

U. S. DEPARTMENT OF COMMERCE  
ALEXANDER B. TROWBRIDGE, Secretary  
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION  
ENVIRONMENTAL DATA SERVICE

# STORM DATA

JULY 1967  
Volume 9 No. 7



ASHEVILLE: 1967

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
<b>ALABAMA</b>										
Ozark, Dale County	2	2:50 p								Funnel
		Two funnel clouds observed over Dale County Lake.								
Mobile County	5	9:35 a					3	0		Hail
		Hail one and three-quarter inch in diameter, eight miles south of Mobile.								
Huntsville, Madison County	11	Evening			0	0	4	3		Rain, Wind
		Almost three inches of rain fell in thirty minutes resulting in flooding of many streets and some residential and commercial property. High winds damaged trees, antennas, power lines and telephone lines. 75% of damage due to rain and 25% to wind.								
Mobile, Mobile County	19	4:00 p	?	?	0	0	2	0		Tornado
		Small tornado observed briefly about two miles southwest of downtown Mobile. Minor damage to one house and service station.								
Abbeville, Henry County	22	Evening			0	0	4	0		Electrical, Wind
		Vener Mill destroyed by fire caused by lightning. High winds damaged trees, antennas, windows and utility lines.								
Pell City, St. Clair County	29	1:15 p					2	0		Hail
		Hail of three-quarter inch in diameter fell briefly. Only minor damage. Strong winds occurred but no damage.								
		No report received by printing deadline								
<b>ALASKA</b>										
<b>ARIZONA</b>										
Coolidge (near)	11	1:00 a.			0	0	4	4		Wind and hail
		Strong winds damaged poultry farm near Coolidge and hail caused damage to cotton between Maricopa and Starfield.								
Casa Grande (10 mis. S.)	16	5:30 p.	1	10	0	0	4	0		Tornado
		Small tornado left about fifty persons homeless in the Indian village of Chui Chui, south of Casa Grande. Heavy rain and half-inch hail accompanied the storm.								
Clifton	18	7:00 p.			1	0	0	0		Lightning
		A 15-year-old boy was killed instantly when struck by lightning during a thunderstorm.								
Wittmann	29	9:55 p.			0	0	4	0		Tornado
		Small funnel cloud destroyed several houses. Additional property damage to carports, house trailers and utilities.								
Cordes (near)	30	5:00 p.			0	1	2	0		Lightning
		Lightning struck moving automobile causing slight injury to young boy inside.								
Phoenix	31	10:00 p.			0	0	4	0		Wind and rain
		Strong winds accompanying a thunderstorm caused considerable property damage to the west side of town. Some local flooding, but nearly all damage caused by wind.								
<b>ARKANSAS</b>										
Clarendon vicinity - Monroe County	12	Daytime			1					Lightning
		Man killed when struck by lightning while driving a tractor.								
Cuy - Faulkner County	28	Evening	1 1/2	100			3			Small tornado
		Power lines down and trees blocked Highway 25. Barn damaged and slight damage to two homes.								
Augusta - Woodruff County	28	Evening	?	?			4			Wind storm
		Two new trailers completely destroyed in the McCain addition.								
Parkin - Cross County	28	8:30 p.				2	3			Lightning
		House completely burned down after lightning strike. Man and wife seriously burned.								
<b>CALIFORNIA</b>										
<b>COLORADO</b>										
Boulder, Jefferson County	1	3 - 4 PM					4	0		Hail
		Hailstones up to 2" diameter damaged roofs and broke windows in northeast section of Boulder. A funnel cloud was reported at 3:10 PM in the foothills area near Boulder. Hailstones 1 to 2" diameter were reported at Jefferson County Airport at 3:38 PM.								
Larimer and Weld Counties	2	4 - 5 PM					4	5		Hail, Wind, Rain
		A severe hailstorm, originating northwest of Fort Collins, moved east-southeastward, causing damage to crops and property in an area beginning at the eastern edge of Fort Collins and extending to the Galatin area northeast of Greeley, and southeastward to the Hardin - Kumer area east of Greeley. From 7,000 to 10,000 acres of crops were severely damaged. Hailstones up to 2" in diameter fell in some areas. Most damage was from hail, with additional damage contributed by high winds and heavy rain.								
<b>COLORADO (Cont'd)</b>										
Denver Area	3	4:05 PM						4		Hail, Rain
		Hailstones 1-3/4 to 2-1/2" diameter damaged cars and buildings in southwest Denver and Littleton. Hail drifted to depths of 3 to 4 feet in some areas. Hail caused damage and streets were flooded by heavy rain in other parts of the western portion of the area.								
Weld County	3	4:15 PM						1*	C	Hail
		Hail damaged crops and property from a point just east of Windsor southward to the Milliken - Johnstown area where golf ball sized hailstones were reported.								
Denver Area	3	7:40-7:45 PM						0	0	Tornadoes (3)
		Tornadoes were reported 15 miles southeast, 6 miles north, and 15 miles west-northwest of the Denver Airport. No damage reported.								
Otero County	3	8:08 PM								Hail
		Hailstones 1" diameter reported 10 miles south of La Junta Airport. No reports of damage.								
Kiowa and Prowers Counties	4	3 - 5 PM						2	0	Tornado, funnel
		A tornado at 3:38 PM damaged a powerline and downed telephone poles 4 miles west of Eads in Kiowa County. A funnel cloud was reported at 4:45 PM 15 miles east of Lamar.								
Otero County	6	7:12 PM								Hail
		Hailstones 1" diameter reported near La Junta. Amount of damage not reported.								
Saguache	7	Late PM							2	Lightning
		One woman was slightly injured and another required resuscitation and hospitalization when lightning struck a telephone line they were using.								
Denver Area	7	1 - 2 PM					1	6	0	Heavy rain, Hail, Lightning
		A storm of cloudburst proportion caused damage from flooding in areas of southwest and south Denver. Unofficial reports indicated rainfall of two inches in less than 1/2 hour, and more than three inches total for the storm. Streets and buildings were flooded by the heavy run-off in several areas. Hail in some areas contributed to flooding by blocking storm drains. Water accumulated 12 to 14 feet deep in several underpasses and some street intersections. A young woman was drowned in southwest Denver when she tried to cross the street and was swept off her feet and trapped under a parked car. Water reached a depth of five feet in the street. Police rescued numerous stranded motorists. The roof and wall of a flat-roofed store building collapsed from the weight of water unable to drain away rapidly enough. Cars were washed over curbs in several areas, and 100 - 150 homes were flooded in one southwestern area. Wind toppled trees in several areas. Hail caused damage in other areas of the city, and in Aurora. Snowplows were called out to clear some highways and runways at Stapleton Airport. Lightning damaged trees and powerlines, and started a fire which caused extensive damage to a motor dealer's establishment.								
Larimer County	7	PM						1		Lightning
		A man herding cattle about 18 miles northwest of Fort Collins, and the horse on which he was riding, were killed when struck by lightning.								
Delta County	7	Night						4*	C	Heavy Rain
		Heavy rains washed out an irrigation canal and flooded homes in the Paoia area.								
Custer County	7	5 - 6 PM						4*	C	Hail
		Hail damaged buildings in Westcliffe and damaged crops in the Wet Mountain Valley area. Hailstones were as large as golf balls.								
Jefferson County	10								4	Hail
		GOLF ball-size hail damaged aircraft at Jefferson County Airport.								
El Paso County	10	3:50 PM								Funnel
		A pilot reported a funnel cloud 16 miles north-northwest of Colorado Springs.								
Colorado Springs Area	11	1 - 3 PM						5		Heavy rain, Hail
		Heavy rain, unofficially reported at 2-1/2 to 3 inches in about 90 minutes, caused flash flooding of areas in and around Colorado Springs. Hail contributed to the flooding by blocking storm sewers. Scores of motorists were stranded and several were rescued by police. A Fort Carson Army helicopter rescued 3 men from a sinking truck. Damage was extensive to roads and streets, city facilities, powerlines and homes.								
Weld County	14	7:00 PM								Tornado
		A tornado was reported 5 miles north of Roggen, touching ground briefly with no damage.								
Denver Area	14	5:00 PM						4*	C	Heavy Rain
		Heavy rain flooded suburban areas north and west of Denver, and high water closed street intersections in Denver. Crops were damaged and 200 chickens drowned by flooding northwest of Denver, and farm buildings and irrigation facilities were damaged.								
Washington County	15	4:05 PM								Funnels
		Funnel clouds were reported 10 miles east of Akron. Unconfirmed reports indicate one or more may have touched ground.								

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
<b>COLORADO (Cont'd.)</b>									
Denver Area	15	1:30 PM					4		Heavy rain
									Heavy rains flooded streets and underpasses in southwest and southeast Denver. Heavy rain and slight wind damage were reported in Wheatridge, Aurora, Englewood, and Littleton. Basements were flooded and power disrupted.
Dinosaur National Monument	16	2:00 PM							Funnel
									Park Service personnel reported funnel cloud.
Garfield County	16	3:30 PM			0	0	4		Heavy Rain
									A cloudburst washed out the roadway and caused mud and rock slides on the highway 2-1/2 to 4 miles west of Glenwood Springs. About 100 automobiles were stranded between seven separate slides. One slide pushed a car off the road into the Colorado River. Damage was heavy to highway and railroad bed.
Florence	17	4:45 PM					4		Heavy rain, Hail
									Heavy rain caused flooding of basements in a 10 block area. Hail damaged trees and gardens, and there was some lightning damage.
Denver Area	23	1:35 PM							Funnel
									A funnel cloud, possibly a tornado, was reported 10 miles ESE of Denver Airport, moving southeast.
Adams County	24	PM					4	C	Heavy Rain
									Seven bridges washed out along a normally dry creek bed south of Colorado State Highway 7, west of Brighton. One car was washed into the creek when a bridge gave way.
Morgan County	25	3:10 PM							Funnel
									An aircraft reported a funnel cloud 35 miles NW of Akron.
El Paso County	25	8:06 PM							Funnel
									A funnel cloud was reported 10 miles NNE of Colorado Springs.
El Paso County	27	5:53 PM							Funnel
									A pilot reported a funnel cloud 20 miles east of Colorado Springs.
Lincoln County	27	7:00 PM							Funnel
									A pilot reported a funnel cloud 60 miles north of La Junta.
Fremont County	31	3:30 PM					4	0	Lightning
									Lightning caused extensive damage to a power substation and lines near Fenrose.
Rio Grande County	31	PM					0	5	Hail
									Hail damaged barley, lettuce, and potatoes in an area 8 miles long and 1 mile wide from near Monte Vista into Conejos County. Hailstones as large as golf balls were reported.
<b>CONNECTICUT</b>									
Eloomfield, Hartford County	11	3:00 p			0	1	0	0	Lightning
									Boy sustained significant chest burns from lightning strike.
Hartford County	25 27 28	PM			0	0	0	5	Hail
									Hail somewhere in county on these 3 days caused damage to several corn fields and about 200 acres of tobacco were destroyed.
<b>DELAWARE</b>									
Northern New Castle County	21	Late afternoon and evening			0	0	4	0	Wind, rain, hail
									In scattered areas, trees were downed by severe thunderstorms. Heavy rain caused local flooding of roads and basements. Hail to the size of moth balls was also reported; however, no damage was indicated. In Brandywood children made snowballs of the hail accumulation.
<b>FLORIDA</b>									
Palm Beach County	1	2:24p.							Funnel aloft
Dade County	2	about 2:00 p.			2	1	0	0	Lightning
									Two men killed while fishing, one in Miami and one at 40-Mile Bend. One six-year-old boy critically injured in Miami.
Monticello, Jefferson County	2	afternoon			0	0	3	0	Thunderstorm
									Thunderstorm with winds estimated at 65 miles per hour and hailstones the size of golf balls.
Titusville, Brevard County	6	1:17 - 1:22 p.							Funnel aloft
Venice, Sarasota County	8	7:03 a.							Funnels aloft (3)
Fort Lauderdale, Broward County	8	9:22 a.							Funnel aloft
Lake Eazy, Polk County	9	4:25 p.							Waterspout
<b>FLORIDA (Cont'd.)</b>									
Panama City, Bay County	12	about 11:00 a.							Funnel aloft
Tampa	14	6:30 p.	3-4	150	0	0	3	0	Tornado
									Confirmed tornado moved across the middle section of the Palma Dela district of Tampa, across the bay to the east, and across Devis Island. Damage was minor.
Manasota Key, Sarasota County	14	7:40 a.							Waterspouts (6)
Stuart, Martin County	15	9:00 a.							Waterspouts and funnels aloft
									Two waterspouts and several funnels aloft sighted over eastern Martin County.
West Palm Beach	15	1:15 p.							Funnels aloft (2)
Lake Alfred, Polk County	16	9:00 - 9:35 a.			0	0	0	0	Hail
									Heavy thundershower with hail one inch in diameter. Rainfall 1.80 inch in 35 minutes.
Polk City, Polk County	17	1:20 p.							Funnel aloft
Fort Pierce, St. Lucie County	18	evening			0	2	3	0	Lightning
									Utility pole struck by lightning fell and struck an auto on U. S. 1, injuring 2 of the 4 occupants.
Tisonia, Duval County	19	4:00 p.			0	0	0	0	Hail
									Hail one inch in diameter fell at Tisonia, north of Jacksonville Airport.
Orlando	21	3:25 p.			0	0	0	0	Hail
									Hail 3/4 inch in diameter 4 miles south of Orlando.
Jacksonville	21	5:30 p.							Waterspouts (3)
Okeechobee, Okeechobee County	22	afternoon			0	0	3	0	Lightning
									Twenty-five replacement heifers killed by lightning.
Tampa	22	4:15 p.			0	1	0	0	Lightning
									Airline employee injured at Tampa International Airport while standing with hand on a DC-8 airliner when plane was struck by lightning.
Lakewood Park, St. Lucie County	23	afternoon			1	0	0	0	Lightning
									Man struck by lightning while pulling his boat from water.
Oak Hill, Volusia County	29	11:40 a.							Funnel aloft
Port St. Lucie, St. Lucie County	29	1:15 p.							Funnels aloft (2)
Orlando	31	afternoon			1	4	0	0	Lightning
									Lightning struck a small shed in which 6 persons had taken refuge from a thundershower. Only one of the injured was hospitalized.
<b>GEORGIA</b>									
Wenona, Crisp County	2	7:45 p	Short	Narrow	0	3	3	0	Tornado
									Three trailer homes overturned and three people injured slightly 7 miles south of Cordale. State Trooper reported funnel touched down briefly.
Southwest	2	pm			0	0	4	0	Wind, rain, and lightning
									Heavy rains caused street flooding in Columbus and high winds uprooted trees and damaged roofs. Severe thunderstorms, with heavy rain and strong winds, hit several other communities, including Albany, Americus, Blakely, Cordale and Sylvester. Lightning-started fires destroyed two residences in Cordale.
Taylor County	7	pm	?	?	0	0	4	0	Tornado
									A hatchery and several farm buildings were demolished or heavily damaged and a row of pecan trees were blown over or twisted off 7 miles north of Butler.
Sylvania, Screven County	7	5:45 p	Short	Narrow	0	0	4	0	Tornado
									Storm touched down briefly, unroofing three residences, an Implement Company and damaging a church. Golf ball size hail fell in the area and telephone and electric service was interrupted.
Atlanta Area	8	pm			1	0	3	0	Wind and rain
									A small child was drowned in a rain-swollen stream and numerous streets were flooded. Power and telephone lines were knocked down and service was interrupted in several areas of the city. Heavy rain and wind also hit adjoining Douglas County.

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS		
GEORGIA (Cont'd.) Thomaston and Upson County	8	Night			0	0	4	4	Wind, rain and hail	
	A large Thomaston warehouse collapsed under the weight of accumulated rain water. Trees were uprooted and several buildings were damaged by wind. Hail and wind caused an estimated \$30,000 damage to the peach crop in one Upson County orchard.									
Statewide	9	pm			1	1	4	5	Wind, rain, hail and lightning	
	Severe thunderstorms in many areas of the State resulted in widespread damage. A 15-year old boy was killed by lightning while swimming in the Atlanta area. Windstorms were reported in Bibb and Houston Counties with damage to trees and utility lines. Lightning started fires in 3 Macon residences and a woman was injured at Centerville when she was apparently struck by lightning. Marble size hail fell for 15 minutes in downtown Columbus and heavy rains caused flooding in some sections of the city. Extremely heavy rains in northwest Georgia, following several days of rain, caused heavy damage to roads, bridges, crops and farmland. Gordon and Floyd Counties were especially hard hit. Two house fires were started by lightning in Tifton and electrical and telephone services were interrupted there and at Hawkinsville.									
North	13	pm			0	2	3	0	Lightning, wind and rain	
	A boy was knocked unconscious by lightning near Newman and was revived by mouth-to-mouth resuscitation. A young Walton County girl was deafened in one ear and slightly burned when lightning struck while she was talking on the telephone. Heavy rains and wind hit several other sections of the State.									
South and Central	22	pm			0	0	4	0	Wind, rain and lightning	
	Streets were flooded in Augusta and lightning caused at least 6 separate fires. Three houses were destroyed or damaged in Dublin after being struck by lightning. Winds unroofed a new house at Waynesville in Brantley County.									
Hilledgeville, Baldwin County	23	5:15 p	?	?	0	0	3	0	Tornado	
	Reported by Airport operator. Damage confined to trees. Moved southeastward.									
Marion County	23	7:30 p			0	2	0	0	Lightning	
	Two girls were knocked unconscious and burned when lightning struck their home.									
Sylvester, Worth County	24	7:25 p			0	1	4	0	Lightning, wind and rain	
	A man was knocked to the ground and slightly injured by lightning. Electrical service was interrupted several areas were flooded. Heavy rains also flooded many streets in nearby Albany.									
HAWAII									None reported	
IDAHO										
Rexburg	2	Midnight							Wind	
	Large machine shed completely destroyed and scattered over 1/2 mi. area by "small twister". Minor damage to machinery. Some grain blown down.									
American Falls Reservoir	3	9:00 p.					3		Wind	
	At least 20 boats were swamped by 6-foot waves in sudden squall. No injuries reported, but heavy damage to boats.									
Midvale (Washington County)	3	?					4		Hail	
	Brief storm with hailstones 3/4 inch diameter leveled strip of farmland. 35% damage to wheat and 50% to barley and oats. Also some damage to alfalfa seed crop and to garden.									
Buhl	3	?					3		Lightning	
	Lightning-caused fire destroyed stack of approximately 3,000 bales of hay.									
Bancroft (Caribou County)	5	12:30 p.					5		Hail	
	Hailstones 1/2 to 1-inch diameter damaged crops on about 15,000 acres 2 mi. south of Bancroft.									
Bancroft	8	?					?		Hail	
	Heavy damage to wheat between Bancroft and Alexander. Hail piled up to 3-inch depth on fields and about 6 inches on parts of U.S. 30 N.									
Rexburg	14	Morning					?		Wind	
	"Twister" hit Plano area, northwest of Rexburg, ripping corrugated roofing off large potato pit, breaking timber framework and lifting out several bales of hay. Parts of roof were scattered 1/2 mile.									
Fremont County	17	All day							Rain	
	Rain throughout day caused local flooding and considerable soil erosion. At Ashton 1.78" fell in 12 hours, with heaviest rain 2:30 to 4:00 p.m.									
Elmore County	18	5:00 p.			1				Lightning	
	Lightning strike near Featherville killed sheepherder and dog, injured companion.									
Spencer (Clark County)	18	7:00 p.	6	*5			?		Hail	
	Hailstones as large as golf balls stripped leaves from trees, flattened gardens and caused considerable damage to hay fields. Hail reached depth of 7 inches on streets.									
Fremont County	18	9:00 p.					5		Hail	
	Grain loss estimated at 50% or more in St. Anthony-Ashton-Marysville area. Hailstones averaged 1/2" to 3/4" diameter, with some as large as 1 inch.									
ILLINOIS										
Carroll County	1	12:30-1p						?	?	Hail
	Hail to 1" damaged crops in Lanark area.									
Central	9-10	night						06	C	Heavy rain
	Local flooding several central areas especially to east of St. Louis. Greatest damage Centralia with nearly 7" total and more than 6" in 10 hours. Vandalia 5" with more than 3" numerous stations.									
Northeast	11	2p						?	?	Hail
	Hail to 1" 27 miles north O'Hare International.									
North	18	3:30p						06	C	Hail
	Hail to 2 3/4" 8 miles north O'Hare International. Frequent hail northern Ill. during afternoon with considerable crop damage.									
Knox County	19-20	10:30p-2a						04	C	Hail, heavy rain
	Crops damaged by hail to 1". Local flooding with rain totals as much as 3" to 4". Greatest damage vicinity Gilson.									
Near Springfield	20	2:42p								Funnel cloud
	W. H. employee observed funnel cloud 15 SE SPI.									
Chicago vicinity	23	4:30a								Funnel cloud
	Three funnel clouds, one well developed, 15 WSW O'Hare International. Wind gusts to 44 mph and 1" rain in 10 minutes.									
Livingston County	23	12:30p			0	0	5	0		Wind, rain
	Severe thunderstorm with high winds struck camping area near Cornell. A few small trailers overturned. Most damage from heavy limbs and portions of unsound trees falling on trailers, tents, and camping equipment and cars. A few minor injuries only.									
Central	23	evening						06	C	Hail, lightning, wind and rain
	Squall line crossed north portion of central Ill. with considerable damage to both crops and other property from wind, hail and local flooding. Funnel clouds and scattered wind damage from north of Peoria to south of Decatur. Rain totals as high as 6". Nearly 5" Avon in 5 hours and more than 9" in 6 days. Highways blocked and some fields covered 3 to 6 feet by water. Hail wide spread. Wind damage especially heavy Fulton Co.									
Stark & Marshall Cos.	23	6:00p	10	50	0	0	04	C		Tornado
	Corn fields flattened and buildings damaged as tornado moved SE from just east of Castleton to west of Sparland. Sighted by State Police at 6:04p four miles west of Sparland.									
Northern	26	10a-8p			0	0	06	C		Funnel clouds, wind, hail, rain
	Numerous funnel clouds in Chicago area in morning and spotted over northern Ill. in afternoon. 3/4" hail NNW Rockford with major hail damage to crops in Bureau, La Salle, Livingston and nearby counties. 24-hour rainfall totals often 3" to 1". Local flooding several areas with \$500,000 damage in Peoria County along Kickapoo Creek.									
Union County	31	5:05-20p			0	0	04	C		Hail, wind
	Hail 2 1/2" Anna-Cobden area with damage to fruit and grains. Wind broke trees and caused minor structural damage.									
Northern	17-31									Hail
	Crop damaging hail was reported in Illinois on 14 of last 15 days of July, mostly in northern half. Damage was especially extensive and severe on 18th, 21st, 28rd and 28th and often combined with wind and local flood damage.									
INDIANA										
Huntington, northern (Huntington Co.)	1	E.S.T. 11:55 p.	1/2	300	0	2	4	0		Tornado
	Small Pizza establishment collapsed injuring two workers. Trees were downed, electric power pole twisted off, car wash damaged and awnings torn from buildings.									
Evansville	10	4:30 - 7:00 p.			0	1	6	3		Rain, lightning, wind
	Three inches of rain in 1.5 hours in downtown Evansville flooded basements, streets, and drowned electric and telephone lines. One person slightly injured from lightning and there were numerous small losses resulting from wind blowing down trees and lines. State Inspector for Division of Labor estimated loss at \$500,000 to city and county buildings.									
Cedar Lake, near	13	5:20 p.								Funnel cloud
Columbia City area	19	1:45 p.	9	*4 to 1	0	0	3	5		Hail
	Hail storm which lasted about 25 minutes did extensive damage to corn and soybean crops and to vegetable gardens. Most hail was pea size but some measured 1 1/2 inches in diameter.									
Kokomo, 15 miles S. on U.S. Rd. 31	19	4:45 p	?	?	0	0	3	3		Hail
	Hail to 1 3/4 inches in diameter.									

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS			
INDIANA (Cont'd.) Plainfield, 5 miles N. (Hendricks Co.)	19	About 6:00 p.	?	?	0	0	3	3	Hail, wind	IOWA (Cont'd.) 5S Humeston	23	7:47 p							Funnel cloud		
									Resident of area reported several trees blown down and ground covered with hail to 3/4 inch in diameter.	Moulton, Appa- noose County	23	8:00 p			1	4	4		Windstorm		
Clinton County	19	About 6:30 p.	?	?	0	0	3	4	Hail	Moulton	23	8:00 p							Funnel clouds		
									Damage to corn and soybean crops occurred in the eastern part of the county from Kirilin through Forest.	Davis County	23	8:30 p					4	4		Windstorm	
Bryant and Trinity area (Jay Co.)	19	6:30 p.	10	50 to 500	0	0	?	5	Funnel cloud, hail, wind, lightning	Audubon	26	1:27 p							Funnel cloud		
									Damage to crops in a 2 to 3 square mile area, approximately 5 miles east of Highway 7 and along the south side of Highway 67, estimated by County Extension Agent to be \$150,000. Less damage to crops in other parts of 10 mile path of hail and wind. Some hail measured 2 1/2 inches in diameter. Residents in area saw funnel cloud about ten miles west of heavy hail. Five hundred twenty-five turkeys were frightened and smothered. Five cows were killed by lightning.	Missouri Valley	26	2:30 p					3	4			Hailstorm
Sheridan area (Hamilton Co.)	19	?	?	?	0	0	3	4	Hail	12WSW Burlington	26	8:00 p							Funnel cloud		
									Damage of 10 to 90 percent to fields in area when pelted by golf ball size hail.	NW Des Moines County	26	8:00 p								Funnel cloud	
Spencer, NW	23	?							Funnel cloud	Washington County	27	3:30 p					5	4		Windstorm	
Brookfield area	23	Afternoon							Funnel clouds in Shelby and Marion counties. Number unknown.	Donnellson, Lee County	27	5:10 p					4	4		Hailstorm	
Greenfield (Hancock Co.)	23	2:10 p.	?	?	0	0	0	0	Tornado	Central Wayne County	30	6:40 a							Funnel cloud		
									Citizen reported the tornado touched down. No damage reported.										Funnel cloud		
Indianapolis, north of city	23	2:50 p.							Funnel cloud	Tama, NE Poweshiek and SW Benton Counties	30	7:20 p					5	5		Windstorm	
Tipton County	24	11:15 p.							Funnel cloud sighted about 40 miles north of Indianapolis by pilot.										Hail 1 1/2 inches diameter, most damaging Elberon and Vining area to Chelsea. Hail 40%. Scattered hail damage to east of Belle Plaine, wind damage Toledo-Tama area.		
Gary, So. side of city	26	12:15 p.							State police reported sighting of funnel clouds.	NE Des Moines	30	7:50 p							Tornado		
Monroeville, south (10 mi. E Ft. Wayne)	26	2:42 p.							Public reported funnel cloud moving toward south.										Moved SE 30 mph. - touched ground briefly, no damage reported.		
Muncie, 12 mi. SSE	27	1:00 p.							Funnel cloud	E of Fort Madison	30	10:27 p							Funnel cloud		
Shelbyville, 7 mi. SSE	27	4:50 p.							Funnel cloud	Fort Madison	30	10:49 p							Funnel cloud		
Pennville area (Shelby Co.)	30	3:00 p.	6	*1 1/2	0	0	4	5	Hail, wind	Burlington	30	10:49 p					4	5	4	Windstorm	
									Some fields of corn, soybeans, and tomatoes considered 90 percent loss. Some roof and window damage. Power and telephone lines downed.	KANSAS											
Evansville	31	5:15 p.							Funnel cloud reported by public.	Harvey, Sedgwick Counties	2	Early a.m.	?	?	0	0	4	4		Hail	
IOWA Council Bluffs	9	9:00 p					4		Windstorm diameter to 1 1/2 inches.										Hail		
Jones County	10	11:45 a							Funnel cloud										Hail		
Dubuque	11	2:30 p					4		Windstorm										Hail		
SW Algona	16	2:15					4	4	Hailstorm										Hail		
Woodbury County SC to NE (Pierson)	16	Early evening	25	7000			4	6	Hailstorm	Pinney, Scott, Haskell Counties	2	a.m.	60	*2-5	0	0	6	6		Hail	
									25 miles across Woodbury Co. plus other damage. Width 3 to 6 miles. Nearly 100% crop loss. Hail 3 inches deep near Hornick.										Hail		
Pocahontas, Humboldt & Kossuth Counties	16	5:00 p					5	6	Windstorm										Hail		
									Extensive wind damage and hail from 5 to 5:45 p.m., hail 1 3/4" diameter. Damage area approximately bounded by Gilmore City, Rolfe, Whittmore and Algona. Hail damage: crops 40%, property 10%.	Ellis, near	3	1:40 - 1:45 p.								Funnel	
Olin, Jones County	19	2:40 p							Funnel cloud	Western portion	3	Afternoon	?	?	0	0	6	6		Hail	
Hardin County	20	12:10 p							Funnel cloud										Hail		
Woodbine	21	3:00 a					4	4	Windstorm										Hail		
West Branch	23	4:25 p							Funnel cloud										Hail		
Tiffin, Johnson County	23	4:29 p							Funnel cloud										Hail		
SW Linn County	23	4:30 p							Funnel cloud										Hail		
NW Muscatine County	23	4:30 p							Funnel cloud										Hail		
NW Wayne County	23	7:30 p							Funnel cloud										Hail		

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>KANSAS (Cont'd.)</b>									
Fairview, near	9-10	Night of 9-10	?	?	0	0	4	4	Lightning, wind
									A lightning-caused fire destroyed a barn plus contents southeast of Fairview. Northwest of Fairview strong winds caused miscellaneous property damage.
Elkader	10	About 8:30 p.	1	*2-1	0	0	2	3	Hail
									Average diameter of hail was about 1".
Eastern portion	11	a.m.	?	?	0	2	4	0	Wind, lightning
									Damage occurred at scattered locations. Two persons were injured by lightning on a farm northwest of Yates Center.
Grantville	24	4:50 p.							Funnel
									Funnel slightly above ground reported southeast of Grantville.
Ness City, near	24	About 3:30 p.	?	?	0	0	4	0	Wind
									Strong winds caused damage to a farm and telephone lines 3 1/2 miles east of Ness City.
Southern, eastern portions	24-25	Night of 24-25	?	?	0	1	4	0	Lightning, wind
									Damage occurred at widely scattered locations. A man was injured by lightning near Atchison.
Ulysses, near	25	About 6:00 p.							Funnel
									Funnel aloft sighted southwest of Ulysses.
Stanton County	25	About 6:30 p.	2	30-50	0	0	4	3	Tornado
									Small tornado, moving from east to west, damaged farm buildings 12 miles south-southeast of Johnson.
Ulysses, near	25	About 7:15 p.							2 Funnels
									Funnels aloft were observed 12 to 16 miles southwest of Ulysses. One funnel dissipated at 7:19 p. and the other at 7:23 p.
Northern, eastern portions	27-28	Night of 27-28	?	?	0	7	7	7	Wind, lightning, hail
									Moderate to heavy thunderstorm activity moved from north-central Kansas through the central and eastern portions of the State spanning one of the most widespread windstorms ever to hit the State. Winds were estimated as high as 100 m.p.h. in some localities and crops, buildings, power and telephone lines, etc. suffered extensive damage in these areas. Salina and the Matfield Green localities were especially hard hit. Six people were injured by wind at Salina; one person was injured by lightning at Sedan. Hail fell at widely scattered locations; stones more than 2" in diameter were reported 9 miles east-southeast of Norton. This storm was unusual with regard to the duration of strong winds; severe winds blew for more than 30 minutes in some localities. Two power poles designed to withstand wind speeds of 100 m.p.h. were toppled by the storm in Chase County and three gondola railroad cars were overturned at Chamute.
Marshall County	30	Evening	21	*2-4	0	0	5	5	Hail
									Severe hail with stones up to 1 3/4" in diameter fell over an area from north of Oketo to 1 mile west of Frankfort. Hail fell at 5:30 p. near Oketo and about 6:40 p. at Marysville.
Ford, Hodgeman	31	Evening	?	?	0	0	4	4	Hail, wind
									A severe thunderstorm caused damage from 12 to 15 miles west of Jetmore to the Dodge City area. Locally severe hail fell in connection with the storm in Hodgeman County and wind damaged power and telephone lines in Dodge City.
<b>SPECIAL HAIL SUMMARY</b>									
									Hail Loss Clearing House Reports indicate hail was especially severe on the following dates and in the following counties:
									1 Republic, Washington
									2 Reno, McPherson, Harvey, Sedgewick, Sumner, Marion
									3 Thomas, Sheridan, Rawlins, Washington, Cove, Scott, Logan
									7 Cheyenne, Rawlins
									28 Ottawa
									30 Marshall
<b>KENTUCKY</b>									
Central	1				0	0	?	?	Flash floods, lightning, hail
									In several counties flash flooding caused by locally heavy rain washed out bridges and damaged crops. At least 13 cattle killed by lightning. Some hail damage.
<b>KENTUCKY (Cont'd.)</b>									
Central	2				0	0	0	0	Lightning, hail, flash floods, wind
									At scattered locations lightning killed at least two dozen cattle; fire apparently set by lightning strikes destroyed at least one barn and damaged several houses. There was hail, wind and water (local flash flooding) damage to corn and tobacco crops, and some wind damage to houses and farm buildings.
South	6				0	0	?	?	Flash floods
									Heavy rains resulted in local flash flooding in some areas, damaging farm land, crops, roads, bridges and other property.
McCracken County	10	Night	?	?	0	0	3	0	Tornado
									The storm apparently moved southward from southern Illinois soon after 7:30 p.m. It crossed the Ohio River, cut a swath through a wooded area, damaged a marina, and apparently terminated in the vicinity of Paducah.
Warren County	10	7 p.			0	15	4	?	Wind
									High winds blew down a fairground tent at Bowling Green. About 15 people were treated for minor injuries. Some streets were flooded, and a barn was blown down.
Central	10				2	0	0	6	Flooding
									Heavy rains caused major flooding along the Rolling Fork River (reported to be the highest water in 30 years), minor flooding along portions of the Green and Nolin Rivers and other streams. Two boys were drowned at the north fork of the Rolling Fork River near Parksville. At Elizabethtown, in Hardin county, water rose into 250-300 homes and about 100 persons were forced to leave; in this area flooding was reported to be more severe than that of the 1937 flood. Portions of a number of roads were under water. There was considerable damage to crops and roads. Thousands of acres of bottom land were under water. Portions of at least the following counties were reported to have been affected by high water: Hardin; Bullitt; LaRue; Nelson; Green; Marion; Boyle; Taylor; Hart; Washington; Casey.
Southwest	11	2 a.			1	0	?	?	Flash flooding
									A boy was drowned at Clinton, Hickman county, when he attempted to walk across a bridge which had been washed away. There was some damage to homes and businesses, Fulton, Fulton county, due to high water. There was some damage to crops.
State	20				0	0	0	4	Lightning, hail, wind
									Lightning associated with heavy thunderstorms was apparently responsible for setting fires at widely scattered locations. One house was burned and at least 3 barns were burned. There was some damage caused by wind and hail at scattered locations. The BSSA Weather Bureau Airport Station at Lexington observed 3/4-inch hail 8:13-16 a.m., no damage reported.
State	21				0	2	4	?	Lightning, hail
									In widely scattered storms, fire apparently set by lightning burned at least one house and 4 barns. There was some hail damage to tobacco in at least one location.
State	22				0	0	0	5	Lightning, rain, hail, wind
									In widely scattered storms, lightning and heavy rain were responsible for considerable damage to buildings. There was damage to some tobacco crops caused by wind and hail.
Central	25				1	1	4	0	Lightning
									A boy was killed by lightning and his brother was injured (Grayson county). At least one barn was destroyed by fire apparently set by lightning.
Bell County	25	p.m.			0	0	6	?	Flash flood
									Heavy rain beginning about 12:15 p.m. in the Middlesboro area totaled 3 inches in one hour, about 4 1/2 inches in slightly less than 2 hours. Flash flooding put 1/3 of the city under water, forced more than 100 people from their homes, damaging more than 100 homes. There was extensive damage also to roads, bridges and other property, total damage estimated at between 1 and 2 million dollars.
State	28				0	0	4	0	Electrical, wind
									At widely scattered locations high wind blew down trees and utility lines and inflicted other damage. Lightning strikes damaged other utility properties.
West	31				0	2	?	?	Lightning, hail, wind, rain
									Two persons were injured by lightning strikes in Cumberland county. At scattered locations there was considerable damage due to lightning strikes, hail, wind, and rain. At least three barns burned, fires apparently set by lightning; at least two houses were damaged. Cattle were killed by lightning. There was hail damage to tobacco and corn in at least 4 areas. In McLean county hail the size of bantam eggs fell for 20 minutes in a 2-mile area from Buell west along Ky. 250 to about Buck Creek. Tobacco damage in this area was estimated at 50%. There was wind and rain damage at scattered locations.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

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					KILLED	INJURED	PROPERTY	CROPS	
<b>LOUISIANA</b>									
Calcasieu Parish	1	12:00 - 12:30 p.m.			0	0	4	0	Wind, rain, lightning
Small thunderstorms with heavy rains and wind gusts about 50 m.p.h. hit the Lake Charles-Westlake area. Lightning and trees across power lines disrupted electrical service.									
Sabine Parish	1	4:00 p.m.			0	0	3	0	Wind
Strong winds overturned trailer home, bent and broke antennas.									
Calcasieu Parish	3	5:00 p.m.			0	0	3	0	Wind
High winds from thunderstorm ripped roof from building which pushed large gantry crane to end of its overhead track. Crane then toppled, causing damage to piping at petrochemical plant.									
Caddo Parish	3	5:00 p.m.			0	0	3	0	Wind, rain
Strong winds carried open carport over home, apparently lifted small station wagon from ground.									
State	4	Afternoon			0	0	5°	0	Wind, lightning, hail, rain
Several areas had a turbulent Fourth of July. Trees were blown down and some hail fell in the Mithrip community (Red River Parish); power was out around 4 p.m. in parts of Baton Rouge as lightning hit transformers and wind gusts to 45 m.p.h. broke tree limbs; a trailer home was blown over and soybean stalks stripped by wind and hail at Start (Richland Parish) about 5 p.m.; winds estimated at 70 m.p.h. blew trees down at Ringold (Bienville Parish) about 5:00 p.m.; numerous streets were flooded in the Shreveport-Bossier City area by heavy downpours totaling up to 4.97 inches of rain during the afternoon at Barksdale A.F.B. High winds blew off limbs and a few trees were toppled with light property damage.									
Webster Parish	6	12:30 p.m.			0	0	4°	0	Lightning, wind rain
Thunderstorm swept through the Parish breaking tree limbs and resulting in several traffic accidents due to poor visibility in heavy rains. A barn was destroyed with some 2,000 bales of hay 6 miles north of Minden, after being hit by lightning.									
Gulf of Mexico	7	7:45 a.m.			0	0	0	0	Waterspout
Pilot reported waterspout 100 miles south of New Orleans International Airport.									
Terrebonne Parish	7	12:16 - 12:30 p.m.			0	0	0	0	Funnel aloft
Funnel cloud moved southwest across the Houma area, but apparently did not touch ground.									
Lafayette Parish	7	3:30 p.m.			0	1	0	0	Lightning
Lightning struck 14 year old boy hoeing cotton south of Dason. Although hospitalized with severe burns on chest and hip, he is recovering.									
Lafayette Parish	11	3:30 p.m.			0	1	0	0	Lightning
Lightning struck 11 year old boy in Lafayette, knocked him unconscious and sent him sprawling across room, but he was only slightly injured.									
Orleans Parish	12	8:36 - 8:41 p.m.			0	0	0	0	Funnel aloft
Funnel cloud observed about 5 miles north of Weather Bureau New Orleans City Office.									
Lake Pontchartrain	13	3:53 p.m.			0	0	0	0	Funnels aloft (2)
Pilot reported 2 funnel clouds 17 miles north of New Orleans International Airport.									
West Feliciana Parish	14	10:30 p.m.			0	0	4	0	Lightning
Lightning set fire to and destroyed a separation platform in the Lake Racourri gas field. Nine other wells were shut down.									
Lake Borgne	28	3:50 p.m.			0	0	0	0	Funnel aloft
Pilot reported funnel cloud 20 miles east-southeast of New Orleans International Airport.									
Lincoln Parish	29	Afternoon			0	0	3	0	Wind, rain, lightning
Winds blew small trees across power lines. Lightning damaged transformers at Ruston.									
<b>MAINE</b>									
Central	24	P.M.			0	0	4	3	Lightning, hail
House and barns burned in Detroit from lightning strike. Hail of 3/4th inch size damaged crops in Moosehead area. Some local wind damage also. Some utility outages.									
Scarborough	25	7 P.M.			0	0	4	0	Wind
Very local high wind from a thunderstorm removed the roof from a motel. Luckily, no personal injuries occurred in the well occupied building.									
State	SPECIAL SUMMARY								
Fog was unusually frequent throughout July, and especially heavy in coastal areas. At Portland, 13 consecutive days with occurrences of dense fog was a new record for the month, as was also 18 days in the month with dense fog. Fog hampered all forms of transportation.									
<b>MARYLAND</b>									
Frederick and Washington Counties	10-	Evening 11 & Night			0	0	4	0	Heavy rain
Severe thunderstorms, especially in northern areas, caused Monocacy River to overflow its banks; other instances of local flooding was reported. Catocin Mountain Park weather station reported a 24-hour rainfall total of 3.45 inches.									
Dublin, Harford County	10	11:00 p.			0	0	4	0	Lightning
Lightning destroyed a large barn and its contents valued near \$50,000.									
Savage River Dam	11	7:30-8:30 a.							Heavy rain
A 2.25 inch rainfall in an hour was reported by Weather Bureau cooperative observer.									
Choctank River near Cambridge	17	7:45-8:15 p.	?	?	0	0	0	0	Waterspout
Hundreds of persons watched a large waterspout that lasted about one-half hour. One observer said that it sounded like "three or four jets overhead."									
Mellwood	21	7:00 p.			0	0	0	3	Hail
Hail to marble size damaged some acres of tobacco in this area.									
Neavitt-Bozman, Talbot County	28	3:13 p.	4	10-30	0	0	4	0	Tornado
Tornado touched down on a farm, destroying one farm building and damaging two others, then moved on a line SSW to NNE to Bozman and inflicted damage along this narrow path. No one saw a funnel as it struck so quickly. Hail to the size of ice cubes was also reported. Many trees were twisted and broken off.									
Harford, Kent, Talbot and Caroline Counties	31	6:00-11:00 p.			0	0	4	0	Wind, rain, lightning and hail
Thunderstorms ripped through parts of these counties. Trees and power and telephone lines were knocked down; roofs were ripped and sheds and other outbuildings damaged. Lightning struck a tree and toppled it over an auto. Rain and heavy hail flattened field corn near Tanyard.									
<b>MASSACHUSETTS</b>									
Pocasset	18	Late A.M.			0	0	2	2	Rain
Localized heavy rain in sections of Cape Cod, with over two inches in about three hours at Pocasset where washing and flooding damage occurred.									
Bellingham	22	3:00PM			0	18	4	0	Rain
Local heavy rain. Store roof collapsed from weight of accumulated rain with shoppers injured. A Bellingham rain gage recorded 1.2 inches in about one hour. Some hail also fell.									
Boston and Vicinity	23				0	6	3	0	Lightning
One injured in Winthrop when lightning struck home, five injured by a lightning bolt in Somerville, while 15 were jolted but uninjured by lightning at South Acton. Some minor flooding of sewers and catch basins by accompanying locally heavy rain.									

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
<b>MASSACHUSETTS (Cont'd.)</b>											
State	25					0	0	5	3		Wind, lightning, hail
						Scattered thunderstorms in AM and PM caused local damage in many sections of state. Wind downed trees with damage to buildings and utilities. Lightning damages included loss of historic pre-revolutionary tavern at Acton. Three homes struck in Framingham. Scattered crop damage from wind and hail.					
						SPECIAL SUMMARY					
State						Fog was unusually persistent, reported on all but two days at Nantucket where it was heavy on 27 days. Fog also unusual inland. Fog usually burned off during morning but haze frequently persisted through the day. All forms of transportation hampered.					
<b>MICHIGAN</b>											
SW of St. Joseph, Berrien County	1	6:45pm				0	0	0	0		Waterspout
						Waterspout observed by city police over Lake Michigan.					
Benton Harbor, Berrien County	4	10:30am				0	0	0	0		Waterspout
						Waterspout observed west of town, remained over Lake Michigan.					
Southeast Michigan	11	1-3 am				0	0	4	0		Lightning - Flooding
						Lightning strikes started six minor fires, damaged a church tower and left many without power in the Detroit Metropolitan area. Localized flooding, mainly around Warren, left some streets passable only by boat. Water in some basements was seven feet deep.					
Muskegon, Muskegon County	11	3:50pm				0	0	3	0		Lightning
						Bolt of lightning struck the large antenna on a 30 foot cabin cruiser shattering it with pieces found 100 feet away. It fused the boat's entire electronic and electrical systems and some of the curtain rods. A man sitting on a chair at the boat basin edge was knocked to the ground but was unhurt. Four persons and a dog on board were unhurt. They were below deck in a carpeted area of the boat.					
1 1/2 W Ferry, Oceana County	11	4:30pm	3/4	300		0	0	4	?		Tornado - Hail
						Apparent funnel cut path through mostly open farmland. A 50 foot trailer, garage and large silo were destroyed. Hail, as big as golf balls shredded surrounding corn fields during the 15 minute storm. Several funnels aloft were reported about 4:50pm near New Buffalo, Michigan, but these caused no damage.					
Southern Michigan	17	3-7 pm				0	0	4	?		Lightning - Hail
						Scattered severe thunderstorms reported; near Flint lightning-caused fire destroyed one barn, tractor and combine, minor flooding occurred. Near Kalamazoo, one home fire started by lightning and hail damaged some crops, near Ann Arbor hail did variable damage to crops.					
1/2 N Wixom, Oakland County	18	3:20pm				1	1	0	0		Lightning
						Two youths boating on Loon Lake were struck by lightning. One was killed instantly, her companion was temporarily paralyzed.					
Southern Michigan	18	AM - PM				0	0	4	4		Hail - Lightning
						About 4 am, a lightning-started fire destroyed one barn near Bay City. In the afternoon lightning set fires to two homes, both heavily damaged, near Dowagiac and Mt. Clemens. Hail, the size of golf balls occurred near Battle Creek. The hail reached depths of up to 15 inches; flattened in a 15 minute period, about \$30,000 worth of tomatoes, cabbage, melons and other vegetables, popped bark off of trees and dented the metal siding on homes in a one square mile area. Near Howell, lightning killed 10 head of cattle huddled under a tree while hail beheaded 40 acres of oats and damaged 36 acres of corn. The cattle were insured and worth \$4000. Hail, 1/2 inch, damaged some crops near Mt. Pleasant and lightning damaged two homes.					
Northern Detroit suburbs, Oakland, Macomb Wayne Counties	19	1-4 pm				0	0	7	?		Heavy Rain - Flooding - Hail
						SBA (Small Business Administration) states 26,000 homes in the three counties were affected in some way by flood waters but that only a small portion were damaged enough to qualify for disaster area loans. Total loss is estimated to be over ten million dollars. For sections of Warren, it was the 2nd inundation by flood					
<b>MICHIGAN (Cont'd.)</b>											
						waters in 8 days. Five inches of rain was recorded at Royal Oak between 1:40 and 3:05pm. In addition to the normal flood damage to homes and their contents, ruptured sewer lines closed portions of Detroit's Ford Freeway. Hardest hit were Royal Oak, Royal Oak Township, Madison Heights, Sterling Township and Warren areas. One traffic death was blamed on brake failure due to wet linings after the auto had passed through flooded streets. Some cars were completely submerged when caught in the deep water on I-75 at 11-Mile Road. Hail, up to 1 3/4 inches in diameter was also observed in the area.					
Southeast Michigan Wayne, Monroe Counties	19	4-6 pm				0	0	4	4		Hail
						Hail along a narrow strip from New Boston to Carleton, ranged in size from small peas to larger than golf balls, accumulated to depths of 6 or 7 inches. In addition to ruined crops the fabric of one airplane was riddled with large holes and windows broken in a Greenhouse. Some roofs were also heavily damaged. A second area with smaller sized hail extended from near Ida to Lambertville but damage was not so extensive in this area.					
17S Alpena, Alcona County	22	6:55pm	brief	25		0	0	3	0		Tornado
						Funnel observed to touch down moving in an easterly direction. It damaged a repair garage, fences and trees before heading out over Lake Huron. Additional minor wind damage was reported this date at Cheboygan. Near Calumet, a recently completed radio tower was snapped in the middle and a trailer overturned.					
Otsego, Allegan County	23	1-2 pm				0	0	4	0		Lightning
						Three homes were damaged by lightning strikes. Two resulting fires caused an estimated \$10,000 in damages.					
Near Holland	26	3:26pm				0	0	0	0		Waterspout
						Coast Guard cutter observed waterspout. No damage reported.					
South Central, Southeast Michigan	30	PM				0	0	4	?		Wind - Hail - Lightning
						Grand Rapids to Monroe suffered from a variety of weather. Lightning caused \$25,000 damages to transformer at Grand Rapids. Hail the size of black cherries shredded corn near Mason and Holt while wind destroyed a house, barn and tore shingles from a home near Manchester. Several large trees were also felled by the high winds in this area. Hail damage was reported in the Adrian area.					
<b>MINNESOTA</b>											
Willmar, Kandiyohi County	3	afternoon				0	0	3	3		Wind
						Winds of 45 mph caused minor damage.					
Duluth area, St. Louis County	10	3:40 p.				0	0	4	?		Wind & lightning.
						High wind caved in warehouse wall. Lightning hit fire station.					
Baudette, Lake of the Woods County	10	5:10 p.				0	0	?	?		Wind
						Gusts to 50 knots.					
Big Stone and Stevens Counties	10	8 p.				0	0	4	5		Wind & Hail.
						Heaviest damage in area 3 miles wide from Barry, southeast to SE corner of Stevens County. Hail to golf ball size, demolished corn and grain.					
7 W Ray, Koochiching County	15	11:45 p.				0	0	4	0		Lightning
						A 50 x 60 barn destroyed along with a number of animals.					
McLeod County	16	4:30 a.				0	0	?	4		Hail
						Damage reported SW of Hutchinson, NW of Glencoe, and in Silver Lake and Lester Prairie.					
Elmore area, Faribault County	16	afternoon				0	0	?	?		Hail
						Hail stones size of walnuts.					
Ramsey & Washington Counties	16	2:55 p.									Funnel cloud
						First sighted over St. Paul's north suburbs. It moved SE.					

See reference notes at end of table.





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					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS		
<b>MISSISSIPPI (Cont'd.)</b>											<b>MONTANA (Cont'd.)</b>										
Union County, New Albany	12	Afternoon			0	1	0	0		Lightning	Fergus and Treasure Counties	21	Afternoon	60	*3-6	0	0	0	5	Hail, Wind	
State	15, 16									Unusual Cold	Hathaway (near) Rosebud County	21	Afternoon	12	*4	0	0	3	4	Hail	
MISSOURI										Record or near record low temperatures for July reported in each Division of the State. Additional details in Climatological Data, Mississippi July 1967 issue.	Broadus 130 miles south, Powder River County	26	7:30 P							Funnel Cloud	
Columbia, 7 E Boone County	9	6:35 PM								Funnel Aloft	NEBRASKA										
Moberly, Randolph County	9	early morning						6		Thunderstorm	Richardson County	1	4:30p - 4:45p	15	1 to 2"	0	0	0	4	Hail	
Gallatin, Daviess County	9	early morning							4	Thunderstorm	Stratton-Wauneta area	7	8p	?	?	0	0	0	4	Hail	
Kirksville, Adair County	23	10:00 PM								Lightning	10 East Ord	8	6:55p			0	0	0	0	Funnel Cloud	
Monroe City (Near) Monroe County	26	8:45 PM								Tornado	Near Grant	8	11:40p			0	0	0	0	Funnel Cloud	
Webb City, Jasper County	28									Funnel Aloft	Southern Cedar and Dixon Counties	9	7:30p - 8:15p	?	?	0	1	4	4	Hail, Damaging Winds	
Liberal, Barton County	28	3:00-3:20 AM								Tornado	Richardson, Nemaha and Otoe Counties	9	9:20 p - 10:30 p	40	15"	0	0	4	4	Hail and Damaging Winds	
Fair Grove, 1-1/2 SE Greene County	28	5:00 AM	33-100					3		Tornado	Burt and Dodge Counties	16	7 p to 10 p	30	5"	0	0	4	5	Hail and Damaging Winds	
Marshfield, 4 S Webster County	28	5:10 AM								Tornado	Dalton Vicinity	23	6 p	7	5"	0	0	0	5	Hail	
South Part Lake of Ozarks, Camden County	28	5:00 AM								Tornado	Box Butte County	24	Afternoon	5	1"	0	0	0	4	Hail	
Edgar Springs, N Phelps County	28	Morning								Tornado	Bellevue	25	8:20p	?	?	0	0	?	?	Hail	
<b>MONTANA</b>											Several storm cells in Hartington, Coldridge, Laurel and Allen areas. Hail paths were from 1 to 2 miles wide and 8 to 10 miles long. Small stones driven by high winds did considerable crop damage. Gusty winds damaged or destroyed buildings at several farm sites. One child injured by debris from barn.										
Great Falls, Cascade County	3	5:45 P	5	*1/2	0	0	2	3		Hail and Rain	Richardson, Nemaha and Otoe Counties	9	9:20 p - 10:30 p	40	15"	0	0	4	4	Hail and Damaging Winds	
Bozeman, Gallatin County	5	Evening			1	0	0	0		Lightning	Burt and Dodge Counties	16	7 p to 10 p	30	5"	0	0	4	5	Hail and Damaging Winds	
Hysham (southeast) Treasure County	8	5:30 P	?	*2	0	0	0	4		Hail	Dalton Vicinity	23	6 p	7	5"	0	0	0	5	Hail	
Boulder (14 miles southeast), Jefferson County	14	2 P. M.	5	*3	0	0	3	4		Hail, heavy Rain	Box Butte County	24	Afternoon	5	1"	0	0	0	4	Hail	
Glasgow (near), Valley County	14	10:50 P	8	*4	0	0	0	4		Hail, Rain, Wind	Bellevue	25	8:20p	?	?	0	0	?	?	Hail	
Belgrade (8 miles north) Gallatin County	21	3:30 P	4	*1	0	0	0	4		Hail, high Wind	25 N Omaha Nebraska	26	1:25p			0	0	0	0	Funnel Cloud	
Average size of hailstones 1/4 inch, some 1/2 inch.											Storm area was generally located along an axis from Central Panhandle to southeastern Nebraska. There were numerous reports of light hail and strong winds and some reports of severe hail and extensive damage. The more severe storms are listed individually below.										
Some of the largest hailstones were 1 inch diameter, average size about 3/8 inch.											Scattered small areas of hail between Humboldt and Nebraska City. Stones 1/2" to 3/4". Wind destroyed barns in Auburn-Nebraska City area.										
											Storm entered Nebraska in northeastern corner of Burt County near Dedatur and moved southwestward to the Hooper area. Stones were small, but were driven by high winds and did extensive crop damage in several strips 1/2 to 1 mile wide and 5 to 6 miles long. Wind damage limited to trees and a few farm buildings.										
											Dalton Vicinity										
											Storm moved northeastward. Wheat ready for harvest was a complete loss in 15 sections with lesser damage elsewhere.										
											Box Butte County										
											Hail 1/2" in diameter near Alliance. Storm moved northeastward.										
											Bellevue										
											Public reports ground covered with 1 1/2" hail.										
											25 N Omaha Nebraska										
											Storm area was generally located along an axis from Central Panhandle to southeastern Nebraska. There were numerous reports of light hail and strong winds and some reports of severe hail and extensive damage. The more severe storms are listed individually below.										
											Weston to Davey										
											Stones up to 3" diameter accompanied by high winds gave 100% crop damage and considerable roof, window and siding damage.										
											Hyannis										
											1 3/4" hail damaged roofs and windows extensively in and around town. Grassland economy limited crop loss.										
											Alliance Vicinity										
											Crops in center of storm area a complete loss.										
											Dawson-Gosper-Phelps-Kearney Counties										
											Severe hail, ground covered by stones mostly 1 to 1 1/2" diameter, but some up to 2". Storms generally missed towns so gave limited property damage. Crop complete loss in numerous strips 3 to 5 miles long either side of Obzad-Wildcat axis.										

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1987

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
<b>NEBRASKA (Cont'd.)</b>										
Hamilton-York Counties	26	7p	15	6*	0	0	0	5		Hail
					Hampton-Bradshaw-Benedict areas. Ground covered by 1" to 1 1/2" stones. Severe permanent damage to corn which was in tasseling stage.					
Broken Bow	26	6:35 p			0	0	0	0		Funnel Cloud
Central and South Central Nebraska	27	7p to 10p			0	0	5	7		Hail, Damaging Winds
					General area covered was from Logan and Custer Counties on the north, south-southeastward to Gosper and Kearney Counties on the south. Many small scattered areas of hail were reported, but main damage seemed to be along three parallel paths: (1) Stapleton to Arnold; (2) Ten miles north of Gothenburg and Cozad to a point north-west of Lexington; (3) Near Elwood, Smithfield, Bertrand, and Funk. Paths were up to 10 to 20 miles wide at some points. Heavy damage in all paths, but severity increased from north to south. Ground was covered by stones of all sizes from 1/4" to 2". Individual stones up to 3" reported in all paths and irregular ice chunk of 3" diameter fell in center path and up to 4" in southern path. Hail went through steel buildings and car tops and some penetrated ground to depth of 5". High winds added to the damage which was extensive to both property and crops. In addition to the hail damage, some farm buildings were demolished by the winds. Crop damage ranged from light to 100% with some fields leveled to the ground.					
<b>NEVADA</b>										
Lyon County, Smith and Mason Valleys	16	Early evening			0	0	4	4		Heavy rain, hail and strong wind
					A heavy rainstorm during the early evening accompanied by hail and strong winds resulted in thousands of dollars damage to crops, irrigation ditches, fences, highways, and automobiles. Damage to lawns, shrubs, and homes in the Weedheights was extensive.					
<b>NEW HAMPSHIRE</b>										
Epsom	12	4:35PM	1/2	30	0	5	4	0		Tornado
					Funnel swept through Indian powwow encampment, damaging tepees, camping trailers, and other equipment. Many large trees snapped off and one residence damaged. Most injuries minor. Warning by funnel's loud roar probably prevented more serious injuries or deaths. Birds were seen caught in the funnel. Funnel touched down in relatively low ground and lifted again as it passed east-northeastward over higher land.					
Northern State	22	PM			0	0	3	2		Hail, lightning and lightning.
					Scattered minor damage from local hail, wind, and lightning.					
State	24	PM			0	0	4	3		Hail, wind, lightning
					Hail of 3/4 inch size covered the ground, broke windows, and damaged crops at Epping at about 3:30 PM, with high winds. Similar storm at South Lyndeboro. Scattered hail and wind damage elsewhere. Also lightning damage. An auto was reportedly lifted by wind and ditched on Rte. 101 near Auburn.					
State	25				0	0	4	3		Hail, wind, lightning
					Local thunderstorms in early AM and again in PM were occasionally severe. Heavy hail at Roxbury and at Dublin where a car skidded off the hail-covered road and was wrecked. Also local wind and lightning damage.					
State					SPECIAL SUMMARY					
					Fog was unusually prevalent, appearing almost every night in some areas and on most nights generally. Fog usually gone by mid-morning but much haze persisted in daytime. Fog hampered all forms of transportation.					
<b>NEW JERSEY</b>										
Statewide	10	Early evening			2	4	4			Heavy rain, hail, electrical.
					Thunderstorms, accompanied by some hail, moved across the State. Excessive rainfall occurred in the northern Counties, and lightning strikes were reported in several locations. Two persons were injured at Swedesboro, Gloucester County, when struck by lightning. Power lines were damaged, streets and basements were flooded, and crops were flattened in some fields.					
Mercer and Middlesex Counties	21	Early Evening					3			Heavy rain, wind.
					Very heavy rainfall occurred in Trenton, Princeton, and southern Middlesex County. Some flooding of streets and storm sewers, and some damage to trees and utility lines.					
Middlesex and Somerset Counties	25	Early evening					4			Heavy rain, wind, electrical.
					Thunderstorms brought heavy rains which caused flooding of streets and highways. At least 8 houses and 7 power lines were struck by lightning. There was some wind damage to trees and utility poles.					
<b>NEW JERSEY (Cont'd.)</b>										
North Wildwood, Cape May County	28	Early evening					1			Electrical.
					An off-duty lifeguard was killed when a lightning bolt struck in the area in which he was surfing.					
<b>NEW MEXICO</b>										
Union County	2	2:00 p.-3:30 p.			0	0	?	?		Hail, rain
					Hail to 1-1/2 inch diameter at Des Moines damaged windows and roofs. Five to six inches of hail in 30 minutes drifted to 10 feet in depth. Cow drowned in flash flood, and fences, garage and pickup washed away. Hail estimated to 16 feet deep in draw, with average depth in draw of 9 feet.					
Curry County	2	3:25 p.			0	0	0	0		Funnel aloft
					Well defined funnel aloft near Bellview, 30 miles north of Clovis.					
Quay County	2	Afternoon			0	1	?	0		Lightning, wind
					Lady struck by lightning at Ute Lake. Winds to 70 m.p.h. at Logan and Ute Dam sank a few boats and broke two boat moorings loose. Airplane overturned at Logan Airstrip.					
Union County	3	2:30 p.			0	0	0	0		Tornadoes
					Three tornadoes near Clayton, 10 miles east-northeast, 10 miles northeast, and 20 miles northeast. Debris observed in vicinity of tornado 10 miles northeast. Farming areas with no damage reported.					
Otero County	4	8:57 p.-10:00 p.			0	0	0	0		Funnels aloft
					Funnels aloft, one 10 miles north Alamogordo, three additional sighted from Holloman Air Force Base within an hour. Winds to 44 knots.					
Colfax County	5	6:00 p.			0	0	0 <sup>2</sup>	0		Hail
					Hail to over 1-5/8 inch diameter broke windows, damaged roof and destroyed family garden at Lake Maloya. Two inches of hail and 2.35 inches of rain.					
Quay County	5	7:15 p.			0	0	0	0		Funnels aloft
					Three funnels aloft reported in the vicinity of Tucumcari, moving north.					
San Miguel County	5-6	11:30 p.-3:00 a.			0	0	0 <sup>1</sup>	0		Heavy rains
					An estimated 6 to 7 inches of rain fell on the headwaters of Conchos River and the resulting flow swept away one auto, damaged farm structures, corrals, fences, erosion control devices and some farm land. Total damage estimated \$100,000.					
Curry County	10	Morning			0	0	0	0		Funnels aloft
					Two funnels aloft sighted 18 miles north of Clovis.					
McKinley County	11	2:00 p.			1	1	0	0		Lightning
					Lightning strike on wagon, about 16 miles west of Crompoint, killed one girl and two horses, and burned second girl.					
Valencia County	11	?			1	0	0	0		Lightning
					One man killed by lightning strike, 10 miles southeast of Grants. Body discovered on 11th, strike most probable on 11th.					
Mora County	11-12	Night-Morning			0	0	0	?		Heavy rains
					General estimates of 3 to 6 inches, and up to 10 inches, of precipitation in area south of Hwy. Damage to ranchers' crops.					
Lea County	20	2:22 p.			0	0	0	0		Funnel aloft
					Funnel aloft reported 10 miles west of Hobbs.					
McKinley County	25	2:20 p.			0	0	0	0		Funnel aloft
					Funnel aloft observed 20 miles southwest of Toluachi by substation observer.					
Quay County	31	3:00 p.			0	1	0	0		Lightning
					Man struck and critically burned by lightning while hoeing corn near Grady, about 27 miles southeast of Tucumcari.					
<b>NEW YORK</b>										
Oneida County	1	7:30 p.m.								Funnel Cloud
					Funnel cloud briefly touched ground then receded; observed 6 miles south of Oneida County Airport.					
New York City	3-4						5			Rain
					Cloudburst of near 3.0 inches of rain within a few hours caused widespread flooding in various sections of metropolis. More than 500 homeowners in Brooklyn and Queens reported flooded basements. New Metropolitan Opera and other theaters at Lincoln Center, Manhattan damaged by flooding.					
Erie County	11						4	4		Rain, wind
					Heavy local rains of 3.5 to 4.0 inches in Boston-Wales-Colden area of southern Erie County caused extensive washing of secondary roads, creeks to run bankfull and flooding of property. Many acres ripe grain flattened by heavy rains and accompanying high winds.					
Silver Lake, Wyoming County	21						4			Rain
					Intense local rains caused considerable damage and washout of railroad tracks and right-of-way.					

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

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 (Cont'd.) Central	23-24	p.m. to p.m.					h		Electrical
									During afternoon and evening hours of both dates severe thunderstorms affected belt of central counties from Onondaga and eastern Finger Lakes south to Floga and Broome. Widespread disruption of power due to lightning and winds up to 55 miles per hour in Syracuse, Watkins Glen, Ithaca and Binghamton areas. Two autos demolished by falling trees and large glass windows broken in department stores in Syracuse. Scattered streets blocked by falling limbs and trees in affected communities. Small aircraft forced to land on Highway near Deposit, Delaware County. Two persons momentarily stunned by lightning in Binghamton.
Ashford, Cattaraugus County	24	4:00 p.m.	10	200-300	0	0	h	3	Tornado
									Tornado apparently followed a skipping path oriented mostly NW to ESE, beginning eastern sections of Town of Mansfield, passed through hamlet of Ashford Station and left ground in Town of Franklinville. Path covered aggregate length of about 10 miles. Heaviest damage was concentrated at Ashford Station where a barn, small cabin and deserted house were demolished. Numerous trees and utility lines reported down along various portions of path of well-observed funnel cloud. Three cattle destroyed in Town of Mansfield. Witness of funnel cloud at Ashford Station, who described it as dark but tinged "yellowish", also reported about ten acres of corn damaged.
New York City	25	p.m.					h		Electrical, hail, wind
									Severe thunderstorm, accompanied by hail, strong winds, and intense rainfall, caused scattered damage from Staten Island to Bronx. Lightning struck a few homes with mostly minor structural damage, while winds smashed several large windows in stores at shopping center on P Staten Island. Hail, up to 3/4 inch diameter, broke windows and caused minor damage on campus of Columbia University.
Western	31	p.m.			1	1		h	Electrical, hail
									Man killed by lightning on golf course at Asheret, Erie County; companion knocked down but otherwise uninjured. Heavy damage from hail to over 100 acres of grape vineyards along shore of Keuka Lake, Yates County. Scattered hail damage to corn and other field crops also in southern Cayuga County as stones up to 3/4 inch diameter reported as far east as Utica area. Property damage from hail apparently very light.
NORTH CAROLINA									
Gates, Hertford, Northampton Counties	4	Aftn & evening						3 4	Hail, wind
									Hail damaged tobacco crop in scattered areas. Wind uprooted trees, damaged roofs.
Wake County	11	2:25 pm	1	25	0	0	h	0	Small tornado
									Moved west to east along a short path near the town of Apex, about 12 miles WSW of Raleigh. Mobile home demolished and debris carried half a mile; lesser damage to two other trailers and a frame house. Funnel reported seen and heard. No casualties.
Johnston, Lenoir, Wake, Wayne Counties	11	Aftn						4 5	Hail, wind, rain
									Hail destroyed or damaged tobacco in fields several areas. Wind broke a few trees, many limbs. Auto and roof damaged by falling trees. Power and telephone service disrupted. Streets flooded.
Perquimans County	14	Late aftn			0	1	h	4 3	Wind
									Windstorm destroyed frame house, injured one man. Crops on nearby farm damaged.
Perquimans County	16	1:30 am	1/4	100	0	0	h	4 3	Small tornado
									Farm home damaged and several outbuildings demolished. One building disappeared. Auto carried 75 yards; another thrown against a house, damaging both. Trees broken off above ground. Farm machinery damaged. Minor damage on two other farms. Sound like a freight train heard.
Northern Mountains and scattered places in Piedmont	20	1-4 pm						0 6	Hail
									Hail of sufficient size and intensity to damage tobacco in fields, and in some cases other crops, reported from fourteen counties.
Alamance, Bertie, Catawba, Gaston, Transylvania Counties	21	Aftn & evening			0	1	h	4 4	Hail, wind, electrical
									Girl camper seriously injured by lightning. Several fires set in widely separated places. Mule killed by lightning. Hail and wind damaged tobacco several areas.
Beaufort, Durham Counties	23	Aftn						0 4	Hail
									Tobacco damaged in fields two areas.
Harnett County	24	7 pm						0 4	Hail
									Tobacco badly damaged over an area of about one square mile.
NORTH CAROLINA (Cont'd.)									
Brunswick, Cleveland, Cumberland, Harnett, Moore, Pitt Counties	25	Aftn & evening						4 4	Hail, electrical
									Several fires set by lightning; one tobacco barn with contents burned. 24 cattle killed when lightning struck tree under which they had taken shelter. Tobacco crop damaged by hail several areas.
Columbus, Harnett, Pitt, Robeson Counties	26	Aftn & evening						4 0	Rain, electrical
									Several minor fires set by lightning. Streets flooded by heavy rain.
Cabarrus, Rowan, Surry, Wilkes, Wilson Counties	29	3-5 pm						4 4	Wind, hail, electrical
									Scattered severe thunderstorms caused wind and lightning damage several areas. Tobacco and corn crops damaged by hail and wind. Lightning killed ten cattle.
Durham, Onalaw, New Hanover, Richmond Counties	30	Aftn						3 4	Hail, wind, rain
									Wind blew down trees. Hail damaged tobacco in fields several areas. Heavy rains overflowed storm sewers, flooded basements.
NORTH DAKOTA									
Wells County	1	evening						4	High winds
									High winds blew down a brick building at Fessenden and destroyed a car.
Benson and Towner Counties	5	evening						4 4	Tornado heavy rain, hail
									The roof was torn off a business building in Rolla. Marble-sized hail, accompanied by high winds, caused severe crop damage and knocked down trees. Rain up to 2.4 inches during the storm was reported east of Rolla. Two separate fires, started by lightning, destroyed a farm home and a dairy barn in Benson County.
Sargent and Ransom Counties	7	6:50 pm						5	Tornado heavy winds, rain
Jamestown -- 13 miles southeast	7	1:05 pm							Tornado
Edgeley -- 5 miles southwest	9	12:15 pm							Tornado
Buffalo -- 3 miles south	9	2:19 pm							Tornado
Alice -- 3 miles west	9	2:19 pm							Tornado
Ft. Ransome -- 15 miles northwest	9	2:27 pm							Tornado
Nome -- 3 miles northwest	9	2:50 pm						4	Tornado
									Tornado destroyed barn and other farm buildings
Cuba -- 6 miles south	9	3:00 pm							Tornado
									High winds and hail up to 3/8 inch in diameter caused damage to trees and shrubbery. Lightning struck a barn 6 miles south of Mayville.
Benson County	29	6:00 pm						5	Hail and rain
									A fast moving squall line moved through southern Benson County and left hundreds of acres of severely damaged grain crops. The heaviest damage occurred just west of Maddock. Baseball-size hail fell in several areas.
Stutsman and Barnes Counties	29	8:00 pm						5 5	Hail, strong winds
									Heavy property damage occurred when farm buildings were blown down and many windows broken by hail. Crops in a large area were severely damaged. Golfball-size hail occurred near Courtenay.
Barnes, Sargent, and Ransom Counties	29	9:00 pm						5 6	Hail, high winds
									A reported 300 farmers in Ransom County suffered severe losses in crops, many total. Crops in five townships of Sargent County were totally destroyed. Some buildings suffered damage and many north side windows were broken. This storm was one of the most severe summertime storms ever experienced in Ransom County. Winds to 80 m.p.h. were reported.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
<b>NORTH DAKOTA (Cont'd.)</b>										
Leeds	9	p.m.							Lightning storm Barn and some equipment burned, some calves destroyed.	
Fairmont — 4 miles northwest	10	6:15 pm					5		Hail, wind	
Milnor	15	night	Hail, up to golf ball size, caused 100% drop loss on a number of farms.						Rain, hail	
Rolette and Towner Counties	20	night					4		Heavy rain, hail	
Pembina County	21	3:49 pm							Tornado, strong winds, heavy rain	
McIntosh County	21	evening					5		Hail, heavy rain	
Fargo (near)	25	6:25 pm					4		Hail, heavy rain, strong winds	
Grand Forks area	29	4:00 pm					4		Hail, high wind, electrical	
<b>OHIO</b>										
Scattered Areas Over Eastern Half of State	2	Morning and Evening					4		Wind and Rain	
Warren Area, Trumbull County	2	5:00p							Funnel Aloft	
Cleveland, Cuyahoga County	3	8:00a							Waterspout	
Meigs and Washington Counties	4	Afternoon					5		Hail	
Northern Ohio	18, 19, 20	Mostly noons and evenings					5		Hail	
Ashtabula County	24	Mid-afternoon		400 to 800	0	2	5°	C	Tornado, Rain, and Hail	
<b>OHIO (Cont'd.)</b>										
Ashtabula County									In the Roming Rock Shores resort area where a house lost part of its roof, a garage was demolished, and branches were twisted off near the top of trees. Just north of Denmark Center, 1" by 12" boards from the roof of a house were driven a foot into the ground, a garage was crushed, and a large tree was uprooted and deposited erect a distance of 50 feet or more. Hail up to 3/4 inches in diameter was reported. There was extensive damage to corn throughout the path.	
East Fairfield, Columbiana County	24	9:00p		100 to 440	0	2	5°	C	Tornado, Electrical	
Brunswick, Medina County	24	9:15p							Funnel Aloft	
Tontogany, Wood County	24	9:15p							Funnel Aloft	
Montpelier, Williams County	24	9:45p							Funnel Aloft	
Western Half of State	30	Afternoon-Evening			0	2	5	5	Hail, Wind, Rain, and Electrical	
OKLAHOMA	2, 3	2:00p.- 3:30p. 2nd Morning		30	*15	0	0	1	1	Rain and hail
Washita and Kiowa Counties									Locally heavy rains fell over the southwest corner of Washita County and in the eastern one-fourth of Kiowa County. Rain totaled 2 to 6.5 inches from unofficial reports with 3.12 inches at Mountain View and 5 to 6.5 inches in the Saddle Mountain area. The heavy deluge badly washed fields. A 2- by 4-mile hail path near Gotebo wiped out cotton on one farm and heavily damaged another. Hail also damaged crops on two farms in the Con. Eight community.	
Hastings, near, Jefferson County	3	7:00a.- 7:20a.			1	1	0	0	0	Hail
Talihina, near, LeFlore County	3	1:30p.							Funnel aloft	
Cimarron County	3	3:00p.- 3:50p.		8	200	0	0	0	0	3 Tornadoes and funnel aloft
Beaver County	3	4:00p.- 6:30p.		40	*35	0	0	5	4	Rain and hail
									A long rope-type tornado dropped to the ground west of Felt and was visible for about 30 minutes as it moved across open land without damage. It moved eastward toward Felt and then veered northward to pass near a ranch 4 miles north of Felt. It then angled back northeast following the general direction of the Beaver River. Tornado #2 was very small and only touched down briefly in open fields just west of Felt. Tornado #3 was reported on the ground briefly just east of the Wheelless store. A funnel aloft was also sighted about 1 1/2 miles east of Boise City.	
									Severe thunderstorms moved southeastward across the County at 20 MPH causing heavy rains in the Forgan-Turpin-Kimwood-Beaver area. Beaver recorded 2.45 inches while a deluge of 4 to 5 inches was unofficially reported to the west and south of Beaver. Several county road bridges were damaged and sorghums and feed crops washed out. Heavy hail fell along a 4- by 13-mile path across Beaver. Stones averaged 1-inch size with largest of 3-inch size. Hail covered 60 to 80% of the ground in places and broke windows, dented autos, and damaged roofs. The official weather observer at Beaver found 12 stones in his yard which were as large as softball.	

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
OKLAHOMA (Cont'd.) Hooker, 35W, Texas County	3	6:00p.	Short	Narrow	0	1	4	0	Tornado	OKLAHOMA (Cont'd.) Gage, Ellis County	31	8:30p.	?	?	0	0	0	0	Wind	
<p>Employees at the Natural Gas Pipeline Company sighted a tornado that hit their plant located 3 miles southwest of Hooker along Highway US74. One employee was injured by flying glass when the tornado tore away one end of the main engine room at the plant and demolished a 45-foot high natural gas cooling tower.</p>										<p> gusty winds associated with a cold front passage furnished gusts up to 50 MPH. No damage was reported.</p>										
Harrison County	4	12:15p.-1:15p.			0	0	4	3	Funnel aloft electrical, wind, and hail	OREGON PACIFIC AREA										
<p>Police Chief sighted a funnel aloft to the northwest of Hollis. Heavy lightning destroyed 6 power transformers, entered a home causing a TV set to explode, and caused heavy damage to a restaurant when fire ignited from fused wiring. Winds toppled trees, power poles, and two structures were blown over. Hail damaged cotton and other row crops along a 1- by 6-mile path across two farms 1 mile east and 7 miles south of Hollis.</p>										<p>None reported</p>										
Garber, Garfield County	4	8:30p.-9:05p.	15	*10	0	0	1	1	Rain and Hail	PENNSYLVANIA Bedford	4	4:30 p.						3	Rain and Hail	
<p>A heavy thunderstorm moved southeastward across Garber with heaviest rain of 3.9 inches unofficially measured 3 miles north of Garber. Up to 2.5 inches of rain were recorded in 20 minutes at a farm 8 miles southwest of Garber. Hail of 3/4 to 1 1/4-inch size was observed across much of the storm area which damaged some roofs and shredded plants.</p>										<p>Fifteen minutes of hail mixed with driving rain flattened corn, oat, and barley fields in nearby Friends Cove. One farmer estimated 10 to 15 per cent of his 16 acres of oats permanently damaged.</p>										
Forgan, Beaver County	5	1:00a.-2:00a.	Short	Narrow	0	2	4	0	Wind	Millersburg	4	5:00 p.						3	Wind and Rain	
<p>A heavy thunderstorm moved southward across the Forgan area at 30 MPH. Straight winds at a farm southwest of Forgan blew over and demolished a trailer home in which two occupants were injured. Trees were uprooted at the farm and a lot of other damage done.</p>										<p>Tree limbs were snapped and strewn over streets and lawns as a result of strong winds. A heavy limb fell onto a car, causing an estimated \$500 worth of damage.</p>										
Haskell and LeFlore Counties	5	5:00a.-2:00p.	30	*20	0	0	1	1	Rain	Bradford County	9	evening						5	3	Thunderstorm
<p>Heavy rain totaled over 3.0 inches in the counties with greatest of 3.9 to 5.5 inches occurring in the McCurtain-Poteau area.</p>										<p>A heavy localized downpour flooded Towanda Creek and caused flash floods in the Granville and West Franklin area near Troy. One family had to be evacuated when raging floodwaters surrounded their home. Several bridges, trees, and roadbeds were washed away. Cut hay and other farm crops were destroyed by the water's onslaught, while farm machinery was extensively damaged and at least 12 dairy cows were killed. A home was fired by lightning near Towanda.</p>										
Madill, Marshall County	5	5:20p.-5:35p.	1	*1	0	0	3	0	Hail	Lehigh Valley	10	early morning						3		Thunderstorm
<p>A single thunderstorm moved southerly across Madill and provided a 25% coverage of hail in the city which averaged 3/8-inch size and largest of 1 1/2-inch size. Damage occurred mostly to automobiles and some roofs.</p>										<p>Three homes were struck by lightning, causing extensive damage to one.</p>										
Stillwater, Payne County	24	5:00p.-10:00p.	3	*3	0	0	4	0	Rain	Eastern Counties	10	early evening						1	6	Thunderstorms
<p>Rainfall of 3.32 inches was recorded at Stillwater with most of it occurring in a 3-hour period. Unofficial totals up to 6 inches were reported in the city. Five homes were evacuated along Stillwater Creek in the south part of the city where 2 homes were flooded and water was reported 3 feet deep in places. A rain-clogged roof on OSU's communications building began leaking and weakened a suspended ceiling which fell into the studio of the campus radio station and damaged some equipment.</p>										<p>A number of homes throughout the area were fired by lightning. A prize heifer valued at \$100 was killed by lightning near Lancaster while an expensive race horse was injured by lightning in Chester County. A Tamaqua man was burned when lightning struck the steamshovel he was operating. Lightning strikes damaged radio transmitting equipment in the Allentown area. Strong winds toppled a 40-foot tree onto a parked auto in Philadelphia, causing extensive damage. Flooding from locally torrential rains, however, caused the greatest damage. Flood waters rose to several feet in many home basements and business establishments from Wayne to Philadelphia Counties. A number of road surfaces buckled and bridge abutments were weakened by fast-moving water. Sandy Run Creek in Onondaga overflowed and flooded a Country Club clubhouse, causing \$75,000 to \$100,000 damage. At nearby Cheltenham, where flood waters reached 6 to 8 feet, flood damages were estimated at \$400,000 to \$500,000. In the Allentown-Bethlehem area heavy rainfall and consequent runoff caused streams to overflow and storm sewers to back up, producing widespread flooding and mud damage. An amusement park in the area was covered by 2 feet of water, and the force of rushing water weakened supports of at least one bridge while carrying heavy boulders to nearby creek-side homes.</p>										
May, Osage, Washington, Craig and Delaware Counties	25	12:30a.-8:30a.	160	*30	0	0	4	0	Rain	Crawford, Mercer, & Venango Counties	11	4:30 a.						3		Thunderstorm
<p>Scattered thunderstorms developed over the north-central and north-east border counties and furnished heavy early morning rains of 3.5 to 5.0 inches. Heaviest rains of 6.32 inches were reported at the Ponca City airport. Unofficial totals on the outskirts of the city provided readings as high as 8 inches. Lake Ponca reached a 30-year record high level with 40 inches of water running over the spillway about 8 AM. Considerable damage resulted to the docks and other lake facilities with 12 boats sunk. Many streets were closed in the city as water stood three feet deep in places. Four homes were damaged by water. Several bridges and streets were also damaged.</p>										<p>Fire and water damage to a Meadville home was the result of a lightning strike that ignited the roof and wood siding. Wind-broken tree limbs damaged 2 cars and a barn in Sharon, and runoff waters caused minor flooding.</p>										
Kiowa County	28	3:30p.-4:00p.	25	*15	0	0	3	0	Wind	Southeastern Counties	11	evening						3		Thunderstorm
<p>High winds accompanied the storm across the Hobart-Mountain View-Saddle Mountain area. Gusts up to 63 MPH were recorded by the Hobart FAA weather station. The roof was blown off a steel barn at the northeast edge of the city and a large tree blown down in the City Square Park.</p>										<p>A thunderstorm coming on the heels of the violent weather of the previous day occasioned further flooding. Lightning fired a garage and 3 homes in Chester County with damage estimated at \$500. In Lancaster County 3 cows were killed by a lightning bolt.</p>										
Lindsay area, Harvin County	28	3:55p.-4:30p.	2	*1	0	0	4	5	Wind, hail, and rain	Lehigh Valley	11	afternoon						3		Thunderstorm
<p>A severe thunderstorm moved southeastward across the area with the major damage path reported 3 miles east-northeast of Lindsay. High winds estimated up to 70 MPH flattened harvest-ready broomcorn, damaged trees, and unroofed a barn. Some hail of 1- to 1 1/2-inch size also fell along a 1/4- by 1-mile path and covered up to 90% of the ground. Blinding rain was unofficially measured at 2.7 inches for the 35-minute storm.</p>										<p>75 tons of hay valued at \$25,000 were destroyed in a barn blaze sparked by lightning in Centre Valley. Severe washouts due to heavy rain were reported in Williams Township in Lehigh County. High winds mixed with rain and hail at Bangor in Northampton County demolished a house trailer and damaged a nearby house; losses were estimated at \$7,000.</p>										
Northwest part of Kingfisher County	28	Afternoon			0	1	0	0	Lightning	Clearfield County	11	afternoon						3		Thunderstorm
<p>A young boy was injured by a lightning bolt which struck a tree. He was attempting to pull himself up from the river bank by pulling on the tree limbs when struck. He was knocked unconscious for a while and received burns under both arms.</p>										<p>7 valuable cows died from a lightning strike near Clearfield.</p>										
										Mt. Pleasant, Westmoreland County	19	evening						4		Thunderstorm
										Kane, McKean County	20	3:00 p.						3		Hail
																				Hailstones up to 3 inches in diameter flattened crops 5 miles east of Kane.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

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			
PENNSYLVANIA (Cont'd.)											
Lehigh Valley	20	night					3		Lightning		
									Lightning fired 2 Allentown homes with damage estimated at \$2,500.		
Abington	20	night					4		Thunderstorm		
									Newly laid macadam was swept away, electrical service interrupted, and basements reflooded when localized rains fell onto Abington Township with intensity approaching that of 2 previous July storms.		
York & Lancaster Counties	21	afternoon					3		Hail		
									Corn, late grains, potatoes, and other crops were damaged by a severe prolonged local storm which produced walnut-sized hailstones.		
Scranton	21	evening			1		3		Thunderstorm		
									A caddy suffered minor burns when a lightning-ignited, ricocheting heat blast knocked him down at the Country Club of Scranton; nearby a bolt struck and caused slight damage to a home while accompanying rains flooded neighborhood roads and cellars.		
Southeastern Portion	21	night					4		Thunderstorm		
									Widely scattered storms hit this area, dumping torrents of water into streets and basements. In Bangor, Northampton County, a flooded stream swept a house trailer off its foundations. The flat roof of an industrial building in Pottstown collapsed under the weight of water buildup from the storm. A succession of lightning strikes in lower Bucks County fired several homes, the most seriously hit sustaining \$31,000 damages. In affected areas power was disrupted.		
Clearfield County	23	4:00 p.					3		Thunderstorm		
									A lightning-caused fire extensively damaged a home in Osceola Mills and power failures plagued this area for over an hour.		
Middletown	23	9:00 p.					4		Wind		
									Winds estimated at between 60 and 70 mph. unroofed an apartment building and felled a tree onto a parked automobile, causing considerable damage.		
Statewide	24	day-long					6		Thunderstorm		
									Flash floods from the severe storm in Conneautville and Springboro caused losses running over \$10,000. Flood waters carried mud and debris through borough streets and into stores and churches. Damage to merchandise accounted for the greatest portion of the loss. Water levels in city streets reached up to 8 inches, and basement flooding was a common occurrence. Heavy rain in New Kensington produced water 3 feet deep coursing through city streets where merchandise valued at \$1,000 was destroyed when the water entered a department store. In Leechburg lightning touched off a costly restaurant fire, causing \$35,000 to \$40,000 damages. A lightning-fired barn was gutted near Ford City and \$1,000 damages resulted when a bolt bounced into a Rochester Mills home from the chimney. Winds carried with them hail pellets and tree branches, resulting in widespread minor damage in the Halifax area. Near Duncannon a barn was blown down. Lightning started a fire in a Middletown home. Drainage water from the intensive storm damaged the stadium and campus walkways at Lehigh University in Bethlehem.		
Beaver County	24	10:00 p.	short narrow				4		Wind		
									A twister that ripped across Ohio apparently spawned a gust manifested in New Sewickley Township, destroying one Western Pennsylvania home and several garages, sweeping away a nearby barn, and heavily damaging a farmhouse. Trees in the path of the storm were uprooted and strewn about the immediate area.		
Indiana County	25	1:00 a.					4		Thunderstorm		
									A sawmill at Shelocca was destroyed after a bolt of lightning ignited an extensive fire; losses were estimated at \$20,000. Heavy winds toppled several large trees, lifted a house trailer from its foundation, and sheared off the roof of a barn in the area south of Strongstown.		
Warren County	25	early morning					4		Thunderstorm		
									A bolt of lightning fired and obliterated a 100-year-old barn along with large quantities of hay and farm machinery.		
Dauphin & Lebanon Counties	25	3:00 p.					4		Thunderstorms		
									The storm brought power failures, flooded basements and a street cave-in to the greater Harrisburg area, while in nearby Mt. Gretna the high winds mixed with rain threw heavy tree limbs onto valuable properties. Several homes were damaged and an automobile was completely demolished.		
PENNSYLVANIA (Cont'd.)											
Middle Susquehanna & Pocono Sections	25	early evening					1	5	Thunderstorms		
									The steel skeleton of a plant under construction at New Columbia was twisted beyond recognition under the force of winds that left less than 10% of the girders in salvagable condition. Part of a large tree was blown onto a New Columbia home, gouging holes in the roof. Rain and lightning struck the Hazleton area, leaving streets flooded and electrical service temporarily out of order. Lightning was responsible for the death of a young golfer near Scranton when it struck his golfclub. Lightning also fired a recreation building at a Wayne County camp.		
Pittsburgh and Allegheny County	27	early evening						4	Thunderstorm		
									A heavy rain lashed at Pittsburgh, creating flash floods, felling trees across utility wires, and damaging homes. Lightning fired and destroyed a barn near Tarentum containing farm machinery and 25,000 bales of hay.		
Lehigh Valley	28	1:00 p.						4	Thunderstorm		
									Flooding in City streets and basements in the Allentown-Bethlehem area was reported, and lightning struck the bell tower of a local church, causing \$10,000 damage.		
Fayette County	29	6:00 a.						2	Lightning		
									Considerable damage was visited on a Brownsville Township home when lightning shattered plaster and broke fixtures in one room.		
Cumberland County	30	10:00 p.						3	Lightning		
									Fire broke out in a Plainfield home after lightning sparked the attic.		
Lancaster County	31	afternoon						3	Rain and Hail		
									Severe damage to tobacco, corn, and potato crops resulted when quarter-sized hail pelted fields for 5 to 20 minutes. The tobacco yields are expected to be reduced in value because of shredding.		
PUERTO RICO											
	25	Morning, 11:00 p.					10	0	3	0	High Winds with rough seas
											Heavy sea conditions caused a private boat to sink near La Parguera drowning 5 of its 10 passengers. Also 5 fishermen were drowned near Humacao when their boat sank in rough seas. Later in the evening about 11:00 p.m. a strong thunderstorm moved over Punta Santiago and high winds unroofed 4 wooden houses, uprooted trees and blew down some light poles.
RHODE ISLAND											
None reported											
SOUTH CAROLINA											
Greenville County	12	6:00 p.	1/20	25	0	0	4	0	0	Small tornado	
										The tornado damaged one house and snapped off two trees in the city of Greenville. Accompanying wind and rain felled a few trees and many limbs and caused considerable flooding and power failure. Three cows were killed by lightning and two cars were demolished by falling trees.	
Beaufort County	23	Afternoon					1	2	0	0	Lightning
											A man was struck by lightning and killed instantly while walking on St. Helena Island. A woman walking at his side and a one-year old child he was carrying in his arms received only minor burns.
Spartanburg County	25	Afternoon					0	0	4	0	Lightning
											A fire caused by lightning destroyed a large barn and its contents at Roebuck about four miles south of Spartanburg.
Pickens County	26	3:30 p.					0	0	4	0	Lightning
											A house located 4 miles south, southwest of Easley was struck by lightning and set on fire. The house and all the contents were destroyed.
Richland County	29	4:56 p.-6:15 p.					0	0	4	0	Lightning, wind, rain, hail
											A large warehouse and cotton stored therein was destroyed in a fire set by lightning in the city of Columbia. Several other minor fires occurred and several minor auto accidents. Some trees and many limbs were downed by wind and heavy rain. The hail was small and not damaging. Extensive disruption of electric and telephone services occurred as a result of the storm.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

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	
SOUTH DAKOTA									
N Central and NE S.D.	9	Early am						?	Mid-summer frost
									Isolated areas reported frost in low places. Damage estimated to be light.
Huron	9	About 5:00 a			0	0	4	0	Lightning
									Fire which was believed started by lightning, destroyed a large State Fair building.
ERN Campbell and NERN Walworth Counties	9	2:00-2:30 p			0	0	0	4	Hail
									Hail averaged 1 inch and covered ground up to 2 1/2 inches. Two swaths reported. One 4 miles long and 1 1/2 miles wide occurred between Java and Bowls. The other was a narrow swath 1 mile long near Artes.
Tulare SW	9	2:50 p			0	0	0	0	Tornado
									Touched down briefly in open field with no reported damage.
ERN Faulk and NERN Hand Counties	9	3:00-5:00 p			0	0	4	5	Hail and Wind
									Several hail swaths were reported in area. The hail and wind caused extensive damage to crops with some damage to buildings reported. Hail averaged 1 inch and covered ground up to 3 inches. Storm moved from NW to SE.
Lesterville-Utica Area	9	4:30-5:30 p	10	*5	0	0	4	5	Hail
									Hail averaged 1 inch. Storm moved from W to E. Hail caused 100% crop damage in a 8 square mile area.
Canova	9	5:40 p							Funnel aloft
Howard 8NW	9	About 4:30 p			0	0	0	0	2 Tornadoes
									Apparently touched down in open field with no reported damage.
Lake Herman 2S	9	6:20 p			0	0	0	0	Tornado
									Touched down in open field with no reported damage.
Chester 1S	9	6:30 p			0	0	0	0	Tornado
									Touched down in open field with no reported damage.
SWNR Tripp County	9	6:30 p	15	*2	0	0	0	4	Hail
									Hail up to golf ball-size covered the ground. Storm moved from W to E. Damage mostly to grassland.
Philip-Ft. Pierre Area	10	About 7:00 p	65	*8	0	0	4	6	Hail
									Hail up to golf ball-size caused extensive damage to a bumper wheat crop which was about ready to harvest.
ERN Sully County	17	8:00-9:00 p	37	*2-5	0	0	5	6	Hail
									Hail averaged 1/2 inch and covered ground up to 4 inches. Storm moved from NW to SE. Hail caused extensive damage to crops estimated at \$2,000,000.
Martin	18	3:00 - 6:00 p			0	0	3	0	Heavy rain
									Heavy rain of 5.44 inches in 3 hours caused flash flooding but only light damage.
Long Lake-Leola Area	21	pm	?	?	0	0	4	5	Hail
									Hail up to hen egg size caused extensive damage to crops. Numerous windows and roofs were also damaged.
Vivian-Fresho-Kennebec Area	21	Evening	?	?	0	0	0	5	Hail
									Hail up to golf ball-size caused spotty damage to crops in area. Some of the early winter wheat crop had been harvested.
McIntosh-McLaughlin Area	24	5:00 - 5:30 p	30	*3-5	0	0	0	5	Hail
									Hail caused crop damage of 25 to 100% in area. Storm moved from NW to SE.
NERN Dewey, SWNR Potter and ERN Sully Counties	24	7:30-9:00 p	80	*3-5	0	0	4	6	Hail and wind
									Wind driven hail caused extensive damage to crops and some damage to buildings. Storm moved from NW to SE generally along line from Trail City to Harrold.
Bison	28	4:30-8:30 p	5	*2-3	0	0	0	5	Wind and Hail
									Wind-driven small hail caused spotty damage in area.
SOUTH DAKOTA (Cont'd.)									
ERN Marshall, WRN Roberts and NRN Grant Counties	29	10:00-12:00 p			0	0	4	5	Hail and wind
									Wind-driven hail caused spotty damage to crops in area. Wind caused some property damage. Storm moved from NW to SE.
TENNESSEE									
Carthage, Smith County	2	8:10 a.							Funnel cloud
									Pilot reported funnel cloud, 10 miles east of Carthage.
Shelby, Fayette Counties	4-9				0	0	60	C	Heavy rains, flooding
									Periods of heavy rains, July 5 through July 9, resulted in flooding of the Wolf River in the vicinity of Collierville, Rossville, and parts of Fayette County. Five to six inches of rain fell July 5-6, and four to five inches on the 9th. An estimated 10,000 acres of soybeans, corn, and cotton were inundated resulting in damage estimated at \$500,000. Public claim worst flood since 1937.
Memphis, (near) Shelby County	5	2:25 p.			0	0	40	C	Tornado and heavy rains
									Highway Patrol reported minor damage to trees in Coldwater, Mississippi area, where a small tornado touched ground briefly. Local flooding in Memphis and on Highway 57, about 20 to 30 miles east of City.
East Tennessee	5-7				2	0	6	C	Heavy rains, flash flooding
									Torrential rains sent many streams roaring over their banks in the area, flooding roads, highways, houses and buildings. Flash flooding caused considerable damage in Anderson and Roane County. In Oliver Springs, 2 to 3 feet of water from Cow Creek and Indian Creek inundated sections in the center of town. In nearby Lake City and Bridgeville, flooding occurred along Coal Creek. Heaviest part of the storm struck in the vicinity of Kingston, where 7.2 inches of rain were measured in about a 36-hour period. Heavy rain was general from the Norris Lake area, southwestward to Chattanooga. Other heavy rainfall figures included 6.5 inches at La Follette, 6.3 inches at Norris Dam, 6.2 inches at Watts Bar Dam, 5.4 inches at Athens, 5.4 inches at Dayton, 4.9 inches at Oak Ridge and 4.4 inches at Chattanooga. Flood damage to crops was estimated at \$500,000. Two teenage boys drowned when their automobile plunged into a swollen creek off a rural road in Anderson County. A breakdown of the total storm rainfall at Oliver Springs indicates that about 1.0 inch fell from 7 p.m. to midnight on the 5th, with heavy rain beginning about 11 p.m. The heaviest amounts occurred on the 6th, when 24-hour totals exceeded 5 inches. Light showers occurred in the storm area until about 8 a.m. on the 7th. At Cleveland, Tennessee, showers continued until about 5 p.m. on the 7th, when 7.6 inches of precipitation were reported for the past 2 days. In Roane and Anderson Counties, property losses were estimated between \$200,000 and \$300,000.
Paris, Henry County	5	p.m.			0	0	3	0	Thunderstorm
									Damage to trees and powerlines.
Cleveland, Bradley County	6	p.m.			0	0	4	0	Lightning
									Fire, believed to have been caused by lightning, destroyed one house and damaged a second. Several large trees blown down in various parts of the City.
Crossville, Cumberland County	10				0	0	4	0	Heavy rains, flooding
									Heavy rains in excess of 3.5 inches in some areas, flooded basements and caused numerous washouts on roads and bridges.
Union City, (near) Obion County	11	a.m.			0	0	50	C	Heavy rains, flooding
									Unseasonable heavy rain washed out roads and damaged farmlands. In the Harris community, corn, cotton and soybean acreage was destroyed by high water from Harris Creek and Grassy Creek.
Memphis, Shelby County	11	5:30 p.			0	0	5	0	Rain, wind and Electrical
									Electrical storm accompanied by winds to 60 mph caused scattered damage to trees, lines, and roofs. Widespread damage to powerlines. Some local flooding from heavy rains.
Brownsville, Haywood County	11	p.m.			0	0	4	0	Wind, rain and flooding
									Strong thunderstorm wind uprooted trees, knocked down powerlines, broke plate glass windows and damaged roofs of several stores. Rain flooded streets and roads with resultant damage. Most damage due to wind.
Anderson, Roane Counties	11-12				0	4	60	C	Heavy rains, flash flooding
									Heavy rains during the previous week caused recurrent flash flooding along streams in Anderson and Roane County. The second major flooding within five days inundated much of Oliver Springs, when on the evening of the 11th, torrential rains produced flash flooding along Cow Creek and Indian Creek. Most of the worst flooding was in the business district and low-lying residential areas. Four hundred and fifty persons were evacuated from eighty homes. Three frame houses and a church were washed off their foundations and destroyed. Numerous structures destroyed or heavily damaged by high water. Damage to tobacco crops in the area were estimated at 100 per cent. On the main streets in Oliver

See reference notes at end of table.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>TENNESSEE (Cont'd.)</b>									
									<p>Springs, the flood crest reached about 6 feet, 1 1/2 feet above the record flood of June, 1928. An unofficial measurement of 6.5 inches was reported in Oliver Springs for a 12-hour period ending at midnight on the 11th. At Oak Ridge, the nearest weather station reported 4.6 inches during the same period. The heavy rains were confined primarily in a small area over the Upper Cumberland Plateau, with reports of light showers elsewhere on the Plateau during this period. July was the wettest month of record over much of the central portion of the State and several stations recorded over 13 inches of rain during the 31-day period. Oak Ridge recorded 19.3 inches for the month. Preliminary estimates place damage at Oliver Springs for the July, 1967 floods between \$1 and \$2 million.</p>
Lincoln County	12	5:00 p.	short narrow	0	0	4	0		Tornado
									<p>Small tornado touched ground briefly, 6 miles east of Fayetteville, uprooting and twisting off several large trees. A house trailer was demolished.</p>
Clarksville, Montgomery County	13	p.m.			1	1	3	0	Wind
									<p>A workman was killed and another injured when a gust of wind toppled a concrete wall under construction.</p>
Van Buren County	21	8:00 p. 11:00 p.			0	0	4	0	Heavy rains, flooding
									<p>Public reported heavy rains measured between 3 to 7 inches in the Bone Cave and Laurel Creek sections of County. Local flooding resulted in considerable damage to rural roads and small bridges.</p>
Lafayette, Macon County	21	10:30 p. 11:30 p.			0	0	3	0	Rain, hail
									<p>Heavy rain and hail caused scattered property damage.</p>
Greenville County	24	5:00 p.			0	1	3	0	Lightning
									<p>Farm worker injured by lightning while herding dairy cows in open field; three cows were killed.</p>
Memphis, Shelby County	25	p.m.			0	0	4	0	Wind, Lightning
									<p>Powerlines and transformers damaged by wind and lightning.</p>
Claiborne County	25	p.m.			0	0	4	0	Rains, flooding
									<p>Six houses in the Tipprell community were damaged by flooding streams.</p>
<b>TEXAS</b>									
NW Tullia Swisher Co.	2	11:34 p	**500	100	0	0	2	0	Tornado
									<p>A tornado touched ground briefly northwest of Tullia causing minor damage to a public school building, an elevator, and uprooting about 15 trees. Thirty two window panes in the school building were blown out. Several elevator doors were twisted by the wind.</p>
7SW Adrian Oldham Co.	2	night							2 funnels aloft
10W Happy Castro Co.	2	night	short narrow	0	0	0	0	0	2 tornadoes, funnel aloft
									<p>Two tornadoes touched ground briefly in open farm land 10 miles west of Happy, Texas, without causing any known damage. A third funnel failed to touch ground.</p>
2E Littlefield Lamb Co.	2	night	short narrow	0	0	0	0	0	Tornado
									<p>A tornado touched ground briefly in open farm land two miles east of Littlefield without causing any known damage.</p>
8S Tyler Smith Co.	3	4:00 p	short narrow	0	0	2	0	0	Tornado
									<p>A tornado touched ground near the home of Carl F. Lofton, eight miles south of Tyler, uprooting trees, destroying a hen house and unroofing a barn and a shed. Two large oak trees were uprooted, barely missing the Lofton home.</p>
20SW Dalhart Hartley Co.	3	6:45 p							Funnel aloft
Ochiltree and Lipscomb Counties	3	7:00 p- 9:30 p	30	*10	0	0	5	5	Hail and windstorm
									<p>Crops were shredded and flattened by small hail and high winds in a 10-by-30 mile swath across the eastern portion of Ochiltree County and the western portion of Lipscomb County. Damage from hail was estimated at \$250,000 of which \$150,000 was property losses and \$100,000 was losses to field crops. Most of the property losses were in Perryton. High winds propelled hail under six and eight foot overhangs on porches, smashing out windows under the porches. Roofs received extensive damage from hail. The largest hail stones were one inch in diameter, but average diameter was only one-half inch. In Perryton high winds blew out plate glass windows at the First National Bank, Taylor Drug, and B&amp;B Sales Company. The force of the wind blew some heavy stones from the top of the Methodist Church bell tower. Radio antennae were blown down at the State Highway Department office, Pool Well Servicing Company, Harvey's Electric Company, and station KRYE. Part of the roof was blown off the Key Heights Baptist Church and blocks were blown off Clark's Shamrock station. Part of the roof was blown off the Chateau Apartments. About three miles of high voltage transmission line was completely destroyed about eight miles southeast of Perryton at a loss estimated at \$65,000.</p>
<b>TEXAS (Cont'd.)</b>									
3E Perryton Ochiltree Co.	3	7:30 p	1	50	0	0	4	0	Tornado, 2 funnels aloft
									<p>A tornado dipped down at the Perryton airport three miles east of Perryton, destroying one hangar completely along with two airplanes, while damaging several other hangars and planes. Two other funnels sighted in the area did not touch ground. Winds were estimated at 80 to 100 miles per hour. In Perryton trees limbs were torn off and blown into streets and yards. Signs were blown down. At a trailer sales company on South Main Street, a large trailer was blown over and damaged another when it fell.</p>
7N Wallington Collingsworth Co.	3	8:45 p							Funnel aloft
5W Darrousett Lipscomb Co.	3	8:45 p							Funnel aloft
5N White Deer Garson Co.	3	9:05 p							Funnel aloft
Moebette Wheeler Co.	3	9:30 p	2 narrow	0	0	?	0	0	Tornado
									<p>A tornado demolished a brick bank building at Moebette, damaged the post office building next door to the bank, and wrecked a vacant store building. The roof and front of a beauty shop was torn off, and three other buildings and several homes suffered roof damage. It toppled trees, plumed several automobiles underneath and littered the streets. There were no deaths or injuries. The tornado moved from north to south.</p>
8SW Canadian Hemphill Co.	3	evening	?	?	0	0	?	0	Tornado, windstorm
									<p>A tornado touched ground in open ranch land about eight miles southwest of Canadian. A tree was uprooted and tossed across U. S. Highway 60. High winds associated with the thunderstorm cloud that spawned the tornado caused minor damage to several farm and ranch buildings and windmill towers along its route. At least five windmill towers were blown over by the wind.</p>
Gladewater Gregg Co.	6	3:00 p			0	0	5	0	Lightning
									<p>Lightning struck an oil storage tank owned by the General American Pipeline Company setting it afire. Flames spread to two other storage tanks nearby. Two of the three tanks were filled with oil. The duplexes owned by the Government Housing Authority, directly across the street from the fire, were scorched slightly. Damage to the tanks, including oil losses, was estimated at \$160,000. Also destroyed in the fire was a pump station valued at about \$7,000.</p>
Near Hallsville Harrison Co.	6	evening **300	?	0	0	0	0	0	Tornado
									<p>A tornado dipped down from a thunderstorm between Hallsville and the Upshur County line and churned across open farm land without causing any known damage.</p>
Fort Arthur Jefferson Co.	12	12:25 p- 12:27 p							Funnel aloft
Jefferson Marion Co.	12	5:30 p			0	0	4	0	Lightning
									<p>Lightning struck the H&amp;K Food Store warehouse at 910 North Walcott Street in Jefferson setting it afire. The building was heavily damaged. Destroyed in the fire were approximately 30 riding lawnmowers, a boat and trailer, and numerous other pieces of equipment.</p>
Beaumont Jefferson Co.	13	2:52 p- 2:53 p	short narrow	0	0	4	0	0	Tornado
									<p>A small tornado ripped between two buildings of the Dollinger Specialties Company, at 3720 Hollywood, sending tin roofing and wooden pilings hurling through the air and downing power lines. The roof of the company's storage building was badly damaged. Equipment in the building - nails, rivets, and machinery - were swept out of the building and into the yard. A sliding door at the back of the building was torn from its railings and blown away. Extensive damage was done to cars belonging to employees parked close to a fence in front of the yard. More of the tin roofing toppled onto the tops of these. A shed in front of the storage building collapsed on the automobile. Damage to company buildings was estimated at \$25,000.</p>
San Antonio Bexar Co.	13	?			0	2	0	0	Lightning
									<p>Lightning struck a tree in South San Antonio and severely burned Rebecca Morones, 14, and her brother, Mike, 11, as they played beneath the tree.</p>
Idalou Lubbock Co.	18	5:15 p- 6:00 p	11	*3	0	0	5	5	Hailstorm
									<p>A severe hailstorm battered the Idalou area, devastating crops over a wide area and inflicting heavy damage to homes and businesses. Maturing cotton and fully-headed grain fields in the vicinity of Idalou were obliterated by hailstones ranging in size from 1/4 inch to 1/2 inches in diameter. Agricultural losses were estimated at \$500,000. Property also suffered severely. Hardly a building along First Street escaped damage. Hundreds of windows on the north side of buildings were smashed. Property damage was estimated at \$200,000.</p>
Lubbock Lubbock Co.	18	11:00 p							Funnel aloft
Woodrow Lubbock Co.	18	night							Funnel aloft

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

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 (Cont'd.) Near Slaton Lubbock Co.	19	6:00 p - 7:00 p	?	?	0	0	?	?	Hailstorm
									Hail damaged crops in a small area about six to eight miles north of Slaton. Largest hailstones were about one inch in diameter.
Howard Co.	19	night							Funnel aloft
									A funnel was observed aloft in northwestern Howard County between Vealmoor and Ackarly.
SW Tahoka Lynn Co.	20	evening							2 Funnels aloft
									Two funnels were sighted aloft near the Wells community in southwestern Lynn County.
Near Gatesville Coryall Co.	23	6:00 p			1	2	0	0	Lightning
									Lightning struck and killed an inmate of the Mountainview School for Boys near Gatesville. Two other boys were injured by the same bolt, neither seriously. They were among a group of boys playing softball on the school's campus. The lightning struck just before the arrival of a heavy thunderstorm cloud which dumped 1.05 inches of rain on Gatesville within 30 minutes.
ISS Amarillo Randall Co.	28	5:25 p	?	?	0	0	?	?	Hailstorm
									Hailstones up to 1 3/4 inches in diameter fell on farmland in Randall County about 15 miles south of Amarillo. The extent of hail damage, if any, was not determined.
UTAH Utah, Salt Lake, Davis, and Weber Counties	3	Late aftn and early evening			0	0	4	3	Lightning, wind, rain
									A lightning, wind, and rain storm hit the western slopes of the Wasatch Mountains in northern Utah during the late afternoon and early evening. Lightning caused several grass fires, damaged several trees and power lines. Wind blew over trees and damaged power lines and automobiles. Wind also seriously damaged an Aeronca single engine plane at the Provo airport.
Wasatch Front- Cedar City to Salt Lake City	16	After- noon			0	0	4	3	Thunderstorms, flooding
									Heavy thunderstorm and shower activity during the afternoon resulted in considerable local flooding at several areas along the Wasatch Front. Most serious flooding occurred in Salt Lake City and Cedar City. Lightning damaged transformers and power lines. Winds up to 47 miles per hour as measured at the Salt Lake Airport uprooted trees and damaged signs.
Pox Elder County, Tremonton	24	4:25 p. MST							Funnel Cloud
									Funnel cloud observed by pilot of DC6 aircraft appeared to almost touch ground and then dissipate.
VERMONT State	24				0	0	3	0	Lightning, wind
									Scattered thunderstorms, occasionally severe, with some damage by lightning and wind.
State	25				0	0	3	0	Lightning, wind
									Scattered thunderstorms, occasionally severe, with some damage by lightning and wind.
State	26				0	0	3	0	Lightning, wind
									Scattered thunderstorms, occasionally severe, with some damage by lightning and wind.
State	31				0	0	3	0	Lightning, wind
									Scattered thunderstorms, occasionally severe, with some damage by lightning and wind.
State									SPECIAL SUMMARY Fog was unusually frequent for July, with much daytime haze. Transportation hampered by heavier night fogs.
U. S. VIRGIN IS.									None reported
VIRGINIA Suffolk area, Nansemond County	4	12:55 p.	2	50	0	5	4	C	Tornado
									A small tornado moving from south to north demolished 2 houses, badly damaged 2 others and destroyed 2 farm buildings in the Cypress Chapel Community about 15 miles south of Suffolk. Along the path trees were broken or uprooted, cornfields flattened, and utility lines downed. A woman was hospitalized for head injuries and 4 other people received minor injuries.
Eastern Hanover County	4	6:30 p.			0	0	3	5	Hail, Wind
									Hail during heavy thunderstorms destroyed an estimated 20 percent of the county's truck farm crop mainly in the areas around Studley, Pole Green, and Old Church. Strong winds downed trees and damaged fences.
Martinsville area, Henry County.	8	9:00 p.			0	0	?	?	Hail
									Hail 1 3/4 inches in diameter was reported by the public 3 miles south of Martinsville.
VIRGINIA (Cont'd.) Near Middleburg, Loudoun County	12	3:00 p.			0	0	4	0	Lightning, wind
									Lightning struck a barn which burned and damaged a silo near Fincroft. An antique car and 2,000 bales of hay were burned. A fire attributed to lightning gutted an art studio destroying or charring its contents in Middleburg. Strong winds uprooted scores of trees in the area.
Near Rocky Mount, Franklin County	17	3:50 p. - 5:05 p.			0	0	0	4	Hail
									Large hailstones fell on three occasions during a thunderstorm in the Redwood Community completely destroying all tobacco crops in its path. Wheat, corn and home gardens were also damaged or destroyed.
Chatham area, Pittsylvania County	20	3:00 p.	7	4*	0	0	0	5	Hail
									Hail during a thunderstorm hit about 50 farms in an area extending from 4 miles west of Chatham to 3 miles east of U.S. 29 between Concord and Tightqueeze. Hailstones to golf ball size but mostly size of a marble were reported. An estimated 200 acres of tobacco was a total loss with more tobacco and other crops badly damaged.
Snow Creek area, Franklin County	20	3:00 p. - 3:30 p.	5	5*	0	0	0	4	Hail
									Hail up to 3/4 inches in diameter caused moderate damage to tobacco and other crops.
Harrisonburg, Rockingham County	20	3:15 p.			1	0	0	0	Lightning
									A 12 year old boy was killed by lightning at a city playground.
Elkton area, Rockingham County	20	Afternoon			0	0	0	4	Hail
									Large amounts of hail to 1 inch in diameter caused considerable damage to crops and gardens in the section northwest of town.
WASHINGTON WEST VIRGINIA									None reported
Middlebourne, Tyler County	4	2 p.m.			0	0	3	0	Windstorm
									Wind associated with thunderstorm uprooted trees and blew the roofs off of several houses. Hailstones the size of moth balls also fell. The center of this storm was about 2 miles northwest of climate station.
Morgantown	10	2:15 a.m.			0	0	4	0	Lightning
									Lightning struck the utility room of a motel on the Mileground Road near the airport. The resulting fire destroyed laundry facilities and routed occupants from their beds.
Ripley, Jackson County	20	3 a.m.			0	0	3	0	Lightning
									A barn in the Foster Ridge area was destroyed by fire after being struck by lightning.
WISCONSIN State	2	am & pm			0	0	0	5	Hail
									Thunderstorms with very widespread occurrence of hail across state. Generally small hail but accumulated to depth of 1" in several central and east central areas.
Brillion	2	2 p			0	0	0	0	Tornado
									Brief touchdown at Brillion 20 miles south of Green Bay.
Southeastern counties	11	p			0	0	5	0	Wind, hail
									Severe localized thunderstorms caused wind damage in Jamesville, Beloit, Madison, Dousman. Hail 1" diameter reported at Crafton.
Forest County	16	4 p			0	0	0	0	Funnel aloft
									Pilot reports funnel near Waubesa
Crawford County	16	11 p			0	0	4	4	Hail, rain
									Severe thunderstorm with hail and about 1/2" rain in one hour damaged crops and caused flash floods. About 10 square mile area southeast of Lynxville hit by the heavy precipitation. Several roads and bridges washed out.
Eastern counties	17	p			0	0	4	4	Hail, lightning
									Scattered reports of hail damage at Fort Atkinson and near Goodman in Marinette county. Lightning started fires which burned barns near Sturgeon Bay and at Lena in Oconto County.
Grant County	20	p			0	1	0	0	Lightning
									11-year old girl knocked unconscious by lightning near Mount Hope.
State	22-23	night			0	5	6	5	Wind, hail, Lightning
									Severe thunderstorms with damaging winds and hail crossed the state from northwest to southeast entering northwest corner of state early evening and clearing southeast early morning of the 23d. Most wind and hail damage concentrated in counties from Burnett, Polk, St. Croix and Pierce southeastward to Shabogian, Osaucke, Milwaukee and Racine. Also some damage from Lake Superior shores ESEward across the northern resort areas. Fires blazed on lightning destroyed buildings near Delavan and Sun Prairie.

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1967

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
WISCONSIN (Cont)									
Pierce County.	22	8:30 p	10	200	0	3	5	0	Tornado
									Tornado moving ESE-ward destroyed at least six barns and damaged other buildings in Martell, Oilman and El Paso townships. Tornado first reported near intersection highways 63 and 29.
Barron, Rusk, Chippewa counties	22	9 p			0	6	5	0	Tornado
									Skipping tornado touched down several times along a 50 mile track from near Turtle Lake ESE-ward through Chetek to near Holcombe.
Clark and Wood counties	22	11 p	20	100	0	2	5	0	Tornado
									Tornado moving ESE-ward touched down destroying 7 barns and killing 16 cattle at Spokeville near Loyal. Several buildings and mobile homes destroyed at Marshfield.
Fond du Lac county	23	1:10 a	20	100	0	0	5	0	Tornado
									Tornado moving ESE-ward dipped down around County Trunk P west of Van Lync. Several farms and buildings were damaged or destroyed along the path down to Lake Winnebago. The tornado struck the eastern shore of the lake, after passing about 5 miles over water, doing damage to several cottages in Winnebago Park.
State	26	p			0	0	5	6	Hail
									Widespread damage from hailstorms throughout Wisconsin. An estimated crop damage of \$200,000 damage in southern Manitowoc county where hail measured 2" to 3" in diameter in some places. Other east-central counties hit hard.
Green County	29	4:30 p			0	0	4	5	Tornado, wind, hail
									A severe thunderstorm moving SE-ward with strong winds and hail damaged crops and property around Monticello and Monroe. A small tornado was spotted at 4:45 near Clarno moving SE-ward into Illinois.
Southern counties	31	am			0	0	5	4	Hail, lightning
									Morning thunderstorms brought scattered hail to southern counties. A lumberyard at Racine was struck by lightning and burned with damage in excess of \$150,000. At least 6 cows were killed by lightning near Brodhead.
WYOMING									
Tensleep	3	5:30 p.							Funnel aloft
									Highway patrol reported a funnel aloft southeast of Tensleep.
Casper 18 SSW	4	11:00 a.							Funnel aloft
									WBAS Casper sighted funnel aloft 15 to 20 miles south-southwest of Casper Airport.
Casper 20 E	15	11:20 a.							Funnel aloft
									Casper WBAS reported a funnel aloft.
Casper 12 SW	15	11:51 a.							Funnel aloft
									Casper WBAS reported a funnel aloft.
Encampment 15 SW	15	afternoon	3	800	0	0	0	4	Tornado
									A tornado touched down in the Hayden division of the Medicine Bow National Forest, damage to trees.
Casper	15	1:00 p.			0	0	5	0	Heavy rain and flash flood
									Over two inches of rain in less than two hours caused flash flooding in Casper with damage to houses, stores, lawns, cars, etc.
Basin 5 W	24	3:00 p.	?	?	0	0	3	C	Tornado
									A tornado touched down on the Cecil Demison farm damaging out-buildings and grain fields.

- \* 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 \$5,000,000
  - 7 \$5,000,000 to \$50,000,000
  - 8 \$50,000,000 to \$500,000,000
  - 9 \$500,000,000 to \$5,000,000,000.

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. Delayed data and corrections will be carried in the June and December issues of this publication.

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