind and rain lightning, tornadoes
<p>A cold front orientated southwest-northeast moved across the State with high winds and heavy rains in several areas. At 10:30 am, strong winds broke off trees and caused 14 utility line breaks around Bagley; at 11:30 am a mobile home was overturned by winds on the west edge of Bemidji; lightning killed a cow at Ottertail and struck a police car in Perham, it paralyzed the policeman for a short period; at 3:05 pm winds overturned a mobile home at Pillager also many trees were blown down-all laid eastward; about 5:00 pm heavy rains of 3-5 inches fell across Isanti and Kanabec Counties northeast into Wisconsin adding to the previous 12 to 24 hour rains which is the probable cause of the Knife Lake Dam to break at Mora on July 24th. Rainfalls of 2 inches were common along the cold front as it moved across the State. Tornadoes and/or funnel clouds are reported separately.</p>									
Todd, Morrison, Stearns and Benton Counties	13-14	Late evening Early Morning			0	0	5	4	Hail and winds
<p>Thunderstorms with strong winds and scattered hail late on the 13th and early on the 14th caused the following damages; at about 10:25 pm on the 13th, destroyed a metal warehouse at Rice; pushed barn off foundation in Opole; at about 2:00 am on the 14th, destroyed a 40 x 323 two-story turkey barn killing about 10,000 turkeys one mile southwest of Swanville; and damaged many out-buildings and blew down many trees through the above counties. Winds of 80 m.p.h. were estimated in several areas. Lightning burned a barn down 4NE of Pierz and also burned 1,000 bales of hay just west of Pierz. Hail crop damage was scattered across the area.</p>									
Norman and Becker Counties	15				0	0	4	5	Hail and winds
<p>Winds at 3:30 pm knocked over trees at Hawley and caused minor damages to outbuildings in Norman and Becker Counties. Crop hail damage was moderate through this area and also some in Roseau and Otter Tail Counties.</p>									
Swift and Roseau Counties	16	Late Afternoon			0	0	0	5	Hail
<p>Thunderstorms with hail caused moderate crop hail losses in northern and north east Swift County and central Roseau County and scattered losses in Grant, Douglas, Stevens, Pope, Kandiyohi and also in several counties to the south of the Twin Cities.</p>									
Koochiching County	19	Forenoon to Evening			0	0	5	?	Winds and very heavy rains
<p>Strong winds on leading edge of thunderstorms scattered fence lumber from a yard at Littlefork over a parking lot causing about \$3,000 damages. Heavy rains of 2 to more than 6 inches fell generally on a 15 mile wide line from Crookston to just north of International Falls in about a 7 hour period from forenoon to early evening. Indus recorded 6.43 inches in 6-1/2 hours, Baudette 215, 4.45 inches and Thorhult, 4.80 inches.</p>									
Strip from Parkers Prairie-Mille Lacs Lake into Wisconsin	21-22	Afternoon Morning			1	0	7	7	Flash flood (Exceptionally heavy rains) wind and hail
<p>Thunderstorms forming and reforming on 150 mile long and about 25 mile wide strip east-west across the State resulted in rains of 4 to 13 inches, strong winds, hail and some small tornadoes (reported separately). The record-breaking rains for the State caused flash flooding with damages estimated at \$20,000,000. The wind and hail damages were only minor to farm buildings and crops. The highest gust recorded was 80 m.p.h. at Alexandria at 8:00 pm on the 21st. Flash flood damages estimates were as follows: roads, streets & bridges, federal property \$3,000,000 and state-county-local property was \$3,500,000; crop losses \$6,000,000; private homes \$3,200,000; and business property \$3,500,000. Losses such as personal items from basements flooding and many others are not estimated. County property damages in descending order were: Morrison-8-1/2M, Crow Wing-4-1/2M, Kanabec-2M, Pine-0.9M, Mille Lacs-0.9M, Todd-0.9M, Benton-0.8M, Isanti-0.5M, Aitkin-0.5M, Carlton-0.3M, and Otter Tail-0.1M. About 700 houses had flood damages, this does not include the thousands of flooded basements. The town of Randall proportionally suffered the greatest losses. The branches of the Little Elk River meet here. All major highways across this 150 mile strip were washed out and closed for 3 to 16 days except Interstate 35 from the Twin Cities to Duluth. Federal Highways closed were 71, 10, 371, 169, and 65. All resorts had dock damages and severe beach erosion from high water. Mille Lacs Lake rose 2 feet from the rains. One man drowned as he drove his car into road washout near Eagle Bend and boy drowned as he stepped into a road washout near Princeton. A man died from a heart attack while sandbagging near Nora. See July, 1972, Climatological Data, Minnesota-Special Weather Summary and July, 1972 Climatological Data National Summary on additional information on flood.</p>									
Cushing 6NNE Morrison County	21	3:20 p	1/10	20	0	0	0	0	Tornado
<p>Small tornado touched down in a grove of pine trees. Trees laid down in several directions.</p>									
MINNESOTA (continued)									
Crow Wing and Aitkin Counties	27	3:00 p to 10:00 p			0	0	4	4	Heavy rains
<p>Heavy rains of 4 to 5 inches during the evening of the 27th caused some basement flooding and road washouts in northern Aitkin and northern Crow Wing Counties.</p>									
Breezy Point 2NNE Crow Wing County	27	4:40 p	1/10	20	0	0	0	0	Tornado
<p>Small tornado touched down briefly causing no damage.</p>									
Eastern Fillmore County	31	3:00 a to 11:00 a			0	0	4	4	Heavy rains
<p>Heavy rain between 3 to 11 inches near Lanesboro area closed US Highway 16 for a period. Some crop erosion losses and road and culvert washouts were noted.</p>									
FUNNEL CLOUDS REPORTED DURING JULY									
County	Date	Time	Location & Remarks						
Ottertail	6	11:15 am	Near Ottertail two funnels						
Polk	10	6:15 pm	6N of McIntosh						
Clearwater	10	6:00 pm	6SW of Bagley						
Becker	10	6:00 pm (about)	Near Perkel						
Clearwater	10	6:30 pm	1NWN of Bagley						
Mahnomen	10	6:00 pm	Mahnomen NE-funnel stayed aloft 30 minutes						
Stevens	15	4:55 pm	5SW Morris						
Stearns	15	8:50 pm	New Holding Ford						
Todd	21	7:35 pm	2W Staples						
Ottertail	22	11:18 am	18NW Elbow Lake						
Ottertail	22	11:56 am	12S Ferguson Falls						
Stearns	22	4:00 pm	11NWN St. Cloud						
Douglas	26	5:03 pm	5SE Alexandria						
Lincoln	28	5:00 pm	8SW Ivanhoe						
Lincoln	28	5:00 pm	6N Tyler						
Redwood	31	4:00 pm	6NE Walnut Grove						
MISSISSIPPI									
Holmes County	1	About 8:00 a.			0	0	5	0	Thunderstorm
<p>Lightning struck a power line connected to the Tihula sportswear plant and caused a fire. Newspaper noted, "Machinery, equipment, fixtures and materials with an estimated value of \$75,000 to \$100,000 were destroyed and a brick building gutted. . . . Two other adjacent firms, . . . received water and smoke damage. . . . It was raining the entire time - from when the lightning hit until the fire was brought under control. . . ."</p>									
Washington County	1	6:33 p.			0	0	0	0	Hail
<p>Golf ball size hail reported 2 N Greenville (lat. 33.1° N, long. 91.0° W). Radar at 6:40 p.m. indicated a cluster of thunderstorms 5 S Greenville moving towards E at 40 m.p.h. No reports of damage received.</p>									
LeFlore County	3	3:53 p.			0	0	0	0	Wind
<p>During a thunderstorm at Greenwood Airport (lat. 33.5° N, long. 90.2° W) the winds gusted to 76 m.p.h. at 3:53 p.m. No injuries or damage reports received.</p>									
Yazoo County	3	About 4:00 p.			0	0	?	0	Wind
<p>At Yazoo City (lat. 32.8° N, long. 90.4° W), there was some wind damage; tree limbs were down over most of the city, and two limbs fell on and wrecked an automobile; a house was slightly damaged and insulation was removed from the roof of a mobile home parked near the Yazoo Mobile Homes building on Highway 1. At Holly Bluff, gusty winds were reported with no serious damage.</p>									
Pike County	3	5:27 p.			0	0	4	0	Wind
<p>At 4:45 p.m. c.s.t., radar indicated a line of severe thunderstorms extending from just west of McComb northward to Brookhaven and beyond with most of the activity moving eastward 30-35 m.p.h. At McComb Airport (lat. 31.3° N, long. 90.5° W), heavy rain reduced visibility to zero and at 5:27 p.m. winds gusted to 69 m.p.h. One airplane was flipped onto its back, one received a broken wing, another had minor damage to its tail section, and two others had</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 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		
MISSISSIPPI (continued)										
										minor damage to their wings. A T-hangar received the heaviest damage with the winds ripping off one of its doors, then lifted and rolled the door along the roof top. The Flight Service Station building had a ventilator torn from its top, and a small metal building at the rear was blown down. A 30-foot section of cyclone fence on the east boundary was leveled, power lines were broken and the entire airport lost power for nearly 3 hours. Damages were assessed as about \$30,000.
Lafayette County	3	6:58 p.-7:05 p.			0	5	0	0		Wind
										About 2 MW Oxford, wind collapsed a tent and injured 5 persons in a crowd of between 400-500 people. Man said, "All of a sudden there was a huge puff of wind and on the second puff, a stake broke. We heard that and immediately the tent began to go down." Another man said, "No serious injuries were reported; there was no property damage at all."
Lauderdale County	3	Evening			0	1	?	0		Thunderstorm
										Newspaper noted, "A Meridian man suffered minor injuries early last night when high winds blew a tree down across his car while he was driving. . . ." Several sections of Meridian were without electricity; a power company official said a substation "looked as if it might have taken a direct lightning strike." A Fire Department spokesman reported that at 10:05 p.m. c.s.t., lightning struck the Lauderdale County School Barn in the Photo Community, north of Meridian, and set the roof on fire; officials said "considerable damage" was done to the roof of the one-story block structure.
Mississippi Sound	4	1:45 p.-2:17 p.								Waterspouts
										At 1:45 p.m., 2 waterspouts were observed off of Gulfport (lat. 30.4° N, long. 89.1° W). At 2:17 p.m., MV (motor vehicle) Helene located 4 E Gat Island (lat. 30.2° N, long. 89.0° W) reported waterspouts and high winds.
Hinds County	12	3:25 p.-4:45 p.			0	0	?	0		Heavy Rain
										Thunderstorms moved across the county. There were reports of heavy rain, flash flooding and small hail. Civil Defense reported marble size hail at Forrest Avenue in north Jackson at 3:25 p.m. Radar at 3:35 p.m., indicated cluster of thunderstorms 5 MW Jackson moving about 15 m.p.h. Before 4:15 p.m., local flash flooding had occurred in north and west Jackson; public reported hail of pea to marble size; some trees down near Tougaloo College.
Lauderdale County	12	5:15 p.-6:10 p.			0	0	4	0		Heavy Rain
										Several large thunderstorms moved into the county. At 5:15 p.m., a severe thunderstorm was indicated by radar over Meridian and moving NNE very slowly. By 6:10 p.m., three to 4.75 inches of rain was reported in the northern portion of Meridian. All of the local Meridian creeks overflowed. There was minor flooding in an estimated 10-15 houses with damages estimated at \$12,000.
Perry County	14	About 3:00 p.			0	1	?	0		Lightning
										Girl, age 14, was on telephone at home about 1/4 mile south of Park Work Center, about 5 W Janice. Lightning struck a tree and ran the underground telephone line and burned her back, made 3 holes in her ear drum, and knocked her unconscious temporarily.
Lauderdale County	14	About 7:00 p.			0	1	?	0		Lightning
										Girl, age 15, was in bathroom of her home when it was struck by lightning. She reported the lights went out and she was thrown against a wall. She was hospitalized in a state of shock; no burns were found on her body.
Mississippi Sound	15	10:35 a.								Waterspout
										Waterspout observed over Mississippi Sound, 1 mile from land to SSW of Bay St. Louis (lat. 30.3° N, long. 89.3° W). Civil Defense reported it moved westerly and dissipated about 800 yards off shore.
Leake County	16	About 7:00 p.			0	0	?	0		Wind
										Wind unroofed barn in Walnut Grove (lat. 32.6° N, long. 89.5° W); heavy rain and wind in SE corner of county.
Hinds County	19	About 5:50 p.			0	0	5	0		Wind
										Strong winds accompanied by rain caused damage in several sections of Jackson (lat. 32.3° N, long. 90.2° W). A plate glass window was blown out of building on corner of Congress and Pearl Street. On Mayhew Street in NW Jackson, roof reported blown from warehouse and shingles scattered to MW; man estimated damage to building along with supply loss might be as much as \$75,000. A building next door also suffered wind damage. In the same vicinity there were several trees down blocking street.
Tippah County	24	About 1:30 p.			1	0	0	0		Lightning
										Boy, age 16, of Walnut, was killed when struck by lightning.
Franklin County	27	1:10 p.			0	0	?	0		Wind
										Civil Defense reported a very narrow severe thunderstorm at Meadville (lat. 34.5° N, long. 90.0° W). Trees blown down across lines cutting off power to Meadville; no hail reported.
MISSISSIPPI (continued)										
Adams County	27	5:30 p.-6:00 p.			0	0	?	0		Wind, Heavy Rain
										A severe thunderstorm was indicated by radar over Natchez at 5:30 p.m. c.s.t. moving slowly towards north. Natchez (lat. 31.5° N, long. 91.1° W) police reported poor visibility during thunderstorm and flooding of streets; all main arteries were blocked with water during height of storm about 6:00 p.m. c.s.t. A few trees were down all over Natchez; no power lines reported downed but scattered power outages mainly in northern portion of Natchez.
Hinds County	29	a.m.			0	0	?	0		Heavy Rain
										Newspaper noted, "Flash floods were in Jackson early Saturday (29th) as rains estimated more than two inches pummeled the area." Man on Missouri Street reported water had been 18 inches deep in his house. At the Jackson Municipal Airport (Rankin County) the official National Weather Service gauge measured 1.07 inches.
Jackson County	30				0	0	?	0		Heavy Rain
										Unofficial rain gauge at Coastal Chemical Co., on Industrial Road, at city limit of Passagoula recorded 7.1 inches of rain between 2:30 a.m. and 3:00 p.m. c.s.t. Newspaper noted, "Streets were flooded in low-lying areas, telephone service was interrupted. . . . Public works departments of Passagoula and Moss Point report damages to some streets from the deluge. . . . Isolated reports of loss of power were received by Mississippi Power Co."
MISSOURI										
Southeastern Missouri										
	1	1p-5p						5°		Thunderstorms
										Thunderstorms rumbled across southeastern Missouri causing widespread minor damage in an area generally east of a line from Sainte Genevieve southward to Dexter. Lightning, high winds, heavy rain and hail caused widespread minor damage. Many cars were damaged by falling trees; extensive damage caused to power lines; crops south of Sikeston were damaged by hail and heavy rain. Some minor flash flooding was reported.
Sikeston, 3S New Madrid County	2	2:27p								Funnel Cloud
										A funnel cloud was reported 3 miles south of Sikeston along U.S. Highway 61-62.
Kansas City, 15S Jackson County	2	2:30p								Funnel Cloud
										National Weather Service employees working in the Federal Building in downtown Kansas City sighted this funnel cloud.
Butler, 11E Bates County	2	3:30p	3?					3		Tornado
										Tornado reported by off-duty sheriff. It was on the ground for 5 to 7 minutes moving in a northeast direction and it appeared white in color. It apparently did little damage.
Blue Springs Jackson County	2	4:30p								Hail
										3/4 inch hail was reported.
Laurie, 5NE Morgan County	2	6:05p			2	1		5		Thunderstorm Winds
										A strong gust of wind generated by a thunderstorm squall line destroyed a covered boat dock on the Gravois Arm of the Lake of the Darks. One elderly lady on the dock fell or was blown into the water. Her son-in-law jumped in to help her and they apparently drowned while trapped under the debris. About this same time wind gusts estimated at 80 miles per hour were reported at Sunrise Beach, about 5 miles south of the location where the people were killed.
Stover, Morgan County	4	evening						3°		Hail
										Jagged hailstones measuring up to 2 inches in diameter covered the ground near Stover. Some damage to motor vehicles was reported.
Cape Girardeau, Cape Girardeau County	15	afternoon and evening						4		Thunderstorms
										Thunderstorms with high winds and heavy rain in this county. Minor flash flooding was reported near Cape Girardeau. Some houses and outbuildings were damaged in the Oak Ridge-Fruitland area.
Huntsville, Randolph County	17	night						1	4	Thunderstorms
										Thunderstorm winds caused considerable minor damage and one woman was injured slightly when a limb fell through a window and struck her in the eye.
Perry County	26	evening						1	4	Thunderstorms
										Widespread damage to farm buildings, trees and utilities occurred as thunderstorms rumbled across the county. One person was injured when he lost control of his car in heavy rain and struck a utility pole.
Camden County	27	6:30p						4	5	Thunderstorms
										Thunderstorm winds destroyed a couple of sections of covered boat dock and overturned a house trailer. It also caused considerable tree and other minor damage in the area around Camdenon.
Nevada, 1N, Vernon County	27	6:31p								Hail

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					KILLED	INJURED	PROPERTY	CROPS	
MISSOURI (continued)									
		1 inch hail was reported.							
Mount Vernon, Lawrence County	27	8:15p				9	4		Wind
		A strong gust of wind pushed a large commercial-type bus sideways into an embankment 5 miles west of Mount Vernon on I-44. Eight passengers and a hostess were injured.							
Appleton City, 10S, St. Clair County	27	1:10p	3	50	1	4			Tornado
		A tornado moving in a northeast direction destroyed outbuildings and trees along a 2-mile path from 10 miles south of Appleton City to just across County Road H 1 mile south of its intersection with County Road B.							
Mississippi County	27-28						6		Flood
		Six to eight inches of rain fell in the county causing widespread flooding of low farm land. Thousands of acres of crops were destroyed.							
MONTANA									
Sheridan County	13	6:00 P			0	0	0	0	Funnel clouds
		Six funnel clouds reported by Police 15 East of Medicine Lake.							
Teton County	14	4:00 P	10	3	0	0	0	4	Hail
		Hail damage to crops between Pendroy and Bynum.							
Stillwater County	18	3:30 P	8	3	0	0	0	7	Hail
		Hail 1/2 to 3/4 inch in diameter caused damage to crops in area from NE of Reedpoint to South of Molt.							
Higher Mountains of the State	18-19				0	0	0	0	Snow
		Four to eight inches of snow forced closure of some mountain passes throughout the State.							
Granite County	24	Evening			0	0	4	0	Lightning
		Lightning killed 20 head of registered herefords valued at \$6,000 one mile North of Florence.							
Daniels, Roosevelt & Richland Counties	27	5:00 P	50	4 mi	0	0	4	6	Hail
		Hail damage to property and crops along the Poplar River from NW of Richland to South of Brodtkon. Hail from 1-1/2 to 3 inches in diameter with 4 inches of hail on ground. Early estimates of \$1 million damage to crops.							
NEBRASKA									
East Central and Northeast Nebraska	1	1:30p-8:30p			0	0	4	6	Heavy Thunderstorms
		Thunderstorms, which developed during the forenoon hours, dropped 3/4 to 2 1/2 inch diameter hailstones and 1 to 3 inch rains in Fillmore and York Counties between 1:30p and 2:30p. These storms displayed a northeastward movement. A squall line then developed from Kearney northeastward to the northeast corner of the state between 4:00p and 5:00p and moved southeastward at 30 to 40 mph, reaching the Omaha metropolitan area about 8:00p. These storms spawned a tornado and a few funnel clouds (see succeeding entry) and deposited 1/2 to 2 inch diameter hailstones and locally hard rains in about 20 percent of the area located along and 25 to 35 miles either side of a line extending from Grand Island to the Iowa border east of Pender. Winds gusting past 50 mph and scattered 3/4 inch hailstones were reported in and near Omaha as the storms passed through.							
Madison County	1	5:10p	1/4	15	0	0	0	0	Tornado
		Three funnels observed in vicinity, one of which touched ground. Tornado first touched ground 3/4 mile west, 1/2 mile south of Madison. Parent storm moved from northwest to southeast. Funnel that became tornado came down with no apparent rotation at first. This funnel described by public as white or partially transparent except for debris near surface.							
Stanton County	2	4p-5p	20	7	0	0	7	5	Hail
		Parent storm moved from northwest to southeast. Damage confined to south half of county. Ground covered in spots by 1/2 to 1 inch diameter hailstones.							
Dodge, Douglas, Sarpy and Washington Cos.	6	3:20p-7p			0	0	4	5	Hail and Wind
		Thunderstorms moved from northwest to southeast, producing locally large hail and wind gusts past 50 mph. First hail damage, all of little consequence, occurred near Fremont about 3:30p. Most of hail damage at and near Kenard, when 3/4 inch diameter stones pelted the area from 5:20p to 6:30p. One inch diameter stones reported at Bennington at 6:30p. Hailstones ranging from 1 to 1 1/2 inches in diameter fell at LaVista from 6:40p to 7:15p.							
Garden County	6	4p-5p	12	*5	0	0	7	5	Hail
		Damage centered roughly 10 miles southwest of Oshkosh. Ground covered by hail to depth of 5 to 6 inches in spots. A few stones ranged up to 4 inches in diameter. Parent storm moved from northwest to southeast.							
Dawson County	8	12:10a							Funnel cloud
		Large funnel cloud observed to near the ground 1 1/2 miles north of Overton. Several small funnels observed by public near larger one. Small hail and rains up to 1.25 inches fell in vicinity of Overton.							
NEBRASKA (continued)									
		Small hail reported from 10 miles north to just east of Gothenburg a few hours prior to the storm near Overton. Thunderstorms moved from northwest to southeast.							
Golfax County	8	6:17p							Funnel cloud
		Funnel cloud observed by public near Howells.							
Cheyenne County	9	4:30p	6	*1 1/2	0	0	3	5	Hail
		Hail damage centered 10 miles east and 4 miles south of Dalton. Parent storm moved from southeast to northwest. Stones averaged 1 1/2 inches in diameter. Duration of storm unknown.							
Red Willow County	9	10p							Funnel cloud
		Funnel cloud observed by public 7 miles south of McCook. Parent storm moved from west to east.							
Extreme East Central Nebraska	10	3p - 5p			0	1	5	4	Heavy Thunderstorms
		Most of storm damage reported east of a line stretching from Tekamah, to Fremont, to Nebraska City. Majority of damage caused by strong winds. Winds gusting to 75 mph reported in south part of Omaha and nearby suburbs. Mobile home completely destroyed (one injury resulting), large trees uprooted, and several buildings under construction damaged by winds in Omaha metropolitan area. Wind damage to trees and roofs reported in Nebraska City about 5p. Heavy rains flooded roads near Tekamah. Hail 1 3/4 inch in diameter whitened ground in spots near Blair.							
Central, South Central and East Central Nebraska	10-11	7p - 10th - 5a - 11th			0	0	6	6	Heavy thunderstorms
		Thunderstorms initially developed along a line running from Franklin, to just east of Kearney, to Neligh. During the ten-hour period of its existence, the area of intense thunderstorm activity expanded and exhibited a slow eastward drift while individual cells within the area moved northeastward. The intense storms reached as far east as Albion, Osceola, Seward, and Fairbury. Torrential rains, totaling 2 to 8 inches, fell in a 50 to 70 mile wide band extending from near Red Cloud to Osceola, causing considerable low-land and flash flooding. Flash flood damage was particularly high in the vicinities of Red Cloud, McCook Junction, Stromsburg and Osceola. In addition, 2 to 5 inch rains fell in a 20-mile wide arc extending from 25 miles west southwest of Grand Island to 50 miles north of Grand Island. Large crop losses due to heavy falls of hail were reported in, but not necessarily confined to, 15 to 30 square-mile areas centered 6 miles northwest of Red Cloud, just northwest of Shelton, and 3 miles southwest of Genoa. Hailstone sizes varied from 1/2 to 3 inches in diameter. Several funnels were observed in the vicinity of Grand Island the evening of July 10th (see succeeding entry).							
Buffalo, Hall, and Hamilton Counties	10	7:30p - 9:50p							Funnel Clouds
		Numerous sightings of funnel clouds occurred in the vicinity of Grand Island the evening of July 10th. None of the funnels were observed to touch ground. A tabular listing of funnel sightings, including location, time of first sighting, and reporting source, follows:							
		LOCATION			TIME			SOURCE	
		1. Shelton			7:30p			Public	
		2. Alda			7:30p			Public	
		3. South part of Grand Island			7:30p			Unknown	
		4. 1 1/2 miles northwest of Grand Island Airport			9:00p			Public	
		5. 8 miles west southwest of Grand Island Airport			9:30p			Citizens Band Operator	
		6. 10 miles east of Grand Island Airport			9:45p			Unknown	
		7. 8 miles southwest of Grand Island Airport			9:50p			Unknown	
		In all cases, the parent thunderstorms exhibited a northeastward movement. Winds gusting between 55 and 75 mph were reported at the Grand Island Airport between 9:20p and 9:45p.							
Clay and Thayer Counties	12	Evening			0	0	7	4	Hail
		Hailstones, averaging 1/2 inch diameter, reported at Harvard at 7:30p. Hail of unknown size caused 100% crop losses in small area 5 miles north of Byron about 9:00p. Hail reported in a strip extending from 5 miles north of Byron to just east of Chester. Thunderstorms moved from west to east.							
Northern Nebraska Panhandle	16-17	7p - 16th - 3a - 17th			0	0	4	5	Heavy Thunderstorms
		Heavy rains, high winds, and heavy falls of hail caused scattered crop losses and property damage across the north half of the Nebraska Panhandle. To cite examples, storms dropped 2 1/2 to 4 inches of rain halfway between Heringford and Chathron between 6p and 9p. Heavy rains, strong winds, and hail of unknown size caused extensive crop losses in a 3-mile wide band extending from 8 miles south to 12 miles southwest of Heringford the evening of the 16th. Conditions to those just described occurred near Harrison about midnight.							
Perkins County	16	8:30p			0	1	7	0	Lightning
		Sixteen-year old boy struck by lightning bolt while using telephone. Youth knocked unconscious for 10 minutes. Suffered burns to ear. Incident occurred on farm, 19 miles southeast of Ogallala.							
Clay County	16	Late Evening			0	0	4	0	Lightning
		Lightning struck pump house in Clay Center, putting control panel for city's water pumps out of order for more than 24 hours.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA (continued)									
Northeast Nebraska	16-17	10p-16th -6a-17th			0	0	95	0	Heavy Thunderstorms
Heavy rains, totaling from 2 to 5 1/2 inches, caused some flash flooding in an area lying to the north of a line running from Niobrara, to Norfolk, to Tekamah. A landslide generated by heavy rains undermined a year-old highway bridge just northeast of Wayne, causing it to fall into Logan Creek. Hail caused crop damage in an area 8 miles long and 2 miles wide, centered just northwest of Bloomfield.									
Dawson County	17	4:05a			0	0	4	0	Lightning
Lightning bolt killed six show horses in field near Cozad.									
Central and Northeast Nebraska	20	2p-10p			0	0	5	5	Heavy Thunderstorms
Locally heavy rains, totaling 1 1/2 to 2 1/2 inches, isolated hail damage, and strong winds were reported mainly in an area along and 25 miles either side of a line extending from 25 miles east of North Platte to Pender. Thunderstorm cells moved northeastward along a nearly stationary cold front, thus allowing locally heavy depositions of rain. Heaviest reported rains were observed in the vicinities of Numa, Round Valley, and Sargent between 2p and 3:15p and in the vicinities of Battle Creek, Hadar, Hoskins, and Norfolk between 5p and 6p. Wind damage to trees and crops reported near Round Valley and Hoskins. Several tornadoes and funnel clouds associated with this activity (see succeeding entries).									
Howard and Nance Counties	20	2:10p-2:22p	14	3	0	0	2	0	Tornado
Tornado touched down in farm field located on the northeast edge of Cushing. Funnel moved northeastward up a canyon, then struck farm located 1.0 miles east, 1.1 miles north of Cushing, causing minor damage. Funnel continued northeastward on the ground, causing minor damage at two other farms, one of them 4.3 miles east, 4.0 miles north of Cushing. Tornado last seen 7 miles west of Belgrade. A light shower succeeded the passage of the tornado.									
Custer and Valley Counties	20	2:40p-3:40p	32	150	0	0	4	3	Tornado
Tornado first touched ground 6 miles north-northeast of Broken Bow and remained on the ground for approximately 6 miles. Farm located 10 miles southwest of Sargent struck by storm at 2:50p. Wooden outbuildings south of farmhouse exploded by vortex and portion of corn crop flattened. After striking farm, funnel apparently did not resume contact with ground until about 3:40p when it touched down briefly in open country halfway between Ord and Burwell. Funnel in contact with ground for about 20 percent of its path length. Parent storm moved from southwest to northeast at 30 to 35 mph.									
Boone County	20	3p-3:45p							Funnel Cloud
Observed by Cedar Rapids Fire Dept. Funnel cloud went directly over Cedar Rapids. Counter-clockwise motion noted. Parent storm moved from southwest to northeast.									
Valley County	20	3:55p	?	?	0	0	3	0	Tornado
Hog shed located 7 miles south, 1 mile west of Ord destroyed by funnel. Northeastward moving funnel reported by public.									
Madison County	20	4p	1/4	Narrow	0	0	3	0	Tornado
Struck farm located 11 miles south-southwest of Battle Creek, destroying lean-to garage. Funnel moved from northwest to southeast. Hook echo associated with this storm.									
Greeley County	20	5:35p							Funnel Cloud
Reported by public just southwest of Greeley.									
Hall County	20	5:46p							Funnel Cloud
Reported by public 13 miles southwest of Grand Island.									
Nemaha County	23	2:30a-5:30a	?	?	0	0	4	4	Wind and Heavy Rain
Localized windstorm struck farm located southeast of Peru about 5:00a, uprooting two large trees and completely destroying a metal machine shed. Nearly 5 inches of rain fell in small area two miles northwest of Brownville in an undetermined time period, causing flash flooding.									
Perkins County	23	Late Afternoon	?	?	0	0	?	4	Hail
Farms immediately adjacent to Madrid suffered heavy losses to corn crops. Size of hailstones unknown.									
Sheridan County	23	Late Afternoon			0	0	?	4	Hail
Crop losses ranging from 10 to 15 percent reported within a 7-mile radius of Gordon. Size of hailstones unknown. Locally heavy rains accompanied storm.									
Western Nebraska Panhandle	24	3:00p-5:30p			0	0	5	5	Heavy Thunderstorms
A squall line moved eastward across the Panhandle, generating strong winds, locally heavy rains, and some hail. Examples of storm-related damage are as follows: Flash flooding, caused by nearly two inches of rain falling in less than one hour, occurred in sections of Gering and Terrytown between 4:00p and 5:00p. Lightning started three fires in Scottsbluff. High winds snapped off large tree limbs in Alliance, and flipped an unoccupied mobile home and partially unroofed a greenhouse near Kimball. Large crop losses due to hail of unknown size occurred in a small area just east of Kimball.									
Southwest, Central and Northeast Nebr.	25	Afternoon & Evening			0	0	6	6	Heavy Thunderstorms
Thunderstorms, containing torrential rains, locally damaging hail, and strong winds, occurred in an area to the right of a line extending through Sutherland, Broken Bow, Ord, Bloomfield, Wayne,									

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	
NEBRASKA (continued)									
									Fullerton, Sutton, Blue Hill, Minden and back to Sutherland. Two to 4-inch rains were common in two 20 to 30 mile wide bands: one extending from Sutton, through Hastings, to Axtell, with the other band extending from southwest Custer County, through Pleasanton, to Scotia, then to Genard. Rainfalls of nearly 6 inches reported just south of Mason City, with 4 to 5 inch rains reported southeast of Callaway, in the vicinities of Pleasanton and Scotia, and also west of Pierce. Flash flooding occurred in many sections of these heavy rain areas, especially during the evening hours. High winds and hail up to 1 3/4 inches in diameter struck in and near Sutherland and Hershey in the late afternoon. Winds to 75 mph caused much property damage in Hastings about 6p. Considerable crop damage (\$200,000 or more) inflicted by hail of unknown size in an area 50 miles long and 2 to 7 miles wide extending from the northeast corner of Dawson County to the southeast corner of Buffalo County between 6p and 9p. Locally severe hail damage also reported northeast of Axtell, from just south of Greely to Wolbach, and from between North Loup and Scotia to 5/2 miles north of Scotia. Several funnel clouds and two tornadoes observed with this activity (see succeeding entries).
Dawson County	25	5:30p							Funnel Cloud
Observed by public at Sumner. Heavy rain-fall in area at time.									
Kearney County	25	5:30p							Funnel Cloud
Observed directly over KHOL-TV transmitter located 16 miles south of Kearney.									
Buffalo County	25	5:35p							Funnel Cloud
Observed over Pleasanton. Heavy rain falling at time of observation.									
Thomas County	25	6:10p							Funnel Cloud
Observed by public just southwest of Thedford town limits. Parent cloud moved from northwest to southeast.									
Buffalo County	25	6:30p	?	?	0	0	4	0	Tornado and Rain
Touched down 5 miles north of Kearney. Hook echo seen on radar at Grand Island. Moved from west-northwest to east-southeast. Heavy rains that fell in area during and after tornado obliterated any traces of path that tornado might have made. Most of damage in area of tornado touchdown done by heavy rains.									
Buffalo and Hall Counties	25	7:15p-7:37p	Short Narrow		0	0	0	0	Tornado
Two funnel clouds observed at first, one of which touched ground. Touched down briefly in open country 2 miles west, 3 miles north of Gibbon. One funnel cloud remained after touchdown. This funnel cloud moved east-northeastward, and was located north of Wood River at 7:37p. Storm observed by State Ptol.									
Adams County	25	8:18p							Funnel Cloud
Observed 2 1/2 miles south of Hastings.									
Clay County	25	8:40p-8:15p							Funnel Cloud
Observed 16 miles east of Hastings moving eastward.									
Sioux County	25	8p-8:05p	Short Narrow		0	0	0	0	Tornado
Funnel touched down 25 miles west of Hemingford, raising dust. Funnel moved from west to east. Several small vortices observed in parent cloud near tornado. Observed by two State Patrol troopers.									
Adams County	25	9:05p							Funnel Cloud
Observed by public 3 miles east of Pauline.									
Scotts Bluff and Morrill Counties	25	8:35p-9:35p			0	0	0	0	Funnel Clouds and Hail
Several funnel clouds were observed in the North Platte Valley from Mitchell downstream to Bridgeport the evening of July 25th. None of the funnels apparently touched ground. A listing of the location, time of first sighting, and reporting source of these funnel clouds follows:									
			LOCATION		TIME		SOURCE		
			Mitchell		8:35p		Mitchell Police		
			Scottsbluff		9:00p		Scottsbluff Police		
			8 miles west of Scottsbluff (Rubards Hill)		9:10p		Sheriff's Deputy		
			5 miles southeast of Bayard		9:35p		Scottsbluff Police		
									Winds gusted to 52 mph at the Scottsbluff Airport as the thunderstorms responsible for the funnels passed through. Some heavy hail reported west of Scotts Bluff County Sheriff's Office, but no crop damage reported.
Deuel County	25	Evening	?	?	0	1	4	0	Windstorm
Strong winds, possibly tornadic, demolished cattle shed on farm 8 miles southwest of Chappell. Eleven-year old girl who took refuge in shed suffered shock, a dislocated hip, and a severe neck laceration when building collapsed. Stock tank with concrete bottom carried about one mile by wind.									
Cherry County	27	3:00p	1	1/4	0	0	0	3	Tornado
Touched down on ranch 30 miles southeast of Nenzel. Funnel moved from northwest to southeast. Funnel touched down three times, destroying haystacks and uprooting trees. Heavy rain followed tornado.									
Thomas County	27	4:30p							Funnel Cloud
Observed 5 miles southwest of Halsey moving east at 20 mph.									
Cherry County	27	6p-6:30p	?	?	0	0	?	?	Hail and Rain

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
NEBRASKA (continued)										
										Hail up to 1 3/4 inches in diameter along with 2.07 inches of rain fell in area centered 10 miles north of Seneca, causing undetermined amount of crop damage.
Lincoln, Frontier, and Southwest Gosper Counties	27	6p-9p			0	0	5	5		Heavy Thunderstorms
										Hail deposited to a depth of several inches in a band of undetermined width extending from 8 miles northwest to 10 miles south of North Platte. Drifts of hail still remained on ground the following morning. Heavy hail damage also reported in portions of Frontier County. High winds felled power lines in North Platte and heavily damaged trees in southwest Gosper County. Heavy rains reported from North Platte southeastward into southwest Gosper County, where up to 1.80 inches of rain fell in a half hour. One tornado and one funnel cloud associated with these storms (see succeeding entry).
Lincoln County	27	6:28p	3	100	0	0	4	0		Tornado
										Gusty winds and heavy shower prior to tornado. Touched down on north bank of North Platte River north of Hershey and moved due south. First appeared as a dust whirl at the surface. House under construction at edge of Hershey lifted about 150 feet into the air by funnel, then exploded. One unattached septic tank carried two blocks by storm. Funnel lifted as it crossed U.S. Highway 30.
Lincoln County	27	8:24-8:35 pm								Funnel Cloud
										Observed by public 8 miles northwest of Gothenburg, moving southeastward. Followed by heavy rain, gisty winds, and hail.
Howard County	28	12:47p								Funnel Cloud
										Observed 6 miles north of Grand Island Airport. Heavy rain in progress at time of observation.
SPECIAL HAIL SUMMARY										
Nebraska Hail Loss Clearing Bureau reports indicate hail was especially severe in the following counties on the dates indicated:										
	1	Burt, Butler, Goffax, Cuming, Dixon, Fillmore, Hamilton, Madison, Merrick, Nance, Platte, Polk, Sarpy, Stanton, Thurston, Wayne, York								
	6	Dakota, Dixon, Dodge, Washington								
	9	Cheyenne								
	10	Buffalo, Burt, Cass, Hall, Hamilton, Nance, Otoe, Polk, Saunders, Webster, York								
	12	Thayer								
	17	Knox								
	19	Cheyenne								
	23	Polk, Saunders, York								
	25	Buffalo, Greeley, Kearney, Lincoln								
	27	Frontier								
NEVADA										
Las Vegas	16	6 p.m.-7:30 p.m.			0	?	?	0		Thunderstorm Windstorm
										Winds up to 54 m.p.h. and rain associated with a thunderstorm produced numerous problems for residents and tourists in Las Vegas. Dust reduced visibility at the airport, necessitating closing the airport from 6-6:30 p.m. Trailers were overturned, power was out from downed poles and minor traffic accidents were reported. In some locale, flood waters damaged basements and merchant goods. No serious injury was reported, but visibility was zero during the height of the storm.
Lake Mead	16	6-7:30 p.m.			0	0	?	0		Thunderstorm Windstorm
										Winds up to 75 m.p.h. were reported by the National Park Service in Lake Mead. Park Rangers made more than 50 boat assists, but no one was injured. Slight damage to the docks at Lake Mead was reported. The gas dock at Lake Mead Marina floated off in the storm. A concession stand at Cottonwood Cove was wiped out by the gusty winds.
NEW HAMPSHIRE										
Gilmanton	3	3:20 p.	1	narrow	0	7	4	0		Tornado
										Ten cottages damaged, with two totally demolished. Large items from one fell 1/2 mile across Lion Pond. Funnel narrow but some wind damage in path about 200 yards wide, in north-eastward direction.
Southeast	8	p.m.			0	0	4	4		Wind, lightning hail, rain
										Scattered heavy thundersqualls. Hail up to 3/4th inch size. Local flooding with some road washouts. Utility outages from fallen trees and limbs.
Central	10	p.m.			0	0	4	4		Rain
										Local washing and flooding from thunderstorm rain ranging to over 2 inches. Many gravel roads washed out in the Hanover area.
State	16-17	night			0	0	4	0		Lightning
										Thunderstorms caused scattered damage from lightning. Rain-fall variable to over one inch locally.
State	10	p.m.			0	0	5	3		Lightning, wind, rain
										Scattered damage from heavy thundersqualls, with most effects in southern portion, including utility outages from fallen trees and limbs and local washing and flooding rains. Black-
NEW HAMPSHIRE (continued)										
Hudson	19	3:15 p.	1		0	0	3	0		Tornado
										water Dam reported 3.80 inches of rain in about 2 hours. Funnel narrow but some wind damage in path up to 1/2 mile wide. Many trees felled, some damaging homes and breaking utility lines.
Canaan	21	2:00 p.	1/2	7	0	0	4	0		Tornado
										Damaged a school. A dog and kittens were killed when a storage shed was destroyed. Steel coal loader overturned. Moving south-eastward, black funnel tossed debris 150 ft. into air. Washouts from accompanying rain.
Enfield	21	2:00 p.	7	10	0	0	4	0		Tornado
										Path near and across Interstate Rte. 89, falling trees, tipping over a heavy Dept. of Public Works truck, and twisting a crushing machine.
Hudson	21	4:45 p.			0	0	0	0		Funnel cloud
										Funnel later dipped to ground across the border in Massachusetts.
State	25	p.m.			0	0	4	3		Lightning, hail, wind, rain
										Scattered heavy thundersqualls with most effect in southern portion, with locally damaging lightning, hail, wind and rain. Rainfall varied from little or none at some stations to over 2 inches.
Enfield	26	1:30 p.			0	0	0	0		Funnel cloud
										Funnel sighted by fire tower observers; moving southeastward toward Mascoma Lake.
NEW JERSEY										
Somers Point	17	Afternoon			1	1	0	0		Electrical
										A man was drowned when he fell overboard from a boat, after being struck by lightning near Kennedy Park. A boy was injured when struck by lightning at a marina on Bay Avenue about the same time.
NEW MEXICO										
Santa Fe	1	1:45 p.			1	0	0	0		Lightning
										One man killed by bolt of lightning while working on a roof.
Lovington	1	8:30 p.			0	3	2	0		Wind
										Three persons injured when roof was blown off bleachers at baseball park.
Curry County	2	1:30 p.	2	1760	0	0	0	7		Tornado, hail
										Tornado, 30 miles north of Clovis, was accompanied by hail up to 1/2-inch in diameter which damaged crops in 10 by 8 mile area.
Quay County	2	5:55 p.			0	0	?	?		Hail
										Hail to 1-3/4 inch in diameter damaged roofs and gardens in vicinity of Nara Vista, 15 miles south of Amistad, Union County.
House	2	8:00 p.			0	0	0	4		Hail
										Hail to 1-inch in diameter damaged crops and livestock.
Quay County	3	11:00 p.			0	0	0 ³	0		Tornado, rain, hail, lightning
										Tornado at Hassell, 8 miles northwest of House, tore up pipes, roof and windows. At House, more than 4 inches of rain caused flooding from runoff which washed out crops and fences. Hail broke glass and damaged roofs. Lightning killed a horse and 12 head cattle 8 miles northwest of House and another 8 head elsewhere.
Albuquerque	4	7:00 p.			0	1	4	0		Wind, lightning, rain
										One mobile home demolished and three toppled by wind. One person inside toppled mobile home was injured. Wind broke windows and lightning struck home. Some power line outages. Local flooding from runoff.
Ciarron	11	1:30 p.-2:30 p.			0	0	?	0		Hail
										Hail to 2 inches in diameter damaged windows, roofs, autos, signs and gardens southeast of Ciarron as storm moved towards Springer.
Clovis	12	3:25 p.-4:30 p.			0	1	0 ⁴	0		Hail, wind
										Hail to 1-inch in diameter damaged maize. Two mobile homes overturned, one of which split open 2 miles north of Clovis. One minor injury to person in overturned trailer. Steel framework of building under construction bent and twisted. One frame building moved off its foundation.
Valencia County	16	3:00 p.-3:25 p.			0	0	0 ⁴	0		Hail, rain
										Two inches of hail stripped trees and gardens in two mile area. Hail to 1-1/4 inch in diameter caused extensive damage to roofs, autos and neon signs. Ten head cattle lost in flash-flooding of arroyos in Sabaa-Cubero-Buville area, about 20 miles east-southeast of Grants.
Las Vegas	16	5:15 p.			0	0	?	0		Hail
										Hail to 3/4-inch in diameter.

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
NEW MEXICO (continued)									
Union County	16	Evening			0	0	0	0	Heavy rain
					From 3 to more than 7 inches of rain in about 3 hours fell in the Tramperos watershed near Glapham, 27 miles southwest of Clayton, resulting in runoff causing loss of about 70 head of cattle, more than 13 miles of fence, 3 irrigation reservoirs, baled hay, and alfalfa acreage, and silting in 10 mile path.				
Gallup	17	7:15 p.-9:00 p.			0	17	6	0	Flash flood
					Heavy rain to northeast of Gallup caused Rio Puerco to rise 15 feet above normal peak in north Gallup. About 200 persons were made temporarily homeless and about 17 persons received minor injuries. Thirty autos were wrecked, lumber yard, furniture store and other businesses flooded, and roads and bridges silted. Total damage near \$3 million.				
Ute Lake, Quay County	17	5:40 p.	4	Narrow	0	1	4	0	Tornado
					Eight boats sunk and 22 severely damaged at North Dock, Ute Creek arm of lake, and dock and outbuildings damaged. Twenty boat storage units damaged and 8 destroyed, and sheds and garages damaged 2 to 3 miles east. Mobile home smashed, 4 miles east, and two mobile homes and several buildings damaged. One man received minor injuries when foldup camp trailer overturned.				
Deming	18	2:00 p.			0	0	?	?	Hail
					Hail to 1 inch in diameter.				
Santa Fe County	18	4:15 p.							Funnel cloud
					Funnel cloud reported by pilot during thunderstorm, 40 miles northwest of Albuquerque.				
San Juan County	18	5:00 p.			0	0	3	0	Wind
					Wind with gusts to 73 m.p.h. at Farmington downed trees and utility lines, and blew off roof at Bloomfield.				
Otero County	19	6:45 p.	3	Narrow	0	0	0	0	Tornado
					Funnel cloud touched down just north of Texas state line and east of Highway 54, 25 miles northeast of El Paso, Texas. No damage resulted as tornado moved toward east in open country.				
Roowell	20	4:15 p.-6:30 p.			0	0	4	0	Heavy rain
					More than 4 inches of rain in about 2 hours collapsed roof of bowling alley and runoff caused minor flooding to business buildings and residences. Some utility poles downed.				
Curry County	20	6:25 p.	Short	Narrow	0	0	0	0	Tornado
					Tornado touched down 1 1/2 miles north of Clovis and moved toward northeast.				
Cimarron	21	3:25 p.			0	0	?	?	Hail
					Hail to 3/4-inch in diameter.				
Catron County	25	Afternoon			0	1	0	0	Lightning
					One man temporarily paralyzed when lightning struck ground about 30 yards from where he was working close to Beaverhead Ranger Station.				
Clayton	29	5:00 p.			0	0	?	?	Hail
					Hail to 1 inch in diameter.				
Coffax County	31	Afternoon			0	0	?	0	Hail, rain
					Hail to 1-3/4 inch in diameter, 6 miles east of Raton, accompanied by more than 4 inches of rain which washed out 40 earthen water gaps. Utility outages at Raton.				
NEW YORK									
Red Hook, Dutchess County	3	early p.m.			2	5			Wind, electrical
					One large mobile home demolished and another tipped over by winds at trailer park. Two occupants in former sustained minor injuries. Winds uprooted numerous large trees and downed utility lines elsewhere in northern Dutchess County as lightning bolts caused minor fires in each of two homes. Thunderstorms ranged southward to Rockland and Westchester Counties, producing widely scattered power failures. Heaviest storm rainfall was 2.7 inches at Millbrook, Dutchess County, while light hail was reported at Croton-on-Hudson, Westchester County.				
New York City and Westchester County	13	5 a.m. to 12 noon							Rain
					Downpour of 2.5 to 3.0 inches of rain during mid and late morning hours. Weather observatory at New York City's Central Park recorded storm total of 3.05 inches of which 2.09 inches fell between 7 and 10 a.m. Runoff flooded subways, streets, highways, parking lots and basements from Staten Island to Tonkers.				
Conesus, Livingston County and Schuylerville, Saratoga County	14				2				Lightning

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	
NEW YORK (continued)									
					Two young people were fatally injured by lightning in widely separated areas of the State. Boy killed and companion apparently unhurt when walking in road at Conesus in western New York. Young girl was struck while under tree and near clothesline in upper Hudson Valley, village of Schuylerville.				
Canton, St. Lawrence County	16					1			Lightning
					Woman using telephone suffered serious injury when lightning struck house.				
Albany and Rensselaer Counties	16	4 p.m. to 7 p.m.				1	4		Rain, electrical
					Late afternoon and evening thunderstorms produced intense downpours of rain in towns west and south of City of Albany. Highways, recreation parks and lowlands extensively flooded by runoff in Guilderland, Voorheesville, New Salem, Slingerlands and Delmar. One or two small creeks overflowed banks. Heavy rains extended to western Rensselaer County where cooperative weather station at Troy measured 1.3 inches. Woman sustained electric shock injury when using water faucet as lightning struck her house.				
South Central and Hudson Valley	19	p.m.			1	3	5		Electrical
					Scattered thunderstorm activity over much of State concentrated damage and other effects in central southern tier counties of eastern Steuben, Chemung, Tioga and Broome and in mid Hudson Valley from Capitol City district southward to Kingston and Poughkeepsie areas. Lightning strikes caused numerous power failures in Corning, Elmira and Binghamton areas. Young girl knocked unconscious when lightning struck home in Endicott, Broome County. Man killed when lightning struck crane he was operating at Waterford, Saratoga County; two other workers at site sustained minor injuries. Lightning-caused fire resulted in extensive fire damage to apartment house in Cohoes, Albany County, forcing evacuation of six families. Several lightning strikes to homes and other buildings in Kingston area but resulting damage was minor. Power failures occurred in parts of Columbia, Dutchess and Ulster Counties.				
Upper Hudson Valley	20	evening					4		Electrical, rain
					Thunderstorms moving southward from southern Adirondacks affected narrow belt near Hudson River in Saratoga, Rensselaer, Albany and Columbia Counties. Intense rain between 7 and 8 p.m. totaled 1.3 inches at Troy with unofficial local measurements of up to 2.0 inches. Extensive street and highway flooding in cities of Troy and Cohoes as section of railroad track washed out in latter. Lightning strikes caused widespread power blackouts and minor damage to numerous buildings from Mechanicville area in Saratoga County south to Hudson-Claverack areas of Columbia County. Publication of daily newspaper at Albany temporarily halted by lightning-caused power failure at building located in Town of Colonie.				
Schenectady and Albany Counties	23	evening					4		Electrical
					Lightning-caused fire destroyed barn at Delanson. Garage crushed when large tree struck by lightning fell on structure.				
Schoharie and Columbia Counties	25	3 a.m. to 4 a.m.					5	4	Hail, wind, electrical
					Early morning thunderstorms were accompanied by damaging hail and winds in several local areas from Schoharie southward to eastern Columbia Counties. Hail of golfball size occurred in Cobleskill area as winds toppled many large trees, damaging apartment house, one of two homes and several automobiles. Fire caused by lightning destroyed large barn at Carlisle, Schoharie County with loss of milking equipment and eight head of calves. Large silo demolished and shed pushed off foundation by wind in Town of Chatham, Columbia County. One-inch hail caused extensive damage to corn and oat crops in four-mile long swath from East Chatham to Canaan but missed valuable apple crops in the Kinderhook area to the south.				
Genesee, Monroe and Wayne Counties	25	late a.m.				1	4		Electrical, hail
					Man injured by lightning at Batavia. Minor fire in basement of home at Lyons, Wayne, following lightning strike. Intense rainfall and marble-size hail fell in 30-minute period in Newark area. Power failures were widespread in the metropolitan Rochester area as well as around Batavia.				
Schenectady, Albany and Rensselaer Counties	25	afternoon					5		Electrical, wind, hail
					Second wave of vigorous thunderstorms on same date in parts of eastern Mohawk and upper Hudson Valleys with damage from winds, lightning and hail. Wind gusts flattened large circus tent at Guilderland, Albany County. Hail up to 2-inch size damaged wing and fuselage of several small air planes, broke windows and pitted siding of some 25 mobile homes in trailer park at Duaneburg, Schenectady County. Damage to windows and automobiles from hail also reported in Albany, Ontario and Waterford. Home in West Sand Lake, Rensselaer County, sustained extensive damage from lightning-caused fire. Power failures affected several thousand customers in the greater Albany-Troy area.				

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEW YORK (continued)									
Hampton, Washington County	25	11:40 a.m.	very short	20	0	0	3		Tornado
									Witnessed by several people, a funnel cloud dropped very briefly to ground, striking about 50 yards west of Vermont border, in the Town of Hampton. Small barn was unroofed and witnesses saw boards and debris swirling high above ground as funnel crossed border into Rutland County, Vermont. Site visited and witnesses interviewed by NWS meteorologist.
NORTH CAROLINA									
Cleveland, Moore & Rowan Counties		3 - 6 p.					4	0	Electrical
									Small textile mill, poultry house and farm machinery shed burned; 14 cattle under trees killed by lightning.
Robeson County		4 11 p.					4	0	Electrical
									Home struck by lightning and burned near Parkton.
Brunswick County		5 9 p.					4	3	Hail, wind
									Wind unroofed three homes at Ocean Isle Beach. Hail up to egg size reported, damaged gardens, shrubs.
Buncombe, Dare, Greene Harnett, Johnston, Lee Lenoir, Nash, Sampson, Wake, Warren, Wayne Counties		14 3 - 6 p.					5	5	Hail, wind, electrical
									Thunderstorms scattered from Mountains to Coast caused a variety of damage. Hail damaged crops and gardens in seven counties. Trees, a church and a storehouse hit by lightning. Wind blew off roofs, uprooted trees, damaged power lines.
Pitt County		15 5 p.					0	4	Hail
									Scattered damage to crops, mostly tobacco.
Onslow County		16 2:40 p.					0	0	Funnel cloud
									Reported by public, 8 miles east of Jacksonville.
Alamance, Chatham, Gaston, Guilford, and Orange Counties		16 2 - 6 p.			0	3	5	5	Electrical, wind, hail
									Trees blown down on two autos, injuring three occupants; other trees down with power and telephone outages several areas. Lightning set fire to textile mill. Hail damaged crops, mostly tobacco.
Jackson, Onslow, Pitt and Stanly Counties		17 3 - 6 p.					5	4	Electrical, rain, wind
									Thunderstorms caused power outages several areas. Heavy rains up to four inches in two hours caused flash floods which washed out roadways, construction sites and fields. Some wind damage to light structures.
Granville County		18 5 p.					0	4	Hail
									Tobacco crop damaged over a three square mile area.
Buncombe, Burke, Catawba, Gaston, Onslow, Pasquotank, Richmond, & Wayne Counties		21 Afternoon & evening					4	4	Electrical, wind, hail
									Several cases of minor fires and power outages due to lightning; two churches and several homes hit. Wind gusts to 69 m.p.h. reported at Elizabeth City Airport. Hail damaged crops several areas.
Burke, Cumberland, Greene, Lenoir, Pitt, Scotland, Wake, Wayne & Yancey Counties		23 Afternoon & evening					5	4	Electrical, rain, wind, hail
									Lightning caused many power outages; struck two homes and three barns in different areas. Wind blew down trees and several widely separated frame buildings; damaged roofs. Hail hit crops in at least three counties, with considerable damage to tobacco. Some local flash flooding.
New Hanover County		24 5 - 7 a.					4	0	Electrical, wind; pressure drop
									Thunderstorm with wind gusts to 52 m.p.h. at Wrightsville Beach. At a parking lot there, glass was broken from 40 autos, all glass falling outward. This freakish occurrence attributed to a sudden, unexplained, pressure reduction.
Catawba, Cleveland, Gaston, Lincoln Counties		24 7 - 11 p.			0	1	4	0	Electrical, wind
									Lightning struck man at trailer home, causing serious injury; power failures and house fires several areas. Trees, trailer blown over.
Hertford County		25 Early morning					0	4	Hail
									Tobacco crop damaged over several acre area.
Burke, Chatham, Nash, & Stanly Counties		25 3 - 7 p.			0	2	5	4	Electrical, wind, hail
									Two men injured by lightning in different areas. Trees blown down; several mobile homes and frame buildings destroyed or damaged by wind; two homes set fire by lightning. Hail damaged tobacco crop over a three square mile area of Nash County.
Mecklenburg County		26 5 - 6 p.			0	2	4	0	Electrical, wind, rain
									Two persons in Charlotte injured slightly by lightning. Power and telephones out several areas of city. Gusts to 37 m.p.h. recorded
NORTH CAROLINA (continued)									
Nash, Rockingham, Stokes & Wake Counties		27 4 - 10 p.					3	5	Electrical, hail, wind
									at Charlotte Airport. Heavy rain taxed storm drains; water 1-2 feet deep some streets. Several brief power outages. Hail damaged crops several areas. Wind blew down trees and corn crop.
Burke, Cumberland, Davidson, Guilford, Johnston, Mecklenburg, Nash, Sampson and Wake Counties		29 3 - 6 p.					5	5	Wind, rain, hail, electrical
									Wind gusts to 57 m.p.h. at Raleigh-Durham Airport. Private aircraft overturned and damaged at Clinton. Several homes and business buildings damaged or destroyed by wind. Lightning set fire to two trees and three buildings; killed seven cattle on two farms. Wind and lightning broke power lines. Hail damaged tobacco crop. Flash flooding some areas.
Cabarrus, Franklin, Halifax, Mecklenburg, Northampton and Wake Counties		30 4 - 8 p.			0	1	5	3	Electrical, wind
									Lightning struck and slightly injured man in Raleigh. Wind blew down trees and frame buildings several areas. Corn crop blown down over a small acreage.
Alamance, Forsyth, Granville, Harnett, Johnston, Mecklenburg, Mitchell, Pitt, Richmond & Wayne Counties		31 2 - 7 p.			1	1	4	5	Electrical, hail, wind
									Lightning killed one youth, injured another, in Wayne County tobacco barn; set several minor fires in scattered areas. Damaged power and telephone facilities. Hail damaged tobacco crop, mostly in Granville County. Several trees blown down.
NORTH DAKOTA									
Carrington area, Foster, Wells and Stutsman Counties		1 2:15 a.			0	0	4	C	Hail, wind
									Several farms in the Barlow, Borden, and Edmunds areas had heavy damage from hail. Hail damage was reported in all directions from Carrington. Wind blew down trees, overturned small buildings, and damaged roofs. A barn and other buildings were destroyed by wind near Woodworth. Wind damage also occurred at Sykeston and Heaton.
Hampden, Ramsey County		1 5:45 p.			0	0	0	0	Funnel cloud
									Reported by public 8 miles west of Hampden.
Starkweather area, Ramsey County		1 7:00 p.	1/4	20	0	0	0	0	Tornado, funnel clouds
									Three funnel clouds were observed by several people west of Starkweather moving southeastward. One touched the ground damaging trees.
Burligh, Emmons, and Logan Counties		4 early morning			0	0	0	3	Frost
									Frost damaged crops and gardens in scattered areas. Hardest hit were areas adjoining Beaver Creek, and in low areas of northeastern Emmons County; most serious damage was to corn.
Cass and Richland Counties		6 3:00 p.			0	0	0	4	Hail
									Three to six-mile wide swaths were cut through fields as hail up to the size of baseballs fell. Severe crop damage extended from Anemia, south through the Casselton, Durbin and Mapleton region and also the Kindred, Walcott and Colfax areas. Some spots in the Mooreton and Mantador areas received heavy crop damage.
Adams County		11 afternoon			0	0	0	3	Hail
									During a severe thunderstorm crops were badly damaged by hail in about five townships on the northern tier.
LaMoure and Ransom Counties		11 7:30 p.			0	0	3	3	Wind
									Strong winds during severe thunderstorms downed trees in Edgeley, did some minor damage to a few buildings from west to east across the middle of LaMoure County, hay loss was great from some stacks, and many rye fields were lodged. Very high winds broke trees and damaged telephone and electrical lines in Lisbon, and flattened many grain fields and scattered haystacks in Ransom County.
Fairmont area, Richland County		11 10:30 p.			0	0	4	C	Wind, rain
									Strong winds in a narrow area from northeast of Fairmont southward destroyed several barns and three large grain bins, damaged other buildings, flattened crops and uprooted trees. Only minor crop damage was caused by heavy rain during the severe thunderstorms.
Cass County		15 4:25 p.			0	0	0	3	Hail, rain, wind
									Thunderstorms with rain and hail whipped by strong winds caused heavy damage to crops south and west of Fargo. Hail up to 3/4 inch in diameter fell in West Fargo. Heavy rainfall flooded some fields. Most of damage due to hail.
Southwest and West Central		18 8:00 p.			0	0	4	C	Wind, hail
									Severe thunderstorms, some with hail and strong winds caused damage in scattered areas. A thunderstorm with high winds and hail swept a narrow path across Stark County leaving broken windows and battered fields. A radio tower at Beifield was demolished and damaged a pickup truck as it fell. Windows were broken, roofs and aluminum siding damaged and campers overturned at

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					KILLED	INJURED	PROPERTY	CROPS	
NORTH DAKOTA (continued)									
									Dickinson. Heavy damage to crops was reported about seven miles north of Belfield and some reports of damage were received from the Gladstone area. Some hail and wind damage occurred in parts of Adams County and hail caused damage in parts of Slope County. Grain crops along the southern border of Dunn County received severe hail damage and hail damage was reported north of Dunn Center, Werner and Halliday. Hail in the northern part of Mercer County caused severe crop damage north of Golden Valley.
South Central, Southeast, and Northwest	22	morning to afternoon			0	0	4	5	Hail, wind, rain
									Severe thunderstorms caused damage in scattered areas. A severe thunderstorm with hail up to golf ball size swept through Emmons County from west to east causing extensive hail and wind damage to crops and buildings. Crop losses were almost complete in a belt about two to five miles wide; some cattle injuries reported. Damaging hail was reported in an area 10 miles north of Selfridge, Sioux County. Hail hit an area 4 miles wide and 20 miles long in the Burnstad area, Logan County where crops were completely destroyed, cattle injured, windows broken, and roofs damaged. Golf ball to tennis ball sized hail cut a path from south of Lehr across Mcintosh and Dickey Counties causing moderate to total damage to crops and denting cars. Hail damage was reported in an area south of Crowswell, Sargeant County. In Cass County heavy rain and some hail flooded fields and flattened crops in the Casselton area. Hail damage was reported in the Forbes area, Dickey County. Hail caused considerable crop damage in the Columbus area of Burke County and caused up to 100 percent crop loss in a small area north of Stanley, McHenry County. Hail damage to crops was reported west and north of Crosby, Divide County.
Sioux County	27	7:15 p.			0	0	0	0	Funnel cloud
									Pilot reported a funnel cloud 55 miles southwest of Bismarck.
Wimbledon, Barnes County	28	6:50 p.			0	0	0	0	Funnel cloud
									Reported by public two miles north of Wimbledon.
Grace City area, Foster County	29	4:45 p.	3	20	0	0	4	0	Tornado
									The funnel was observed by several people before it struck the John Topp farm northeast of Grace City where it completely demolished and scattered for miles a 40 by 100 foot pole barn, unroofed and sliced open a silo, and removed a section of the roof of a barn it did not actually hit. The family saw the funnel approaching from the southwest and drove away in a car. The funnel was difficult to see until it went over a haystack and the bottom turned green. According to observers, the funnel trailed back from its cloud about a mile and a half. There was no wind and no rain fell. The clouds were high. The roar of the funnel changed to a whine and sounded like an explosion when the pole barn was sent into the sky. Fragments of the metal glistened in the sun. Evidence of the tornado was all along its path the following day.
Grace City area, Foster County (cont'd)									
Griggs and Nelson Counties	29	5:00 p.			0	0	*4	C	Wind, hail
									Strong winds during severe thunderstorms downed telephone lines in Griggs County. Hail damage to crops up to 100 percent occurred in the northern one-fourth of Nelson County.
Eddy County	29	5:20 p.			0	0	0	0	Funnel cloud
									Reported between McHenry and Hamar moving east.
McHenry area, Foster County	29	5:24 p.			0	0	0	0	Funnel cloud
									Reported two miles south of McHenry moving northeast.
Hannaford area, Griggs County	29	5:30 p.			0	0	0	0	Funnel cloud
									Reported moving northeast from three miles northwest of Hannaford.
OHIO									
Wooster, Wayne County	9	8:18p	1 3/4	100	0	0	4	?	Tornado
									Most of the damage caused by the tornado occurred at the Ohio Agricultural Research and Development Center. From 50 to 75 trees were uprooted and 500 greenhouse windows were broken. Damage was estimated at \$15,000.
Most of State	9	Afternoon-evening			2	?	5	?	Lightning, windstorm
									Ohio was hit by severe thunderstorms which caused widespread damage. At 4 PM Akron-Canton Airport reported winds of 58 m.p.h. Strong winds were responsible for broken windows, downed trees, and overturned boats and trailers. Two men were killed when lightning struck a tree under which they were standing at the mouth of the Grand River at Fairport (Lake County). A boy and his mother were electrocuted when they came into contact with a downed 4340 volt power line at the Rocky River Reservation of the Cleveland Metropolitan Park System.
Most of State	12	Afternoon-evening			0	?	5	3	Lightning, windstorm, hailstorm
									Ohio was again the victim of severe thunderstorm activity. In Shelby (Richland County) 16 Suffolk sheep

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					KILLED	INJURED	PROPERTY	CROPS	
OHIO (continued)									
									were killed when lightning struck the tree under which they had sought shelter. Also in Shelby hail caused damage to the corn crop. In Norwalk (Huron County) 3.5 inches of rain fell in 45 minutes. Heavy rains in many locations flooded fields and damaged corn, wheat and soybean crops. In addition topsoil and fertilizers were washed away. Near Painesville (Lake County) strong winds overturned a trailer and felled a barn which was under construction.
Findlay, Hancock County	13	Afternoon			0	?	5	0	Windstorm
									A severe thunderstorm accompanied by strong winds overturned 46 boats in a reservoir near Findlay.
Toledo, Lucas County	14	4:30a							Funnel aloft
Most of State	15	Afternoon-evening			0	?	4	?	Lightning, windstorm
									Severe thunderstorms brought widespread damage to many places in Ohio. Rainfall amounts on the 15th were nearly 4 inches in the Massillon and Akron-Canton area. Many places in Ohio experienced minor flooding as a result of the heavy rains. Strong winds felled many trees and lightning set numerous small fires and caused widespread and prolonged power outages. In Findlay winds of 58 m.p.h. were recorded. In a camping area near St Marys (Auglaize County) winds lifted many tents aloft and damaged several camping trailers.
Most of State	18	Afternoon			0	?	5	?	Lightning, windstorm
									In Cleveland lightning struck a rapid transit car and set fire to it. Damage was set at \$100,000. At the Cleveland airport winds up to 64 m.p.h. were recorded. Numerous small fires and power outages were caused by the lightning while tree limbs were felled by the winds.
Seneca County	19	Evening							Funnel aloft
Vermilion, Lorain County	23	7:45p	1 1/2	220	0	?	4	?	Tornado, waterspout, funnel aloft
									A cold front brought severe weather to the Vermilion, Ohio area. A waterspout came onshore from Lake Erie and did moderate damage to a home near Blue Bird Beach. Evidently the waterspout broke up as it hit the house. About half a mile east from Blue Bird Beach the roof of a lumber company building was lifted into the air and traveled in a circular motion south-southeast for 500 yards. The roof of another building was twisted off and seemed to stay suspended in the air for several seconds then fell into the building. It appeared that the damage was caused by a funnel cloud not touching the ground, but low enough to cause a sucking effect which removed the roofs of the two buildings. A tornado occurred about 6 miles south-southeast of the lumber company. The path was clearly visible as it passed mainly through the woods. The main damage was to the roof of a barn. Several people in the area heard a loud roar and saw the tornado cloud. Strong thunderstorms were reported in many other parts of the state on the 23rd.
Solon, Cuyahoga County	23	8:45p			4	2	?	?	Lightning
Toledo, Lucas County									Lightning killed three and seriously hurt two other fishermen as they were standing on the shore of a small lake near Solon. Another fisherman was killed on Lake Erie near Toledo. He was struck by lightning while sitting in his boat. Lightning was also responsible for setting small fires in both areas.
Southwest Ohio	24	Afternoon-evening			0	?	4	?	Windstorm
									Strong thunderstorm winds knocked down power and telephone lines in parts of Hamilton and Clermont Counties. Greater Cincinnati Airport recorded 46 m.p.h. winds.
OKLAHOMA									
Near Poteau, LeFlore County	1	11:10 a.	**50	15	0	0	4	0	Tornado
									A small tornado lifted a 12,000-pound mobile home into the air and set it down 50 yards northwest of its original location. The mobile home was declared a total loss by the owner. Direction of movement was not known.
Antlers area, Pushmataha County	1	Afternoon			0	0	?	0	Wind, 2 funnels aloft
									Strong winds caused considerable damage to roofs and small buildings in the area. One couple saw two definite funnels hovering over Antlers when they were enroute into town.
Greer County	1	5:00 p.-6:30 p.	7-10	*2	0	0	5	5	Hail, wind, rain

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					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (continued)									
1 1/2 NW of Madford, Grant County	1	6:00 p.	**75	15	0	0	0	0	Tornado
Rogers and Mayes Counties	1	6:00 p.	7	7	0	0	7	7	Hail, wind, rain
8 W of Ponca City, Kay County	1	6:50 p.							1 funnel aloft
Vance AFB, Garfield County	1	10:20 p.			0	0	0	0	Wind
Edmond area, Oklahoma County	2	1:42 p.			0	0	0	0	Hail
Near Pashuska, Csege County	2	1:45 a.			1	1	4	0	Lightning
Oklahoma City area, Oklahoma County	2	2:00 p.-3:00 p.			0	0	6	0	Wind, hail, rain
Norman area, Cleveland County	2	About 3:00 p.			0	0	7	0	Wind
9 N of Ada, Pontotoc County	2	3:00 p.-4:30 p.			0	0	3	0	Hail, wind, lightning
Perry, Noble County	2	Afternoon			0	0	0	0	Hail
About 11 W of Purcell, McClain County	2	About 4:15 p.	7	7	0	4	4	7	Wind, hail
Lindsay area, Garvin County	2	4:23 p.	15	*12	0	1	*6	C	Wind, hail, rain, 1 funnel aloft
19 ESE Ehid, Garfield County	2	10:41 p.			0	0	0	0	Hail
Wilson area, Carter County	2	Late Afternoon			0	0	7	0	Wind
Hobart, Kiowa County	2	7:42 p.			0	0	0	0	Hail

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (continued)									
West and North of Duke, Jackson County	2	About 8:00 p.			0	0	7	7	Wind, hail, rain
Gould and McQueen area, Harmon County	2	About 9:00 p.	5	*5	0	0	7	7	Wind, hail
Altus AFB, Jackson County	3	1:32 a.			0	0	0	0	Wind
18 NW of Hennessey, Garfield County	3	Between 2:00 a. and 3:00 a.			0	0	4	0	Lightning
Poteau, LeFlore County	3	About 6:30 a.			0	0	4	0	Lightning
Panola, Latimer County	3	8:56 a.			1	0	0	0	Lightning
Near Prague, Lincoln County	3	Evening			0	0	3	0	Lightning
Near Mutual, Woodward County	8	7:30 a.-3:00 p.			0	0	7	7	Rain
Between Burns Flat and Canute, Washita County	8	2:00 p.-3:00 p.	8	*2	0	0	4	4	Hail, wind
Butler and Posh Lake area, Custer County	8	3:00 p.-3:40 p.	12	*1-5	0	0	4	4	Hail, wind
About 7 E of Vici, Dewey County	8	Mid-Afternoon			0	0	4	0	Lightning
Granite area, Greer County	8	About 4:30 p.	7	7	0	0	7	7	Wind, hail, rain
East of Sweetwater, Roger Mills and Beckham Counties	8	Between 4:30 p. and 5:00 p.	4	*1	0	0	7	7	Hail
Mangum area, Greer County	10	Between 3:30 p. and 6:30 p.			0	0	7	7	Rain, hail

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JULY 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	
OKLAHOMA (continued)									
6 N of Adams, Texas County	17	2:15 p.	**200	20	0	0	3	0	Tornado
		A tornado completely destroyed a barn.							
Mooreland and Mutual area, Woodward County	18	Between 3:00 p. and 6:00 p.			0	0	?	?	Rain
		Heavy rain unofficially measured at 10 or 11 inches by some, caused severe soil erosion but very light crop damage due to the wheat having been harvested and few other crops planted. Some homes and barns were damaged by high water. The heaviest rain appeared to have fallen west and south of Mutual.							
Poteau, LeFlore County	20	Afternoon			0	0	4	0	Lightning
		Fire caused by lightning burned a home to the ground.							
Buffalo area, Harper County	28	4:00 a.			0	0	?	0	Wind
		Straight winds estimated up to 80 m.p.h. or greater caused heavy damage in some areas. A truck with a 50,000-pound gross load was overturned, several farm buildings were destroyed, trees were uprooted, utility service was knocked out and shingles were blown from roofs.							
Near Guyman, Texas County	28	6:00 a.			0	0	?	0	Wind
		Strong winds blew down an AMT tower. There was no other damage reported in the area.							
OREGON									
Southern Third of State	Most of Month	All days	350	*100-200	0	0	?	?	Drought
		Dry weather from early June continued through July with many stations across the southern one-third of Oregon still not receiving measurable precipitation by the end of the month. This continuing dry spell numbered 22 days along the southern coast while inland locations in the southern part of the State experienced 46-54 such dry days. Dry conditions across the northern two-thirds of the State were partially relieved by showers and scattered thunderstorms mostly occurring between the 24th and 31st.							
North Coast	2	During day	150	*5-10	0	0	0	0	Heat
		A developing heat low along the northern coast of Oregon produced a one-day hot spell from Astoria to Reedsport. Daily maximums ranged from 88° at Astoria to Tillamook, 91° at Newport and up to 95° at Honeyman State Park near Florence and at Reedsport. The dry east wind conditions lowered the relative humidity sharply at Newport with values ranging from 16-20% between 11:30 am and 7:00 pm. Maximum temperatures from North Bend on southward remained in the 60's and lower 70's.							
Eastern Oregon	6,7	All days			0	0	?	?	Lightning
		The influx of high level moisture by southwesterly winds produced thunderstorms in eastern Oregon that caused 105 lightning fires on National Forest lands with 78 of them occurring on the 7th. These small fires were controlled and numbered Deschutes 5, Fremont 6, Umatilla 7, Walt Whitman 4, Ochoco 8, Burns 8, and Malheur 26. Largest acreage loss was 9 acres in the Umatilla N.F.							
Newberg, Yamhill County	21	4:15p	0.6	7-15	0	0	3	0	Dust devil
		A warm sunny afternoon produced a very strong dust devil which formed at the west edge of Newberg. It passed through a trailer court just west of U.S. Highway 99W where it lifted a 23-foot trailer home off its blocking some 10 inches before dropping it. The trailer canopy was also blown off and a nearby boat and its trailer was blown into the side of a pickup. The vortex of dust was estimated 20-45 feet in diameter and lifted 60-75 feet in the air at times. The persistent dust devil skipped southeastward for 0.6 mile where it moved along a S-block path through a residential area of 8th and 9th Streets, just to the west and south of the High School. One home had its carport demolished and composition roofing damaged. The dust devil was last observed at an apartment complex under construction on 9th Street where it lofted debris and some lumber high in the air and made workmen take for cover.							
Most of State	24	All days			0	0	?	?	Lightning
		The return of high level moisture across Oregon by southwesterly winds brought another rash of 105 lightning set fires. Small fires were controlled in the National Forests numbering Deschutes 6, Fremont 20, Malheur 8, Burns 4, Umpqua 18, Winema 14, Walt Whitman 4, Rogue River 27, and Willamette 4 where only 26 acres were burned.							
Wallowa, Union, Baker Counties	26, 27	pm 26 - an 27			0	0	?	?	Lightning
		Thunderstorms across the Walt Whitman National Forest during the evening of the 26th caused 9 lightning set fires which blackened 86 acres before coming under control.							
Central Cascades and	31	Evening			0	0	?	?	Lightning

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OREGON (continued)									
Northeastern Oregon									Some 74 small lightning-set fires broke out on National Forest lands as evening thunderstorms developed. The Umatilla forest accounted for 12 fires which blackened 40 acres while fires elsewhere numbered Walt Whitman 12, Ochoco 20, Malheur 5, Mt. Hood 5, and Willamette 17.
PACIFIC									
NOT RECEIVED IN TIME FOR PUBLICATION.									
PENNSYLVANIA									
Berks County	3	Afternoon			0	0	4	0	Wind, rain
		Strong winds ripped through portions of Centre and Perry townships. The storm hit about 2:30 EDT and followed an east to northeast path. It tore roofs off buildings, ripped out giant trees by the roots and picked up and splintered two hay wagons in a field. Damage to a trailer, silo, small shed and windows was estimated at \$30,000. Electric and telephone lines were down in both townships.							
Southeastern Penna.	16	Afternoon - evening			0	0	95	0	Rain, lightning, wind
		Heavy rain, lightning and gale-force winds caused damage in three counties. There were reports of downed trees and interrupted electric services from the eastern portion of Chester County. Near York lightning destroyed a two-story barn including several tons of hay and straw, a baler, feed scale and a number of small farm tools. In addition to uprooted trees Berks County reported flooding in low-lying areas and heavy rain lashed corn crops severely. Lightning caused numerous instances of minor damage to property and utilities.							
Allegheny, Mercer and Lawrence counties	19	Afternoon			0	0	5	0	Rain, wind, lightning
		Severe storms were scattered throughout the region. In New Wilmington winds unofficially clocked at up to 70 miles per hour lasted for about 15 minutes and caused an estimated \$50,000 damage to power lines, homes, trees and roads. Lightning struck at least 2 structures and Route 158 was closed for about six hours because of the heavy downpour. In the Sharon area of Mercer County damage was mostly due to flash flooding. There were reports of scattered power interruptions. In the Lower Allegheny Valley heavy rains caused flash flooding which resulted in extensive damage to streets and homes. Water seeped under the asphalt coating on several streets causing an anticipated damage of \$100,000. Heavy winds and lightning caused trees to fall throughout the hillside residential area of Springdale borough causing damage to homes and power lines. Lightning caused temporary damage to electric transformers and minor damage was attributed to mud slides.							
Crawford County	25				1	1	0	?	Lightning, hail
		1/4 to 1/2 inch hail in North East damaged grape crop. One man killed, another injured by lightning in Union City.							
Centre County	25	Afternoon			0	0	4	0	Wind, lightning
		Trees were blown down in several places along Rt. 45 and lightning knocked out transformers. At the Centre Hall Airport, heavy wind tore the roof off the hangar and damaged two planes and destroyed a third.							
Schuylkill, Columbia counties	25	Afternoon			0	0	?	?	Rain, hail, wind, lightning
		Thousands of customers were left without electricity when fallen trees and limbs tore down power lines throughout the area. Minor damage to trees, small sheds and buildings was widespread. Hailstones the size of peas caused considerable damage to trees and crops in Columbia County.							
Philadelphia area	25	Afternoon			0	0	?	?	Hail, wind, rain
		Hail up to 3/4 inch diameter reported in Philadelphia area as severe thunderstorms moved through Southeastern Pennsylvania. Strong winds downed trees, blocking traffic.							
PUERTO RICO									
NONE REPORTED									
RHODE ISLAND									
Statewide	19	6:00 p. - 9:00 p.			0	0	5	0	Lightning
		Severe thunderstorms produced many lightning strikes and caused a massive power blackout. About 1.5 million kilowatts were cut off by the shutdown when 15,000 volt lines were struck. All of northern R.I. as far south as Coventry and Warwick was affected. In the Bay all of the island of Rhode Island was without power. Lightning struck two homes in Pawtucket, a trailer in Scituate and the roof of an apartment building in Cranston. Southern mainland R.I. suffered scattered lightning damage and isolated power outages.							
Statewide	25	Late afternoon, Early evening			0	1	5	5	Hail, lightning, rain, wind
		Two lines of thunderstorms, the first between 3 and 4 p.m. and the second between 5 and 7:30 p.m. produced lightning which started fires, hail which damaged crops, rain which flooded							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1972

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					KILLED	INJURED	PROPERTY	CROPS	
RHODE ISLAND (continued)									
									streets and buildings and high winds which downed utility lines. Gusts reached 75 mph on Block Island. Golf ball sized hail severely damaged the corn crop on the island of Rhode Island. Marble sized hail heavily damaged the apple orchards in Scituate. Flood damage was most severe in Providence, East Greenwich, Cranston, Warwick, East Providence and West Warwick. In Cranston, flood waters in one apartment house filled the 10 foot basement and covered two feet of the ground floor apartments. A mud slide at a housing project site in Warwick covered several cars. Lightning strikes were numerous, especially in Coventry, Cranston and Warwick where a policeman, using a portable radio, was struck and injured. There was nine reported strikes in Cranston.
SOUTH CAROLINA									
Richland County	4	5:40 p.			0	0	0	0	Thunderstorm, Hail The county sheriffs office reported 3/4 inch hail in Columbia.
Pickens County	4	2:00 p.			0	0	2	0	Thunderstorm, Hail Hailstones, some reaching the size of a golf ball, fell in Liberty along with high winds and rain. Many limbs were down, there were some power failures and two houses were damaged when uprooted trees fell on them.
Cherokee County	4	6:30 p.			0	1	0	0	Thunderstorm, lightning An 86 year old woman was injured by lightning in Asbury Community. A bolt of lightning struck as she opened a refrigerator door. She was hospitalized.
Marlboro County	4	9:00 p.			0	0	4	0	Thunderstorm, lightning A mattress factory in Bennettsville was struck by lightning and a large amount of cotton burned. The lightning entered the electrical system through a switch box.
Kershaw County	4	6:00-7:00 p.			0	0	4	0	Thunderstorms, high winds Winds up to 50 m.p.h. or greater did a variety of damage in the Wateree Lake area which was crowded with people for the holiday. Many limbs and some trees were downed. Several boats were sunk and a tree fell on the clubhouse of a Sailing Club. Some people felt slight electrical shocks due to the excessive amount of static electricity present in the air during the storms.
Aiken County	5	5:00 p.			0	0	3	0	Thunderstorms, hail, lightning Golf ball size hail fell in New Ellenton about 13 miles south of Aiken. Enough hail fell in five minutes to keep the ground covered for more than one hour. Lightning set several fires causing damage to an attic and electrical appliances.
Horry County	5	Late Afternoon			0	0	4	0	Thunderstorms, high winds, hail Violent thunderstorms with very high winds uprooted trees and did a variety of minor property damage at Windy Hill, 8 miles north of Myrtle Beach. The storms also dropped one inch diameter hailstones in some parts of Windy Hill. At Little River, about 20 miles north of Myrtle Beach, the top roof was blown off of an excursion boat on the intracoastal waterway. Although there were 70 persons on board, many of them on the upper deck, none was injured.
Clarendon County	8	4:00 p.			0	0	4	0	Thunderstorms, high winds High winds, moving from Lake Marion onto the western shore, damaged mobile homes and homes in the Lake Marion shores subdivision of the Santee area. One house lost a roof and it landed on an auto, destroying it. A house trailer was destroyed by a falling tree. Several other trees were downed.
Chesterfield County	14	6:00 p.			0	1	4	0	Thunderstorm, high winds, lightning A house trailer was turned over and demolished by high winds while another had a tree fall on it and it was also set fire to by lightning. It was essentially destroyed. There was street flooding which made several traffic lights stop working, and one accident resulted from this. One person was injured and hospitalized. Trees and limbs were downed and utilities disrupted over a large area. Lightning caused several TV burnouts as well as some other appliances.
Anderson, Bamberg, and Florence Counties	24	Late afternoon, Early evening			0	0	4	0	Thunderstorms, hail Locations in all three of these counties reported very large hail, exceeding one inch in diameter. Minor damage was caused by a few lightning fires and strikes.
SOUTH CAROLINA (continued)									
Sumter County	24	9:00 - 10:00 p.			0	0	4	0	Thunderstorm, high winds, lightning Several buildings suffered damage and some smaller sheds were destroyed by high winds at Pinewood in the southern tip of the county. There was a moderate amount of damage from lightning fires. Trees were downed and temporarily blocked state highway 261.
Anderson County	24	Time not known			0	2	0	0	Thunderstorms, lightning A woman was struck by lightning while closing the metal door of her camper at Lake Secession. She was knocked to the ground and her right side was numbed. She made a complete recovery. Two days later her father, also at Lake Secession, was struck by lightning while closing a window. He suffered a numbing of his shoulder for a short period of time.
Florence County	26	7:45 p.			0	0	0	0	Funnel Cloud A funnel cloud was reported 8 miles southwest of Florence.
Richland County	27	6:30 p.			0	0	4	0	Thunderstorm, high winds A partially constructed steel building collapsed in North Columbia due to high winds. It fell on two pickup trucks, two mobile office trailers and a drink machine. All were damaged considerably. In another section of town a woman closed the door on her grocery store after the wind blew it open. As she did the roof lifted off the building and landed in the backyard taking the rear wall with it. Although the store was almost totally destroyed, the woman was not injured.
Union County	27	Afternoon			0	1	3	0	Thunderstorm, high winds A trailer was overturned by high winds on Broms Creek Road about 3 miles east northeast of Union. The owner was inside and was literally buried in bedroom furniture. He dug himself out and sustained minor leg injuries. He was treated at the local hospital.
Saluda County	27	Late Afternoon			0	1	0	0	Thunderstorm, lightning A man was struck by lightning while operating a tractor on highway 23 near Batesburg. He was taken to a hospital and treated for an injured lung, laceration of the lower jaw and facial cuts.
SOUTH DAKOTA									
Edmunds, Faulk and Hand Counties	5	6:00 - 7:00 p	40	*2-3	0	0	4	5	Hail Hail averaging 1/2 inch with largest stones to 1 inch caused an estimated \$25,000 damage to property and \$250,000 damage to field crops from extreme southwest Edmunds County across Faulk County through east central Hand County. Storm moved from northwest to southeast.
McPherson and Edmunds Counties	5-6	11:00 p - 1:00 a	25	3,000-5,200	0	0	0	4	Hail Hail averaging 1/2 inch with largest up to 2 inches caused 10-80% damage to crops along a line from Greenway, Hillview, Hosmer to Roscoe.
Jerauld County	6	12:00 p - 1:00 a	20	*3	0	0	4	5	Hail Hail averaging 3/4 inch extended along a northwest-southeast line about 3 miles west of Wessington Springs damaging property and crops.
Potter County	7	5:00 - 6:00 p	20	*1-3	0	0	3	5	Hail Hail averaging 1/2 inch with largest up to golfball size extended along a northwest-southeast line near Gettysburg.
Bowdle-Hoven Area, Edmunds and Walworth Counties	7	5:00 - 6:00 p	15-18	*1	0	0	0	5	Hail Hail averaging 1 inch extended along a north-northeast to southwest line from Bowdle to Hoven damaging crops up to 100%.
Near Hermosa-Custer, Pennington County	7	6:00 - 6:30 p	3 1/2	800-900	0	0	0	4	Hail Hail averaging 1/2 inch with largest up to 1 inch extended along a line from 1 mile southwest of Hermosa to about 2 1/2 miles north-east of Hermosa. Storm moved from southwest to northeast.
Edmunds, Faulk and Hand Counties	7	8:00 - 9:00 p	25	*8-10	0	0	5	6	Hail Hail up to 1 3/4 inch extended along a northwest-southeast line from southwest Edmunds County across Faulk County through Onaka and Orient into Hand County and caused extensive damage to crops and property. This hail storm was probably the most damaging to crops

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SOUTH DAKOTA (continued)									
Pierre-Ohde Dam Area, Hughes and Stanley Counties	9	5:30 - 6:30 p	6	*4	0	5	5	0	Wind and hail
in the history of Faulk County. Wind gusts up to 89 MPH caused considerable damage in the area. A drive-in movie screen was destroyed. A camper-trailer was turned over pinning 7 members of a family in it and causing hospitalization to 5 of them. Numerous trees were uprooted at the Ohde Dam campground. A tourist information building caved in. Some roof damage was reported. Hail broke glass in 10 vehicles.									
15NNE Aberdeen, Brown County	11	8:25 p							Funnel cloud aloft
Groton, Brown County	11	10:00 p	?	?	0	0	3	3	Tornado
Tornado touched down briefly uprooting a few trees and causing a few windows to be blown out and breaking some power lines.									
12W Huron, Beadle County	11	10:30 p							2 Funnel clouds aloft
Rosholt-White Rock Area, Roberts County	11	10:00 - 12:00 p	15	*5	0	0	5	4	Wind
Strong winds caused considerable damage to property and crops in area. Many trees and buildings were damaged or destroyed.									
5N Murdo, Jones County	13	About 4:40 p			0	0	0	0	Hail
Hail of 3/4 inch fell in area but no damage reported.									
25W Winner, Todd County	13	About 10:00 p			0	0	0	0	Hail
Hail up to 2 1/2 inches fell in area but no damage reported.									
5NW Aberdeen, Brown County	15	8:45 p							Funnel cloud aloft
25NE Aberdeen, Brown County	15	9:20 p							Funnel cloud aloft
Near Harrington, Bennett County	16	5:20 - 5:35 p	13	*3-5	0	0	3	4	Hail
Hail averaging 1 inch with largest to 1 1/2 inches caused an estimated \$30,000 damage to crops and \$1,000 damage to other property.									
Near Wewala, Tripp County	16	10:08 p	?	?	0	0	0	0	Tornado and 2 funnel clouds aloft
Tornado apparently touched down in open country with no reported damage.									
Near Frederick, Brown County	19	4:45 p	?	?	0	0	0	0	Tornado
Tornado touched down briefly in open field then dissipated 3 miles south and 2 miles west of Frederick with no reported damage. Storm moved eastward.									
Aberdeen-Columbia Area, Brown County	19	4:30 - 6:00 p	5	*1/4	0	0	0	4	Hail
Hail up to 1 3/4 inch caused an estimated \$20,000 damage to crops. Apparently more than one hail swath passed through area during period. The path length and width given is for only one swath.									
SSW Wagner, Charles Mix County	19	7:00 p							2 Funnel clouds aloft
Huron Area, Beadle County	19	7:00 p	?	?	0	0	0	0	Hail
Near Ironquois, Beadle County	19	About 7:20 p	1/4	150	0	0	4	0	Tornado
Hail up to 3/4 inch fell in area but no damage reported.									
Tornado caused an estimated \$5-10,000 damage to farmstead 15 miles east of Huron.									
7NW Kyle, Shannon County	21	8:00 p	?	?	0	0	3	0	Tornado
Tornado touched down briefly uprooting trees and damaging a trailer home.									
Near Faulkton, Faulk County	22	7:30 - 8:00 a	20	*3-4	0	0	3	5	Hail
Hail up to 2 inches caused up to 100% damage to small grain crops. The hail on the 5th and 7th covered some of the same area. Storm moved from WSW to ENE.									
Aberdeen Area, Brown County	22	9:00 - 9:25 a	?	?	0	0	?	?	Hail
Hail up to 1 1/2 inch reported in area but no reports of damage.									
Milesville Area, Haakon County	22	4:00 - 4:10 p	15	*2	0	0	4	5	Hail
Hail averaging 1/2 inch caused an estimated \$50,000 damage to crops and \$5,000 damage to property. Storm moved from WSW to ENE.									
SOUTH DAKOTA (continued)									
15W Kadoka, Jackson County	22	5:30 p			0	0	0	0	Hail
Hail up to 1 inch reported but no reports of damage.									
6N Aberdeen, Brown County	22	About 7:15 p							Funnel cloud aloft
Rapid City Area, Pennington County	24	6:00 p	25	?	0	0	3	3	Hail
Hail of baseball size was reported 11 miles WNW of airport and golfball size hail was reported 3 miles NNW of airport causing spotty light crop damage and other property damage. Hail covered an intermittent path from lead to 15 miles ESE of Rapid City with a widely variable width.									
Utica, Yankton County	25	3:00 - 6:00 p			0	0	4	4	Heavy rain and flash flooding
Unofficial rainfall of 5 to 6 inches caused flash flooding in this small town. Water covered first floors of buildings up to 8 inches.									
10NNE Aberdeen, Brown County	25	5:58 p	?	?	0	0	0	0	Tornado
Tornado touched down for about one minute in open field with no reported damage.									
Ferney and Vicinity, Brown County	25	6:00 - 8:00 p			0	0	4	5	Heavy rain and flash flooding
Unofficial rainfall of about 8 inches caused flash flooding in this small town and surrounding area. Water up to 2 1/2 feet was reported in a parking area. Basements were flooded and foundations were damaged. The heavy rain caused extensive damage to crops in area.									
31NNW Rapid City Airport, Meade County	25	About 9:00 p							Funnel cloud aloft
12SSW Deadwood, Lawrence County	26	1:05 - 1:30 p	2 1/2	*1/2	0	0	0	2	Hail
Hail averaging 3/8 inch with largest to 3/4 inch caused light damage to crops. Storm moved from WNW to ESE.									
SSW Belle Fourche, Lawrence County	26	9:22 p							Funnel cloud aloft
Near Hayes, Stanley County	27	p.m.	15	*1-4	0	0	4	5	Hail
Hail up to golfball size caused severe damage to crops along a 15 mile path varying from 1-4 miles wide. One of the hardest hit areas was southwest of Hayes.									
53SE Pierre, Lyman County	30	8:30 p	?	?	0	0	0	0	Tornado
Tornado touched down briefly in open country with no reported damage.									
10E Plankinton, Aurora County	30	9:40 p	?	?	0	0	0	0	Tornado
Tornado touched down in open country with no reported damage.									
TENNESSEE									
Memphis, Shelby County	2	6:30p.m.			0	0	4	0	Wind, lightning, rain
Strong winds and lightning struck the city. No damage reported from lightning but scattered wind damage to power lines and trees. Hard rain fell for a short time.									
Savannah (39 SE Jackson) Hardin County	2	7:20p.m.	1/60	10	0	0	0	0	Tornado
Funnel cloud touched down but retreated back into clouds with no damage. Storm moved northeast.									
Bedford County	2	9:30p.m.			0	0	4	0	Wind
Wind damage in central portion of county. Several barns, trees and power lines down at the Tennessee Walking Horse National Celebration Grounds in Shelbyville. Winds estimated between 50 to 60 miles per hour.									
Robertson County	2	p.m.			0	0	3	0	Wind
Damage occurred locally in Springfield; some shingles were blown off roofs and some tree limbs were blown down.									
Middle Tennessee	2	p.m.			0	0	4	0	Wind
A severe thunderstorm caused scattered property damage from Franklin, Williamson County to Goodlettsville in Davidson County. Buildings damaged, barns destroyed, trees and power lines down.									
Northwest Tennessee	16-17				0	0	5	6	Flooding
Major flooding developed in parts of a ten-county area of north-west Tennessee on July 16th and 17th. Heavy rains on the 15th-16th averaged about 5.00 inches with the heaviest in the area of Dyersburg, Dyer County. Waters washed out portions of secondary roads, culverts, bridges and fences. Property damage was estimated at \$250,000 and crop damage at \$750,000.									
Oak Ridge, Anderson County	19	7:00p.m.			0	0	3	0	Lightning

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TENNESSEE (continued)									
Gatlinburg, Sevier County	19	4:30p.m.			0	0	3	0	Lightning
									Lightning damage occurred to a house on Walker Lane in Oak Ridge. Lightning bolt struck the chair lift operation at Gatlinburg Ski Resort. Fourteen persons riding in the lift were uninjured but stranded for one hour in the rain until electrical power was restored.
Greene County	23	Late p.m.			0	0	4	0	Lightning
									Series of thunderstorms moved across the mountains during night causing minor wind damage and setting several fires. The lightning set fires destroyed two barns with loss of equipment and 1500 bales of hay; damaged two homes and one mobile home.
Bradley County	25	1:30p.m.			0	0	4	0	Lightning
									Lightning struck a water pumping station on the Wiassee River near Charleston. The lightning bolt burned numerous wiring that required electrical contractors from Chattanooga to repair.
Williamson, Robertson, Montgomery Counties	27	6:50p.-11:30p.m.			0	0	4	0	Wind
									Gusting thunderstorm winds hit several places knocking down trees, wires, and causing scattered power outages. While most of the State reported thunderstorms, the activity was most intense in north-central Tennessee.
Weakley County	27	7:23p.m.							Funnel aloft
									Public sighted a funnel cloud near Dresden.
Memphis, Shelby County	28	4:49p.m.			0	0	4	0	Wind
									Thunderstorms with wind gusts measured up to 58 miles per hour caused some tree, power line, and structural damage in the Memphis Metropolitan area.
Crossville, Cumberland County	29	p.m.			0	0	4	0	Lightning
									A home in Crab Orchard was destroyed by fire believed to have been started by lightning.
TEXAS									
10 W Tullia, Swisher County	1	8:20 p							Funnel aloft
									A funnel cloud was observed 10 miles west of Tullia. It moved toward the southeast at about 35-30 m.p.h., but did not touch ground.
Hockley County	1	10:00 p-11:00 p	?	?	0	0	0	5	Wind, hail, rain, and Funnel aloft
									Wind, hail and heavy rains caused spotted crop damage in Hockley County. Near Levelland a "weather watch" vehicle was blown off the road and almost turned over by thunderstorm winds estimated at 60 m.p.h. A funnel cloud was observed aloft near Levelland.
15 SW Lubbock, Lubbock County	1	10:15 p	1/4	50	0	0	0	0	Tornado
									A tornado touched down briefly near Walforth, about 15 miles southwest of Lubbock. There was no known damage.
20 NW Hereford, Deaf Smith County	2	8:30 p	1/4	50	0	0	0	0	Tornado
									Tornado touched down briefly in open country and did not cause any damage.
12 W Plainview, Hale County	2	10:20 p	1/2	50	0	0	5	0	2 Tornadoes, windstorm, funnel aloft
									Two tornadoes dipped to earth briefly near the Halfway community, about 12 miles west of Plainview, but did not cause any known damage. A third funnel did not touch ground. At Edmonson, northwest of Plainview, thunderstorm winds caused an estimated 10 thousand dollars damage to the Andy Taylor Elevator. About two miles west of the Halfway community, a large grain storage tank was collapsed by the wind. The loss was estimated at 40 thousand dollars. In Plainview, scattered minor windstorm damage was estimated at 10 thousand dollars.
NE Idalou, Lubbock County	3	12:13 a							Funnel aloft
N Lubbock, Lubbock County	3	3:00 a	1/2	50	0	0	0	0	Tornado
24 NE Amarillo, Carson County	3	8:00 a							Funnel aloft
Near Ballinger, Rannels County	3	9:08 a							Funnel aloft
Near Redwater, Bowie County	3	3:45 p							Funnel aloft
8 WNW Abilene, Jones County	3	7:05 p							Funnel aloft
3 W Tuscola, Taylor County	3	7:08 p	1/4	50	0	0	0	0	Tornado
TEXAS (continued)									
Near Ovalo, Taylor County	3	7:08 p							Funnel aloft
Near Gary, Panola County	3	7:10 p							Funnel aloft
Toledo Bend Reservoir, Shelby County	4	4:10 a	1/4	400	0	0	0	0	Tornado
									Tornado blew down dead timber in the lake.
NW Tomball, Harris County	4	1:50 p	1/16	20	0	0	0	0	Tornado
									Tornado touched down briefly near Teige Road. There was no known damage.
East Bay Galveston, Galveston County	5	1:00 p							Waterspout
East Bay Galveston, Galveston County	5	2:05 p							Waterspout
Wheeler County	8	4:30 p	32	*2	0	0	4	5	Hail, rain and wind
									Hail, accompanied by heavy rain and high winds devastated the cotton crop in a two-mile strip across Wheeler County stretching from the Zybah community in the northeast corner of the county southwestward to near Memphis. The cotton stalks looked like small match sticks after the hail. Heavy rain and wind damaged cotton left by the hail. Crop losses were estimated at one quarter million dollars. Some homes suffered water damage from 3-60 inches of rain.
108 Pampa, Gray County	8	5:20 p-7:00 p	10	*5	0	0	4	5	Hailstorm
									Hail, averaging one-half to three-quarters inch in diameter severely damaged crops in a 5-by-10 mile strip beginning about 10 miles south of Pampa, east of S. H. 70, to 15 miles south of Pampa, and extending eastward to LeFors. Cotton and maize were hard hit. Rural homes suffered roof and window damage. Largest hailstones were 1 3/4 inches in diameter.
Near Popesville, Hockley County	8	Night							Funnel aloft
16 E Houston, Harris County	9	9:38 a							2 Funnels aloft
26 NW Houston, Montgomery County	9	11:58 a							Funnel aloft
Memphis, Hall County	9	6:30 p-7:30 p	1/2	*1/2	0	0	4	0	Hailstorm
									High thunderstorm winds destroyed a mobile home and damaged an old cotton gin building. Television antennae also were damaged. Total property damage was estimated at 10 thousand dollars.
Near Point Comfort, Calhoun County	10	10:09 a	1/2	30	0	0	0	0	Tornado
									Small tornado touched down between Olivia and Point Comfort but caused no damage. It moved toward the northwest.
Near Alvin, Brazoria County	11	10:30 a							Funnel aloft
Houston, Harris County	11	3:00 p			3	0	0	0	Lightning
									Three young girls were killed by a bolt of lightning as they returned from a neighborhood drive-in grocery during a rainstorm in northwest Houston. The three girls ages were 10, 14 and 15. A witness described the lightning as "a ball of fire".
Galveston Bay, Galveston County	13	6:30 a							3 Waterspouts
2 N Beaumont, Jefferson County	13	12:15 p	1/16	20	0	0	0	0	Tornado
									Tornado touched down in open country. No damage was reported.
5 S Deweyville, Orange County	14	1:15 p	3	50	0	0	0	0	Tornado
									Tornado moved northeastward into Louisiana. There was no known damage.
Near Lufkin, Angelina County	14	2:15 p-3:05 p							3 funnels aloft
Lake Livingston, Polk and San Jacinto Counties	15	1:20 p-1:45 p	5	20	0	0	0	0	Tornado
									Tornado touched down on Lake Livingston, then traveled northward. There was no known damage.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 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	
TEXAS (continued)									
Bailey, Farmer and Lamb Counties	17	6:00 p-11:59 p	20	*3	0	0	3	5	Hail, wind, rain and lightning
									Hail, wind and heavy rain damaged corn and grain across the northeast corner of Bailey County and included small portions of Farmer and Lamb Counties. Fire caused by lightning resulted in heavy damage to the James Glass home about five miles northwest of Muleshoe.
Near Muleshoe, Bailey County	17	8:05 p-9:00 p							4 Funnels aloft
Near Lazbuddie community, Farmer County	17	9:25 p							2 Funnels aloft
NW Earth, Lamb County	17	9:30 p	1	100	0	0	0	0	2 Tornadoes
									Tornadoes were in open country. No damage was reported.
Near League City, Harris County	18	8:00 a							Funnel aloft
Near Esperanza, Hudspeth County	18	5:50 p			1	0	0	0	Lightning
									A man was killed when struck by lightning on the Grady Miller farm near Esperanza.
Del Rio, Val Verde County	18	9:10 p			0	0	4	0	Lightning
									Lightning struck the Harold Martin home at 300 Nicholson Street and caused a fire which gutted the structure. Mrs. Martin said lightning apparently struck the telephone cable. Shortly after lightning struck the Martin home it struck a huge dead tree at the home of Mr. and Mrs. Victor Lee, 201 Avant Street. Because of its height, firemen had difficulty in fighting the fire in the branches of the tree, which is approximately 10 feet tall.
Tulia, Swisher County	19	3:30 p			0	2	3	0	Wind
									High winds were credited with aiding a single car rollover on Tulia's south edge that resulted in injuries to the two occupants of a lightweight foreign car. According to investigating policemen, the car was descending from the overpass at the intersection of S. H. 86 and I-27 when a wind current caught the light automobile and lifted it from the pavement. The auto landed on its front end and flipped once.
Vicinity Hueco Mountains, El Paso County	19	8:20 p-8:25 p	2	100	0	0	0	0	Tornado
									Tornado observed in open country, in the vicinity of the Hueco Mountains in the extreme northeast portion of El Paso County.
Los Fresnos, Cameron County	20	1:00 p							Funnel aloft
Hitchcock-Alta Loma, Galveston County	21	4:30 p							3 Funnels aloft
3 SW Galveston, Galveston County	21	5:20 p							Funnel aloft
Near Houston, Harris County	22				1	0	0	0	Lightning
									Mrs. Nellie Jane Finex, 34, was struck and killed by lightning while on a fishing trip and picnic near Lynchburg Ferry.
Near San Antonio, Bexar County	22				0	1	0	0	Lightning
									Gen. L. Poe, 31, a staff sergeant for the 433rd Tactical airlift wing of the Air Force Reserve, is one of few people struck by lightning who lived to tell about it. Poe lay on the ground paralyzed from his neck down. He could hear; he could think; he could talk and yell, but he couldn't move. "I thought I was on fire - I felt I was burning all over," Poe said. "We cut the grass under this big oak tree (he and his wife, Mary Louise), had a picnic lunch and then I decided to cut a few limbs off the tree." Poe said he had his arm raised cutting a limb when the bolt of lightning hit, coursed through his body and knocked his wife to the ground 25 feet away. Mrs. Poe said he ran to her husband's prostrate body, unlaced his jump boots and pulled them off because he complained they were on fire. She said she tried to remove his trousers but the zipper was welded together. The woman, near hysteria, could not move the 6-foot, 215-pound Poe, but at the same time did not want to leave him in a heavy downpour that followed the lightning bolt to go for help. So the couple stayed there for two hours until Poe was able to crawl with her help to their pickup truck. Mrs. Poe rushed her husband to the hospital but by the time they arrived Poe said he was able to step from the truck to a waiting wheelchair. "They had a hard time believing that I had been struck by lightning," Poe said. "The only evidence was that my body hair had singed and I had red streaks running down my arms and torso."
TEXAS (continued)									
Near Creedmoor, Travis County	22	11:06 a							Funnel aloft
Near Gilchrist, Galveston County	22	11:15 a	**50	10	0	0	0	0	Waterspout-tornado
North Matagorda Island, Calhoun County	24	8:40 a							Funnel aloft
6 SW Edna, Jackson County	24	8:40 a							Funnel aloft
Beaumont, Jefferson County	28	2:05 p							3 Funnels aloft
Nederland, Jefferson County	29	2:50 p-3:10 p	2 1/2	30	0	0	5	4	Tornado, rain and wind
									A small tornado skipped through the western edge of Nederland touching down in about four places. Damage was confined largely to Basco Lumber Company and Lewis Lumber Company on U. S. 59 in Nederland. At the Basco Lumber Company, an 80-foot section in the front of the building and a 90-foot section in the rear were ripped off by the tornado. A tree at the lumber yard was split in two. The tornado dipped into the back yard of the residence of E. P. Morales at 3512 Avenue F in Nederland where it demolished a utility building. Property damage was estimated at 200 thousand dollars. Rain and wind caused an estimated 25 thousand dollars damage to the rice crop in the area. The tornado moved from northwest to southeast.
Old Mecklenburg community, Gillespie County	29	4:35 p	4	*3	0	0	0	4	Hailstorm
									Hail fell in a 4-by-3 mile area of Gillespie County about 12 1/2 miles west of Fredericksburg, to about 15 1/2 miles west, crossing the Old Harper Road and U. S. 290 between Fredericksburg and Harper. Most of the hail was about 1/4 to 1/2 inch in diameter with some larger hailstones up to 1 3/4 inches in diameter. Pecan trees in the area lost about 1/2 to 2/3 of their pecans.
Galveston, Galveston County	30	3:00 p	?	?	0	0	4	0	Windstorm
									Thunderstorm winds wrecked new apartment buildings under construction on Tiki Island. The damaged sections were incomplete and unoccupied. There were no injuries.
SE Hallettsville, Lavaca County	30	Evening	1/4	10	0	0	3	0	Tornado
									A small tornado ripped the roof off a barn on the Charles Sommers farm a few miles southeast of Hallettsville. The roof was carried more than 100 feet from the barn site.
6 E Cuero, De Witt County	30	Evening	1/2	10	0	0	3	0	Tornado
									A small tornado ripped through the Cuero area around Burns Station where it damaged several houses and blew down numerous trees. The home of Monroe Cooper was damaged. Burns Station is located about six miles from Cuero on U. S. 87, south.
4 N Kingsbury, Guadalupe County	31	3:45 p-4:15 p	8	*4	0	0	4	3	Wind and hailstorm
									High thunderstorm winds ripped roofs off two houses, blew down power line poles and damaged porches, sheds and small out buildings in the area north of Kingsbury. Hail, averaging one-half inch in diameter, fell during the storm. A few hailstones up to four inches in diameter fell during the storm.
Ganado, Jackson County	31	4:15 p	?	?	0	0	0	0	Hailstorm, funnel aloft
									Hail, averaging one-half inch in diameter, fell at Ganado, with largest stones one inch in diameter. No damage was reported. Apparently a funnel cloud moved over the area, but did not touch ground.
San Antonio, Bexar County	31	5:50 p	?	?	0	0	4	0	Hailstorm, high winds
									Mrs. Korczynski said, "it got dark as midnight and sounded like a freight train was coming through the house."
									Hailstones up to 1 3/4 inches in diameter fell in the Valley Hi area in the southwestern part of San Antonio. There was no report of significant damage. Small hail fell in the Von Ormy area and several trees were uprooted.
La Coste area, Medina County	31	6:00 p-6:20 p	10	*4	0	2	4	5	Wind, hail, rain, funnel aloft
									High thunderstorm winds with hail and rain struck the La Coste area and caused considerable damage to homes, businesses and crops. A large shed at Bexar-Medina Implement Company was ripped apart, and the roofs and sides were blown across the street. The business and residence of Mrs. Margaret Keller suffered considerable damage, as did another Bexar-Medina Implement Company building. Several trailer houses were destroyed or badly damaged. Power lines and poles were blown down. Hail, wind and rain caused extensive damage to corn crops, pecan and fruit trees.
									Hailstones averaged three-quarters inch in diameter, with largest hailstones about one inch in diameter. One person was

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
UTAH	18	Aftn			0	0	0	0	Funnel clouds and strong winds
SSW Hanksville									Injured when struck by flying debris and another injured when struck by hail. A funnel cloud was observed, but it did not touch ground.
Nephi	19	Aftn			0	0	4	2	Whirlwind
25 miles E Milford	10-23				0	0	0	4	Lightning
VERMONT									
Southern	3	p.m.			0	0	4	4	Wind, lightning
Central	10	p.m.			0	0	4	0	Rain
State	16	evening			0	0	4	0	Lightning
State	19	p.m.			0	0	4	3	Lightning, wind, rain
East Fairfield	19	8:30 a.	2	50	0	0	4	3	Tornado
State	23-24				0	0	3	4	Lightning, hail
State	25	p.m.			0	0	5	5	Hail, lightning, wind, rain
Fair Haven	25	11:45 a.			0	0	0	0	Funnel cloud
VIRGIN ISLANDS									
VIRGINIA									
Chesapeake Bay Area	25				1	2	4	0	Lightning, wind
Norfolk	27	2:30 p.			1	2	0	0	Lightning
Virginia Beach	27	2:17 p.	2	narrow	0	2	4	0	Tornado-Waterspout
WASHINGTON									
WEST VIRGINIA									
WISCONSIN									
Taylor and Clark Counties	1	1645							Funnel Aloft
State	1	1800-2400			0	0	5	6	Hail, Wind
Northern Counties	4	AM							Frost
Jefferson County	11	1253							Funnel Aloft
Northern Counties	11	1600-2000			0	0	5	5	Wind, Hail
Crawford and Vernon Counties	12	Early AM			0	0	5	0	Rain, Wind
Fond du Lac County	14	1445	3	50	0	0	4	0	Tornado
Grant County	14	1738							Funnel aloft
Grant County	14	1700							Hail
Jefferson, Waukesha & Milwaukee Counties	14	1900	35	100	0	0	5	0	Tornado
Waukesha & Milwaukee Counties	14	1910	13	100	0	0	5	0	Tornado
Walworth & Racine Counties	14	1920	12	100	0	0	5	0	Tornado
Southern Counties	14	Evening			0	0	6	0	Wind, rain
Western Counties	16	1300			0	0	5	6	Hail
Sawyer County	16	1420			0	0	0	0	Hail
Trempealeau & LaCrosse Counties	16	1550	5	50	0	0	4	0	Tornado
Chippewa County	17	0035							Wind
Jefferson County	19	1315	2	50	0	3	5	0	Tornado
Kewaunee County	20	1530	4	100	0	0	4	0	Tornado

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WISCONSIN (continued)									
Outagamie County	20	1630			1	13	5	0	Lightning
					Lightning strike caused power failure at paper mill in Appleton permitting trichloroethylene gas in condenser to escape. One person killed and 13 injured. Gas used in bleaching process.				
Manitowoc County	20	1800			0	0	5	0	Lightning
					Fire believed set by lightning gutted Newton Feed Mill. Damage estimated at \$200,000.				
Sheboygan County	20	2100			0	0	4	0	Lightning
					Vacation home near Oostburg destroyed by lightning fire.				
Northwest Counties	22				0	0	5	0	Rain
					Heavy rains cause localized flooding of streets and basements. Also damage to roads in area. Minor overflow occurred along St. Croix mainly due to extremely heavy downpours in Minnesota.				

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					KILLED	INJURED	PROPERTY	CROPS	
WYOMING									
Chugwater	27	10:04 p.	?	?	0	0	0	0	Tornado
					A small tornado was spotted east of Chugwater by highway patrol. No tracking or damage reported.				
Thermopolis	31	Late Evening			0	0	0	0	Hail
					Hail up to one inch diameter caused damage to houses, outbuildings and crops on ranches on Owl Creek west of Thermopolis.				

- ¹ 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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