

U. S. DEPARTMENT OF COMMERCE
JOHN T. CONNOR, *Secretary*
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
WEATHER BUREAU

STORM DATA

JULY 1965

Volume 7 No. 7



ASHEVILLE: 1965

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1965

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
Athens, Limestone County	5	Afternoon			0	0	4	0	Electrical Fire caused by lightning destroyed 1 house, and 1 house heavily damaged by lightning
Lanett, Chambers County	6	2:00p			0	0	4	0	Wind High winds occurring with thunderstorm uprooted trees, toppled television antennas, and caused minor damage to several houses
Marion County	6	Afternoon			0	1	4	0	Wind High winds demolished a small house injuring occupant. Several houses and farm buildings damaged.
Evergreen, Conecuh County	6	Afternoon			0	0	4	0	Rain Heavy rains of more than 3 inches in 2 hours caused roof of bank to collapse, damaged streets, telephone lines and caused some local flooding
Ozark, Dale County	7	10:30a			0	1	2	0	Electrical Injured one person while using telephone in stockyard building when lightning struck nearby
Fratville, Autauga County	7	Afternoon			1	0	0	0	Electrical Killed while standing under tree struck by lightning
Birmingham, Jefferson County	14	6:00-8:00p.m.			1	0	4	0	Rain, wind Youth drowned when caught in flooded stream. Flash floods in downtown section of city. Wind uprooted trees, knocked down power and telephone lines. 75% of damage due to wind and 25% to rain
Birmingham, Jefferson County	24	Afternoon			1	0	3	0	Rain Small child caught in flooded stream and drowned. Flash floods in several sections of city.
Woodstock, Bibb County	24	1:30 p.m. short	100		0	0	3	0	Tornado Tornado came within estimated 30 feet of surface and broke out top of trees. One auto damaged.
ALASKA									
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San Manuel	10	6:00 p.			1	0	0	0	Lightning Little League baseball player killed by lightning on ball field.
Tucson	10	Afternoon			0	2	4	0	Wind Strong winds toppled house trailer injuring occupants. Wind also did structural damage to city reservoir.
Apache Junction	15	2:00 a.			0	0	4	0	Lightning Lightning struck and set fire to a market and welding shop. Both were total losses.
Tucson	16	5:00 p.			0	0	4	0	Rain Floodwater inundated several automobiles in an underpass and flooded the ground floor of an apartment building.
Cave Creek	16	6:00 p.			0	1	3	0	Wind Strong wind hurled metal table through window injuring woman.
Flagstaff (5 mi. N.)	17	1:50 p.			0	0	0	0	Funnel cloud Funnel cloud observed by off-duty meteorologist. Funnel remained aloft but rumbled and whistled like jet aircraft.
Flagstaff	18	Afternoon			0	1	3	0	Lightning Boy riding in bed of pickup truck struck by lightning but survived. Occupants inside cab of truck uninjured. Minor property damage caused by flooding.
Fort Grant	19	3:30 p.			1	0	0	0	Lightning A 16-year-old field worker was killed in a cotton field by lightning.
Yuma	28	11:55 p.			0	0	4	0	Wind Wind caused property damage to residences and motels.
ARKANSAS									
Sedgwick - Lawrence County	3	4:00 - 5:00 p.	1	200	0	0	4	0	Wind, rain and hail A spybeam elevator was demolished by high winds. Minor crop damage was reported.
Osoola - Mississippi County	3	3:00 - 6:00 p.	5-8	1200	0	0	5	0	Wind, rain and hail 30 to 40 homes were damaged, mostly to roofs with major portion of the damage to crops.
Little Rock - Pulaski County	3	9:00 p.							Funnel cloud The public reported a funnel cloud 4-5 miles northeast of the Little Rock Air Force Base. No damage was observed.
ARKANSAS (Cont'd)									
North Crosssett - Ashley County	6	4:00 p.			1	1	0	0	Lightning A woman carrying a child was killed by lightning. The child was unhurt. Another woman standing nearby was knocked unconscious and hospitalized but not seriously hurt.
Hawthicket Community - Faulkner County	11	Afternoon					4	0	Lightning Lightning struck in at least 3 places in Faulkner County. A house and all its contents was destroyed in Hawthicket, about 15 miles northeast of Conway.
Elaine - Phillips County	27	Afternoon			1	3			Lightning A 17-year old girl was killed instantly while chopping cotton. 3 companions were injured in the same accident.
Little Rock - Pulaski County	27	Afternoon							Funnel cloud A funnel cloud was reported 10 miles northeast of Little Rock with no damage.
CALIFORNIA									
Ogilly (near)	5	1:00 p.m.			0	0	2	0	Tornado Highway Patrol reports seeing two tornadoes in the vicinity; three power poles were felled by the storms.
Entire State	16-18				0	0	4	0	Thundershowers Widespread thundershowers damaged utility lines, homes, and farm buildings and set numerous grass and timber fires. Local flooding resulted from heavy showers.
Central and Northern California	24-25				0	0	5	0	Lightning Hundreds of fires were started and dozens of transformers burned out by lightning.
COLORADO									
East Central and Southeastern Colorado	2	Mid aftn. Evening			0	0	5	4	Hail & rain Hailstones up to baseball size, accompanied by heavy rain, damaged crops and property in a large area from Colorado Springs eastward to north of Lamar. Some flooding occurred in Colorado Springs. An area east of Pueblo from Avondale eastward had heavy crop and property damage from baseball sized hail. Hailstones up to 2" in diameter damaged roofs, broke out windows, dented cars and damaged crops in Elbert and in the Eastonville area.
Washington County	2	4:45PM			0	0	0	0	Funnel cloud A funnel cloud was reported, not touching ground, 3 to 4 miles east of Akron.
Adams & Denver Counties	2	6:20PM to 6:40PM			0	0	4	0	Hail & wind Hailstones "pea sized to 2" in diameter" hit an area in southwest Adams County and northeast Denver, damaging cars, windows & foliage. Hail accumulated to depths of a foot in places. Wind gusts of 48MPH were registered and hailstones 3/4 to 1 inch in diameter fell at Stapleton Airfield. The storm moved ESE.
Washington County	3	3:10PM			0	0	0	0	Funnel clouds Three funnel clouds were sighted 25 miles south of Akron.
Ptero County	4	1:57PM			0	0	0	0	Funnel cloud A funnel cloud, 15 miles SE of La Junta was reported by the Highway Patrol.
El Paso County	4	3:00PM			0	0			Hail Hailstones up to 2" in diameter were reported 13 miles NW of Colorado Springs.
Del Norte	7	Mid aftn.			1	0			Lightning Lightning struck & killed a man while he was working on an irrigation ditch in the vicinity of Del Norte.
San Luis Valley	8	1:30PM	16	3mi.	0	0		5	Hail Hail damaged potatoes, barley, wheat, alfalfa and row crops in 25 sections of farm land, 10 to 12 miles north of Monte Vista. Hail accumulated to a depth of 5 to 6 inches in some areas.
Montrose County	8				0	1			Lightning Lightning hit a trailer and injured a 16 year old boy, who had crawled underneath the trailer to get out of the rain.
Ouray	11				0	0	4		Heavy rain A heavy local shower caused flash flooding. Debris in drains caused water to overflow into the streets and around homes. Several basements were flooded and streets and bridges damaged.
Elbert County	14	7:00PM			0	0	4	0	Heavy rain A 3 inch rainfall in 40 minutes in an area in east central Elbert County put Bijou Creek in flood stage. A 5 foot wall of water coming down the creek inundated roads in the area and washed out telephone lines at Agate.
Arapahoe County	15	1:05PM			0	0			Tornado A State Patrolman reported sighting a tornado about 2 miles SW of Bennett (25 miles E of Denver). It struck in open ground, with no damage.

See reference notes at end of table.

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JULY 1965

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					KILLED	INJURED	PROPERTY	CROPS	
COLORADO (Cont'd.)									
Eagle County	18	9:00PM			0	0	*4	C	Heavy rain
									Heavy rain, accompanied by wind hit the Bond-McCoy-Statebridge area, washing out roads, flooding some homes and leaving a 6" deposit of silt & rocks on roads and in yards.
Montrose & San Miguel Counties	19	5:00PM 6:00PM			0	0	*4	C	Heavy rain
									A flash flood on Buttermilk Creek, caused by heavy rains in the area, damaged homes, bridges and crops in an area 2 miles wide and eight miles long in the Pea Green area in Montrose County. Over 2" of rain fell in the Placerville area in San Miguel County, flooding roads and homes and causing mud slides which closed roads in the area.
Weld County	19	9:00PM			0	0	*4	C	Rain & lightning
									Two to three inches of rain in an hour damaged homes and crops in the Johnstown area. Lightning in the Greeley area caused power failures and struck a house, starting a fire.
Jefferson County	19	8:10PM 9:30PM			0	0	*4	C	Hail & heavy rain
									Hail, rain and lightning hit areas west of Denver. At 8:10PM, hailstones up to 1 1/2" in diameter accumulated to 2 inch depths at Evergreen. At 9:30PM, a cloudburst left 2.95" of rain in 2 hours in the Evergreen area and water coming off the adjacent mountains, caused some flooding in the business section. Lightning caused power failures in some localities.
Jefferson & Denver Counties	20	Evening			0	0	*4	C	Rain & lightning
									Heavy rain west of Denver damaged roads & bridges. Two bridges at Golden were washed out. Lightning in the Denver area, caused power failures and fires, mostly in the NE section. Lightning damaged a house in Littleton and caused power failure in Idaho Springs. Streets were flooded in several areas of Denver.
Northeast Colorado	20	Night			0	0	*5	C	Rain & hail
									Heavy rain & hail in scattered areas of NE Colorado damaged property and crops. Hail NE of Mead damaged nearly ripe barley and wheat. Hail, accompanied by wind, damaged 1,217 acres of sugar beets in the Fort Morgan area. Hail and rain destroyed crops and damaged homes around Brighton. Heavy rain in Logan County flooded roads.
Denver	21	7:25PM			0	0			Funnel cloud
									A funnel cloud was sighted in the northern portion of Denver.
Adams County	21	8:19PM			0	0			Funnel clouds
									Four or five funnel clouds were sighted about 15 miles north of Stapleton International Airport. They were about 2,000 feet above the ground.
Denver & areas west & north	21	Afternoon Evening			0	0	*4	C	Rain & hail
									Heavy rain, accompanied by hail at Central City, washed away part of a city street and caused other flooding. There were scattered areas of heavy showers and some damage by lightning in Denver, Boulder, Longmont, Berthoud & Loveland areas. Marble to golfball size hail was reported at 8:00PM 10 miles northwest of Denver.
Denver area	22	Afternoon Evening			1	0	*4	C	Lightning, rain & hail
									Lightning struck and killed a young man, who was standing by an automobile at the edge of Stapleton International Airport. Scattered heavy showers, accompanied by hail and wind, fell in the Metropolitan Denver area and extended westward into the mountains to the Empire, Berthoud Pass and Georgetown areas. Commerce City had heavy rain resulting in some street damage.
Clear Creek County	23	Afternoon			0	0	5		Heavy rain
									Heavy rain fell on the Continental Divide and scattered areas to the east. At Georgetown, Leavenworth Creek flooded homes in the eastern part of town. The Georgetown sewer system was damaged and the water supply contaminated. Estimated damages were \$60,000 to public facilities and \$10,000 to \$15,000 to private property. A mudslide west of Georgetown hindered traffic on U. S. #6. Heavy rain above Breckenridge caused the Blue River to overflow, damaging roads, bridges and buildings and washing out the highway 6 miles north of Hoosier Pass.
Northeast	23	Afternoon & Evening			0	0	4		Rain & lightning
									Heavy rains fell over wide areas of northeastern Colorado. Several areas in and near Greeley were flooded and the highway between Nunn and Pierce was closed. Nearly 2 1/2" of rain in the Limon area flooded roads. Bijou, Big Sandy, and Clear Creek were running high. Sand Creek took out some earthen bridges in Aurora. Streets were flooded in Denver. Several highways were washed out east and southeast of Denver.
Custer County	24	1:50PM			0	0			Tornado
									A tornado touched down 3 to 5 miles south of Westcliffe. No damage was reported.
La Plata County	24	5:30PM			0	0	*4	C	Hail
									Golfball sized hail broke windows and damaged fruit trees, gardens and grain crops in the Ignacio area.
Eastern slopes of mountains from Colo. Spr. to north of Denver, and northeastern plains	24	Afternoon & Evening			4	few	*6	C	Heavy rain
									Heavy rain, accompanied by hail and high wind again fell on mountain areas east of the Continental Divide. Colorado Springs was hit hard by heavy rain. Flooding did \$300,000 damage to the Cheyenne Mountain Zoo and \$150,000 damage to roads in the area. Three small children were swept away by high water, when being removed from a flood-stalled car. A young man was presumed dead, as his car was found in deep water. Heavy rain northward from Colorado Springs took out temporary earthen bridges, constructed following
COLORADO (Cont'd.)									
Denver Metropolitan area	25	Evening			0	0	*4	C	Funnel cloud & heavy rain
									Heavy rain accompanied by hail and high wind, starting 40 miles SW of Denver, passed over the city toward the northeast, causing damage by flooding. One inch hail in a cloudburst was reported 9 miles SW of Denver. Wind with gusts to 70MPH were recorded at Stapleton Airfield. A funnel cloud was sighted 25 miles NW of Denver at 6:55PM. Flooding was general in low areas, closing streets and roads. There were unofficial reports of 2.30" of rain in 40 minutes at one location and 3.30" in 30 to 40 minutes at another location in Aurora, & 1.99" in 30 minutes were recorded at Stapleton Airfield.
Bent County	27	10:04AM			0	0			Funnel cloud
									A pilot reported a funnel cloud 20 miles NE of La Junta. It apparently did not touch ground.
Morgan County	27	1:00PM			0	0			Funnel cloud
									A funnel cloud was sighted NE of Brush (23 miles NW of Akron). Two long funnels joined to make one long tail.
Douglas County	27	4:00PM			0	0			Tornado
									A tornado was sighted 21 miles south of Denver. No damage reported.
Huerfano & Teller Counties	27	Afternoon			0	0	3	0	Heavy rain
									A cloudburst in Old House canyon near Walsenburg washed out a highway bridge. Mudslides in the Cripple Creek area closed roads.
Larimer County	27	10:00PM			0	0	*4	C	Heavy rain
									A flash flood on Box Elder and Rawhide Creeks caused flooding in the Wellington and Buckeye areas.
Westcliffe	28	7:00PM			0	0			Funnel cloud
									A funnel cloud was sighted a short distance north of Westcliffe.
Fremont County	28	Night			0	0	*4	C	Heavy rain
									Heavy rain in the Canon City area caused mudslides which damaged railroad tracks, roads and private property.
Pueblo & Huerfano Counties	30	Night & 31 all day			0	0	3	0	Heavy rain
									Heavy rain in the Walsenburg, Rye, Boush and Pueblo areas, caused flooding and washed out bridges and roads. The observing station at Rye reported 4.42" and estimates in the Boush area were 2 1/2" to 4".
CONNECTICUT									
Cheshire, Wallingford, New Haven Co.; Middlefield, Middlesex, County	3	PM			0	0	0	5	Hail
									Hail severely damaged apple crop.
DELAWARE									
DeWey Beach	18	Afternoon				1			Lightning
									Man was killed by lightning and his 11-year old daughter stunned but unharmed as the two sat on a log under plastic raincoats.
FLORIDA									
Panama City Bay Co.	2	7:55 am							Funnel Cloud
Apalachicola Franklin Co.	2	7:45 am							Waterspout
Lake Wales Polk Co.	3	Afternoon			0	2			Lightning
Tampa Hillsborough Co.	4	1:00 pm			1	0			Lightning
									Lightning struck man on golf course
St. Cloud Osceola Co.	5	Evening			1	0			Lightning
									Lightning struck man digging drainage ditch
Fort Myers Lee Co.	7	Unknown							Funnel Cloud
Orlando Orange Co.	10	Afternoon							Funnel Clouds (2)
West Palm Beach Palm Beach Co.	11	Afternoon							Funnel Clouds (2)
Fort Myers Beach Lee Co.	12	Unknown							Waterspout
Valparaiso Okaloosa Co.	12	6:00 am							Waterspout
West Palm Beach Palm Beach Co.	12	9:00 am							Funnel Clouds (4)

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FLORIDA (Cont'd.) Panama City Bay Co.	12	10:30 & 11:30 am							Funnel Clouds (2)
Miami Dade Co.	12	1:45 pm							Funnel Clouds (2)
Valparaiso Colusa Co.	12	4:00 pm							Waterspout
Boca Raton Palm Beach Co.	13	11:20 am							Funnel Cloud
Pompano Beach Broward Co.	13	12:45 pm							Funnel Cloud
Sanford Seminole Co.	14	After-noon			0	4			Lightning
									Lightning injured 4 persons at refuge under parked aircraft.
Hallandale Dade Co.	14	After-noon			0	1			Lightning
									Lightning injured crane operator during thunderstorm
Sebastian Indian River Co.	15	4:32 pm							Funnel Cloud
Miami Dade Co.	16	4:35 pm							Funnel Cloud
Sarasota Sarasota Co.	17	12:10 pm							Waterspout
Miami Dade Co.	17	2:36 pm							Funnel Clouds (2)
West Palm Beach Palm Beach Co.	17	After-noon			1	2			Lightning
									Lightning struck a group of beach visitors seeking shelter
West Palm Beach Palm Beach Co.	18	10:04 am							Funnel Cloud
Opa Locka Dade Co.	18	5:41 pm							Funnel Cloud
Fort Lauderdale Broward Co.	18	5:10 pm							Funnel Cloud
Lake Wales Polk Co.	19	After-noon			0	1			Lightning
									Lightning struck tree near tent in which Boy Scout took refuge.
Fort Lauderdale Broward Co.	19	5:48 pm							Funnel Cloud
Miami Dade Co.	19	7:20 pm							Funnel Cloud
Ocala Marion Co.	20	Noon			0	1			Lightning
									Lightning injured State Road Dept. employee as he was eating lunch under tree along roadside.
St. Petersburg Pinellas Co.	20	5:15 pm							Waterspout
Fort Myers Lee Co.	21	10:00 am							Waterspouts (2)
Homestead Dade Co.	21	2:20 pm							Funnel Cloud
Fort Pierce St. Lucie Co.	22	After-noon			1	0			Lightning
									Lightning struck and killed horseback rider.
Fort Myers Lee Co.	23	After-noon							Funnel Cloud
Tampa Hillsborough Co.	24	After-noon			0	1			Lightning
									Lightning struck child playing in yard during thunderstorm
Key West Monroe Co.	25	12:15 pm							Funnel Cloud
Dunedin Pinellas Co.	25	Noon			2	2			Lightning
									Lightning struck group of persons in church parking lot as they were leaving church services.
Dunedin Pinellas Co.	25	1:00 pm			0	1			Lightning
									Lightning injured Boy Scout on boat ramp.
Fort Lauderdale Broward Co.	26	Morning			0	1			Lightning
									Workman injured as he was standing on flatbed truck.
Pensacola Escambia Co.	29	2:04 pm							Funnel Cloud
Miami Dade Co.	31	5:53 pm							Funnel Cloud
Fort Lauderdale Broward Co.	31	5:57 pm							Funnel Cloud
West Palm Beach Palm Beach Co.	31	5:55 pm							Waterspout

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GEORGIA Southwest	4	pm			0	0	4	3	Wind and Electrical
									Heavy thunderstorms hit several southwest Georgia areas with resulting wind and lightning damage. A trailer was destroyed and two houses were damaged by lightning at Bainbridge. Wind damage was reported in Clay and Randolph Counties.
Hart County	7	12:30 p			1	0	0	0	Lightning
									A Hart County man was killed by lightning.
Chatham County	23	7:10 p			0	0	3	0	Wind
									Wind gusts to 65 mph damaged several houses, trees and other property at Bloomingdale, seven miles west of Savannah.
HAWAII IDAHO South-central and Eastern Counties	1	Afternoon						5	Hail, wind, rain
									In Oneida County an area 6 by 25 miles was affected by hail and wind. Area from just north of Malad into Devils Creek and Deep Creek drainages hardest hit. Corn cut up and grain badly beaten. Another storm with hailstones "size of moth balls", 11 mi. NE of Jerome with only slight damage to beans, peas and grain. Near Island Park, in Fremont County, wind caused pickup and trailer to overturn, demolishing trailer, but two occupants of pickup escaped unhurt.
Spirit Lake, Kootenai County	4	Noon							Hail
									Hailstones as large as marbles covered ground during 15-minute storm in vicinity of Spirit Lake.
Soda Springs (near)	7	Afternoon				1			Wind
									Four-year old girl killed when wind dislodged several laminated beams from unfinished roof of a grain elevator 8 miles north of Soda Springs.
Most of State	8	Afternoon & Evening						5	Hail, rain
									(1) Hailstorm between 3 and 4 p. covered 3 x 5 mile area vicinity of Montevieu (Jefferson County), flattening hay, destroying 70% of wheat and 80% of barley. Leaves stripped from 175 acres of sugar beets and peas 2/3 destroyed. Some hailstones 1 inch in diameter. (2) Heavy rain and hail at Buhl during afternoon with little crop damage in surrounding farm area. (3) Hailstorm in Whitebird area during evening completely destroyed one grain crop, badly damaged sprout crop, gardens and pastures. Some hailstones "as large as golf balls". (4) Crops, gardens, orchards in Parma-Roswell area whipped severely by hail, heavy rain and wind which began about 7:30 p. Hailstones up to 1-1/8 inches.
Cassia County	19	Afternoon			1		4		Hail, lightning, wind
									Extensive crop damage in areas 17 mi. S.W. and 6 mi. south of Burley, some flooding of roads. Grain, beets and potatoes all suffered damage. During same storm period a light plane was hit by lightning near Malta, causing a crash in which both pilot and plane were destroyed.
Montevieu (Jefferson County)	19	Forenoon				1			Lightning
									Man working with sprinkler irrigation system on ranch 7 1/2 mi. N.W. of Montevieu found dead with severe burns on hands and feet.
Bingham and Bannock Counties	19	7:00 p.				3			Wind, rain
									Bus was blown off Interstate 15 near Blackfoot. Three passengers treated at hospital for minor injuries. Traffic on U.S. 30 south of Inkom halted for 1 1/2 hours by mud and debris.
Scattered points in State	26						4		Wind, lightning
									(1) At Joslin Field, Twin Falls, about 3:30 a., wind gusts up to 75 mph damaged two planes when one jumped its wheel chocks and crashed into the other. (2) Lightning started fire which burned 100 bales of straw at Payette during evening. (3) Barn about 9 mi. N.W. of Grangeville hit by lightning about 11:45 p.; barn and hay destroyed.
Lincoln and Minidoka Counties	27	Afternoon					4		Wind
									Brief windstorm in Shoshone about 3:00 p. did minor damage to roofs and trees. Later a sudden windstorm hit area just west of Rupert causing extensive damage to buildings on three farms.
ILLINOIS Bond County	14	7:55A							Funnel cloud
									Funnel cloud observed by pilot 30 NE ELV
Jo Daviess County	17	1:25A					?	?	Hail
									Hail 3/4" diameter 15 miles east Dubuque, Iowa.
Vermillion County	17	4:54A							Funnel cloud
									Funnel cloud 4 to 5 miles north of Danville moving ESE. Base estimated 12 hundred feet above ground.
Cook County	17	5:07A					?	?	Hail
									Hail 1 1/4" diameter at Lansing (BO SSE MDW)

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INDIANA											
Zanesville, 2 miles S	2	5:06 p.			0	0	0	0		Funnel cloud	
Funnel cloud traveled toward the East.											
Syracuse, near	16	5:45 p.			0	0	0	0		Funnel cloud	
Goshen, near	16	6:10 p.	?	?	0	0	2	2		Hail	
Baseball-size hail was reported.											
Tri Lakes to Collins, Whitley County	16	7:08 to 7:22 p.	5	?	0	0	4	3		Tornado, hail	
A small tornado skirted the tops of trees in the Tri Lakes area where damage was caused by falling trees. Probably the same tornado a few minutes later touched ground at Collins, 5 miles southeastward. Damage to several garages and a house was tornadic in appearance. Hail of pea-size fell from southeast of Collins to U. S. Road 30 into Allen County. The area was about 2 miles wide and 10 miles long. Heaviest damage was in a 1 mile strip. Smaller hail was reported in the northeast half of Whitley County.											
Mentone, Kosciusko County	16	7:15 to 7:30 p.	?	?	0	0	4	0		Wind	
Roofs of several buildings were damaged. This storm with wind, rain and hail traveled southeastward.											
IOWA											
3SW Woodward	1	7:30 p.								Funnel aloft	
Nevada-Colo	4	3:00 p.					2	4		Tornado	
Hail accompanied funnel.											
Pilot Mount-Boxholm to S of Ogden	4	5:30-6:00 p.						4		Hailstorm	
Insurance company estimated \$20,000 damage. Hail to golf ball size.											
McCallsburg to Garden City	4	6:00 p.	5					4		Hailstorm	
Near Jewell	4	6:05 p.								Funnel aloft	
S of Grinnell	4	Evening						3		Windstorm	
Barn severely damaged and trees uprooted.											
Ames	6	2:00 p.								Funnels aloft	
Three funnels sighted within Story County, moving east.											
2N Nora Springs	6	7:00 p.						?		Hailstorm	
SE of Diagonal	6	Evening						?		Hailstorm	
SE of Mt. Ayr	6	Evening						?		Hailstorm	
Hamburg	8	Dusk						3	2	Windstorm	
Also heavy rain and some hail damage.											
SW of Tabor	8	9:30 p.						3		Tornado	
Considerable damage to one farm.											
Renwick	8	Evening						3	2	Windstorm	
Grove of 100 trees lost, also heavy hail farm home damaged.											
Mitchell area	8	Evening						3		Heavy rain	
Dam under repair on Cedar River sustained heavy damage to gates, spillway and flashboard.											
Near Tingley and Ellston	13	5:45 p.								Funnel aloft	
Pt. Madison	13	6:23-8:50 p.						?		Thunderstorm	
Severe lightning, heavy rain caused minor flooding.											
6S Hawarden	15	9:45 p.							3	Hailstorm	
Large range in hailstone size.											
SE of Sibley	15	10:00 p.						2	4	Hailstorm	
Up to 1" diameter, 2 inches deep in places, at least 17 sections damaged, some roof damage.											
12WNW Spencer	15	10:05 p.							?	Hailstorm	
Golf ball size hail.											
2S Webster City	16	12:10 a.								Funnel aloft	
Pisgah	16	5:00 p.							3	Hailstorm	
1 1/4" diameter.											
Waterloo	16	10:30 p.							4	Lightning	
Burned Waterloo Hroom Factory and pick-up truck, \$11,000 damage.											
Norwalk	16	11:24 p.							3	2	Hailstorm
Golf ball size hail to fist size ice chunks.											
S of Independence Lamont & Winthrop	16-17	Late p. - Early a.							2	3	Wind and Hailstorm
Fairfield	17	12:30 a.							3	4	Wind and Hailstorm
Heaviest hail near Packwood, plane flipped over at Fairfield and severely damaged.											
1/2 S of Oakville	17	1:30 a.							1	4	Lightning
Home and barn burned to ground.											
INDIANA (Cont'd.)											
N of Spillville	18	3:00 p.							2	Hailstorm	
Small area hit (25' X 20') but still drifted 2 ft. deep.											
La Porte City	18	4:15 p.							2	Tornado	
Several funnels sighted, touched down briefly causing tree damage at Country Club.											
Silver Lake	30	4:00 p.							4	Lightning	
Luthern Church struck, damaged wiring, steeple, siding and inner walls.											
Cedar Rapids	31	2:45 - 3:00 p.							3	Wind and Hailstorm	
Heavy rain caused some minor flooding.											
KANSAS											
Brown County	1	About 4:00 a.			0	0		4	0	Lightning	
Damage occurred to homes at Willis and Hiawatha.											
Butler County	3	5:00 - 6:00 p.	10	*1	0	0		4	4	Hail, wind	
Hail and wind caused damage from 8 miles south-southeast of Leon to 2 miles northwest of Leon. The largest hail stones were 2" in diameter.											
Rawlins, Cheyenne Counties	3	Evening	?	?	0	0		4	5	Hail	
Hail up to 2 inches in diameter damaged crops and property about 8 miles north of McDonald. Part of northern Cheyenne County also suffered damage.											
Smith County	3	8:55 p.								Funnels aloft	
Two funnels observed about 10 miles north-northwest of Smith Center.											
Sherman County	3	10:00 p.	?	?	0	0		0	0	Tornado	
Tornado observed 10 miles east-southeast of Goodland.											
Wallace County	3	10:05 - 10:20 p.	?	?	0	0		0	0	Tornado	
A tornado touched down briefly 4 miles southeast of Sharon Springs.											
Pawnee County	5	Afternoon			0	1		0	0	Lightning	
Gove County	5	5:00 p.	?	?	0	0		0	5	Hail, rain, wind	
Hail stones up to more than 1" in diameter severely damaged crops. Rain and wind also did some damage.											
Rice, Barton, Ellis, Trego, Ellsworth Counties	5-6	Night	?	?	0	0		5	4	Rain, wind	
Heavy rains resulted in flash flooding near Ellsworth and in Hays and Ellis. Strong winds hit at Cedar Bluff Dam, Lyons and Great Bend.											
Butler, Elk Counties	6	Early morning	?	?	0	0		4	0	Rain, Wind, Lightning	
Lightning caused damage at Grenola and near Augusta and Whitewater. Some surface flooding occurred at Augusta and El Dorado.											
Franklin County	6									Funnels aloft	
A funnel aloft was observed 10 miles west and 1 mile south of Ottawa at 2:38 p.; another was seen 6 miles east of Ottawa at 2:54 p.											
Sumner County	6	6:00 p. - 7:00 p.	15	*7	0	0		*4	C	Hail, wind	
The storm area extended from Wellington to Dalton southward to South Haven.											
Thomas County	7	About 9:00 p.	1/2	50	0	2		4	0	Wind	
Strong wind demolished a trailer house 1/2 mile west of Colby, injuring 2 people.											
Johnson County	9	About 3:00 a.	?	?	0	0		5	0	Tornado	
A tornado hit the southwestern portion of Olathe, inflicting heavy damage to an apartment complex and other structures.											
Johnson County	9	3:00 - 4:00 a.	?	?	0	0		*5	C	Wind, rain, hail	
A severe thunderstorm cell moved across Johnson County, causing extensive damage. Heaviest damage occurred at Olathe, Edgerton, Stanley, and Gardner.											

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1965

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	
KANSAS (Cont'd.)									
Johnson County	13	6:30 p. - 7:00 p.							Funnel aloft
									Funnel cloud observed about 15-20 miles southwest of the Kansas City, Missouri, Municipal Airport.
Johnson, Wyandotte, Leavenworth Counties	17	About 3:00 a.	?	?	0	0	5	0	Wind
									Heavy damage to power and communications lines occurred. Wind gusts to 75 m.p.h. hit at Fort Leavenworth. Five small airplanes were damaged at Olathe.
Decatur County	18	About 7:00 p.	?	?	0	0	3	0	Tornado
									A tornado, moving northeastward, hit in the southeastern portion of Oberlin.
Extreme northeastern Kansas	17-20		?	?	0	0	0	5	Rain
									Heavy rains over a period of several days caused inundation of numerous fields, resulting in severe crop damage in some areas.
Graham County	26	3:50 p.							Funnel aloft
									A funnel cloud was observed northwest of Hill City.
Kiowa County	26	8:15 - 8:20 p.	Less than one mile		0	0	0	0	Tornado
									Tornado observed 3/4 mile east of Antonio.
Cloud, Clay, Riley, Geary Counties	26-27	Night	?	?	0	0	4	0	Lightning, wind
									Severe wind caused considerable damage at Junction City shortly after midnight. Lightning caused scattered damage in other counties listed.
Sherman County	27	3:30 - 3:38 p.	?	?	0	0	0	0	Tornado
									A tornado, moving south-southwestward at 10 m.p.h. touched down several times 15-20 miles northwest of the Goodland Airport.
KENTUCKY									
McCracken County	2								Funnel cloud
									Pilot reported funnel cloud moving in an east-by-southeast direction 15 miles southwest of Paducah.
Fayette County	2	4:22 p.							Funnel cloud
									Public reported funnel cloud not touching ground on the south edge of Lexington.
State	2				4	?			Lightning, hail, wind, rain
									Scattered thunderstorms over State. Extensive hail damage in Marshall County. Fires apparently set by lightning destroyed barns in Union, Mulenberg, and Edmonson counties. Wind damage in Jefferson and Fayette counties and lightning damage in Fayette county. Some local flooding of streets due to heavy rains, chiefly in western third of State; 24-hour totals 1 to 3 inches some locations in west and 1 to 2 inches central.
Union County	7	a.			4	?			Lightning, rain
									Fire apparently set by lightning destroyed two homes. Rain reported unofficially to total from 2 to 4 inches flooded portions of some roads, some farmroads to depths of 2 feet, causing considerable erosion damage.
Warren County	7	1:15 p.			1				Lightning
									A man was killed by lightning during a storm near Bowling Green.
Laurel County	7	11:45 a.			1	1			Lightning
									Near London a 10-year-old boy was killed by lightning and his 9-year-old cousin suffered an arm injury.
Kemton County	9	1:30 p.				2			Tornado
									About 9 miles east-southeast of the Greater Cincinnati Airport a witness saw a small funnel dip down and pick up a small shed and lift it about 40 feet into the air. Several windows were broken in a nearby residence. Direction of movement of the funnel was from the west to the east.
Clark County	10	aftn			4	?			Heavy rain
									A 3-hour rain, reported unofficially as about 5 inches confined to the immediate area of Winchester flooded streets, parts of highways, basements, and business establishments. A barn and an acre of tobacco south of Winchester were destroyed by rain.
West	9-10				?	?			Heavy rain
									Heavy rains fell on a number of locations in the western half of Kentucky, some of the greater 24-hour totals ranging from 2 to more than 6 inches. There was some local flooding and erosion. In Henderson county high water was reported to have damaged 750 acres of corn.
KENTUCKY (Cont'd.)									
West	17	p.					5	C	Hail, wind, lightning
									Wind and hail damage at a number of locations in the western half of the State. Damage to buildings by wind and hail and wind damage to tobacco in Webster county. Heavy hail damage to tobacco and corn in Bullitt county. 3-room frame home destroyed by lightning in Muhlenberg county. 3/4-inch hail reported in Warren county. Wind damage to buildings and trees in Logan, Simpson and Adair counties.
East	23-24						6	6	Heavy rains, flash floods
									Heavy rain from thunderstorms fell on a number of areas in the eastern third of Kentucky, the heaviest totals being measured east of a north-south line through the counties of Bracken, Madison and Whitley. A number of gages measured 24-hour totals ranging up to 8 1/2 inches. At one or more locations these excessive amounts were among the greatest of record for any month for a 24-hour period, and also for shorter periods ranging from a 12-hour period down to a 1-hour period. At Middlesboro, more than half of the 24-hour total of 8.44 inches fell in a 2-hour period from midnight to 2 a.m. on the 24th. Some of the damage resulting from the heavy rains and the following flash floods is described below.
									Bell County Area. The heavy rains caused severe flash flooding in the Middlesboro and Arjay sections of Bell County; also in the communities of Ferndale, Premier Hollow, and Clear Creek. Walls of water were said to rush down the mountain valleys. Small brooks only a few feet wide suddenly became raging torrents several hundred yards wide. No deaths were reported in Kentucky (There was loss of life and considerable damage in an adjacent area in Tennessee). Losses resulted from heavy erosion of roads and gardens; bridges and homes were washed away or flooded.
									Pike County Area. Locally heavy rain over a small area in Pike County caused flash flooding on a few small streams. No loss of life was reported. It was reported that there was considerable damage to bridges, roads, and some homes.
									Lewis County Area. It was reported that the Lewis County Disaster Committee officially declared 46% of the county's tobacco crop destroyed by the heavy rains, 93% of the 2,069 acres of tobacco. There was also considerable damage to land and stream banks, and to corn and hay crops, due to the heavy rains and the following flash floods.
									Powell County Area. The heavy rains and following flash flooding were reported to have washed out many bridges on rural roads, isolating families and blocking rural mail routes; causing considerable damage to corn and tobacco crops in low-lying parts of the county.
									Fleming County Area. Flash floods struck the southern portion of the county. It was reported that about 100 homes were damaged, and that flooding damaged about 20,000 acres of land including 100 acres in tobacco.
North Central	24	p.					3	?	Lightning, rain, wind
									Fire apparently set by lightning destroyed a barn in Owen County. Wind and rain damaged corn and tobacco in Bullitt County.
LOUISIANA									
St. Tammany Parish	3	About 3:00 p.			1	0	0	0	Lightning
									Bedico: Lightning hit pine tree, woman's body found nearby, apparently struck by lightning; her clothing was scorched and torn down one entire side of body, had severe burns on head.
Ascension Parish	4	Daytime			0	0	?	0	Wind
									Prattville: House trailer rolled over by wind.
Livingston Parish	8	6:25 p.			1	2	0	0	Lightning
									Near stand of pine trees, Thunderbird Beach (near Denham Springs), lightning struck and killed woman; brother and his wife injured.
Ouachita Parish	10	11:25 p. - 11:35 p.	3	3	0	0	5	0	Tornado
									Monroe: Thunderstorm moved from SE toward NW; power supply Selman Field out, emergency power used. Although funnel cloud not sighted, one person reported lightning on ground going in all directions. Upset and damaged aircraft seen by tower personnel during lightning flash. Along damaged area path, some buildings destroyed or damaged; others spared. Seventeen light planes had major damage; adjacent area reported few trees downed.
Avoyelles Parish	11	About 5:00 p.	?	?	0	0	?	0	Tornado
									Tornado reported sighted in parish. Five utility poles knocked down across Bunkie-Hessmer highway. Mansura residents said afternoon rain one of heaviest in past 10 years.
Lincoln Parish	11	5:00 p.	?	?	0	1	4	0	Tornado
									Simsboro: Tornado moved from NW to SE. School auditorium roof blown off, power lines down, roofs lifted from houses, one car blown to neighbor's yard, trees uprooted. Parish sheriff reported one girl received scratches.
Jefferson Davis Parish	12	3:50 p.	?	?	0	0	?	0	Tornado
									Tornado reported moving NW at 10 SSE Kinder (latitude 30.3° N, longitude 92.8° W).

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1965

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					KILLED	INJURED	PROPERTY	CROPS	
LOUISIANA (Cont'd.) Calcasieu Parish	14	12:00 n.-1:00 p.			0	0	0	0	Hail
		During thunderstorm, Lake Charles, from uptown S to city limits, ground partly covered with hail over area estimated 4 sq. mi. Average diameter 1/4 in., some reported to 1 in., golf ball size hail reported 12:25 p. at latitude 30.1° N, longitude 93.2° W. Newspaper account of 1-2 in. diameter hail reported on Clover Drive in Sunset Acres.							
Avoyelles Parish	16	5:17 p.			0	0	0	0	Hail
		Bunkie: During thunderstorm, hail partly covered ground, average diameter 1 in., some up to medium hen egg size. The large size hailstones were about one foot apart.							
Terrebonne Parish	17	About 6:00 a.			1	0	0	0	Lightning
		On Bayou Copperrow, 15 S Home, lightning killed 54-year old man in small boat; boat partially sank.							
East Carroll Parish	19	Daytime			1	1	0	0	Lightning
		Lightning killed girl and injured boy in bean patch near Lake Providence.							
Ouachita Parish	20	3:45 p.	200	40-50	0	0	3	0	Tornado
		Monroe: Sun was shining over Bernstein Park area, then large severe thunderstorm moved from NW towards SE, sudden wind shift accompanied by heavy cloud formation, and strong wind and lightning activity followed by heavy rain. Small funnel reported by unknown person as hitting ground just S of Monroe, then went back in cloud. At Legion Stadium, worker heard sound, looked about 100 yds. away, saw hear 40 ft. tin fence gone and several 6-in. I beams twisted into odd shapes, some bent almost double; ground around fence dug up where wind tossed tin pieces, some strewn up to 50-60 yds. Nothing else at field was hit. Field caretaker reported "I heard a loud roar. It came over the clubhouse and then down into the field. I didn't see the funnel, but I heard it". In that area, signs were toppled over, and back glass of an automobile reported shattered. Police reported numerous trees blown down and some house damage.							
Lake Pontchartrain New Orleans	28	Late Afternoon			1	0	0	0	Lightning
		Lightning bolt knocked hole in cement seawall and caused a burn a few yards away. Bolt knocked boy, who was sitting on seawall, into the water; he could not be revived.							
Calcasieu Parish	29	Evening			0	0	0	0	Funnel cloud aloft
		Sulphur: Group watched black clouds gradually form a ragged, arching line down toward the ground; it was too far away to tell if it touched down.							
MAINE					None reported				
MARYLAND District of Columbia, Montgomery and Prince Georges Counties	3	Afternoon			0	?	5	C	Wind, hail, heavy rain
		Severe thunderstorm, considered worst in recent years, battered metropolitan area, uprooting trees, downing power lines, flash flooding streets, unroofing dwellings and pelting scattered areas with hail up to the size of golf balls. Fortunately, no serious injury was reported although a number of people required medical treatment for cuts and bruises when falling trees trapped them in their cars. At least six cars and a bus were crushed by falling trees. Washington National Airport reported a peak gust of 54 knots. There were reports of heavy rain up to 2 inches in 20 minutes. Clarksville, Montgomery County, reported considerable damage to crops, trees and buildings by winds estimated at 90mph and hail up to 1-3/4 inches in size.							
Chesapeake Bay, near Hawks Cove on Miller's Island	5	2:20pm			1	1	?	0	Wind
		Strong gusty winds lifted 2 boats out of the water and overturned them. Trapped in the cabin, one man drowned; another suffered cuts from broken windshield.							
Washington, D.C. Metropolitan area, including Prince Georges, Montgomery and Anne Arundel Counties	18	Evening			0	1	5	?	Wind, hail, Lightning
		Severe thunderstorms, accompanied by hail in size up to 3/4 inch, knocked down trees and power lines, damaged homes and cars and flooded streets in Washington metropolitan area. One girl was struck by lightning and suffered minor burns. District Highway Department counted 89 trees uprooted. Wind gusts up to 61 knots were clocked at National Airport. About a dozen buildings were reported struck by lightning in Prince Georges County. Also, at Crownsville lightning struck a barn and set off a fire that destroyed the barn, a 32-foot elevator and all contents.							
Ewell	25	5:30pm			0	0	4	0	Lightning
		Home, containing many antiques, was struck by lightning and almost completely destroyed by fire.							
MASSACHUSETTS Haverhill	17	Afternoon			0	0	4	0	Wind, rain
		Wind felled a number of trees and many large limbs which took utility wires down with them. Loss of power and phone services affected many parts of the city. At least 8 streets were flooded and some washouts and cave-ins occurred.							
Holyoke	17-18				0	0	4	0	Rain
		Heavy rains over the week-end caused washouts, flooded streets and cellars, clogged catch-basins, and rocks and mud in city streets. The downpour damaged the construction area of Route 91 and large sections of mud and rock overran the Homestead Ave., Cherry, Queen, Coit and Hampden Street areas.							
MICHIGAN Southern Lower Peninsula	2	5:00 p. 8:00 p.					4		Electrical
		Lightning induced fires damaged several homes, buildings, and contents. Power and phone service disrupted to hundreds of homes and buildings due to the lightning.							
Marquette County	4	2:00 p. 6:00 p.					4		Electrical
		Power service was disrupted to numerous homes due to the lightning strikes. Several buildings and contents were damaged by lightning induced fires.							
All Lower Michigan	13	3:00 p. 9:00 p.			1	5	C		Thunderstorms with high winds, heavy rains, hail and lightning
		Woman injured when high winds toppled a tree on her moving car at South Haven. Power service was disrupted to hundreds of homes due to the storms. High winds felled numerous trees with resultant damage to buildings, homes and cars. TV antennas were blown down by high winds. At Grand Rapids, high winds capsized and totally wrecked a parked small airplane. Damage estimated at 5 thousand dollars. Damage reported to homes and contents due to lightning induced fires. One and two inch size hail reported in Grand Rapids area and Kent County. Crops damaged by hail in Kent County. Heavy rains flooded streets, roads, and basements of homes and buildings with considerable damage reported.							
Oakland County	16	6:00 p. 9:00 p.					4		Heavy rains
		Heavy rains up to 2 inches flooded streets, roads, lawns, and basements. Catch basins were plugged. Heavy damage reported throughout the area. City of Pontiac received the most damage in the area.							
Southern Lower Peninsula	17	2:00 p., 5:00 p.			1		5	C	Thunderstorms with heavy rains, high winds, hail, and lightning
		School boy killed when struck by lightning while delivering papers in Detroit. High winds felled numerous trees with resultant damage to buildings, homes, and cars. Hail ranging from pea size, to 1 inch to 2 inch egg size damaged wheat and corn crops in Ottawa, Kent, and Newaygo Counties. Heavy rains flooded streets, roads, and basements with considerable damage reported.							
Hilledale and Monroe Counties	24	2:00 p. 4:30 p.					4		High winds and heavy rains
		Trees felled by high winds caused damage to buildings and homes. House trailers capsized and damaged due to high winds at Monroe. TV antennas blown down due to high winds. Heavy rains caused some flood damage to basements and roads.							
Frontier in Hilledale County	24	3:00 p.							Funnels aloft
		Two funnels aloft were observed over church steeple in the village of Frontier.							
MINNESOTA Most of state	1	Evening			0	0	5	5	Tornado, wind, hail, and rain
		Line of thunderstorms moved over the state with hail and wind damage in many areas. In Pine City, Pine County, a 15 minute storm piled 1 inch hail stones in mounds 1/2 foot high. With it temperature dropped 26° in 4 hour. Up to 80% hail crop damage received in portions Pipestone County. Severe crop hail damage also in Stearns County. High winds caused \$60,000 damage to Trailer Court in Hugb. Washington County. Tornado touched down briefly near Monticello, Wright County, damaging farm buildings and equipment. Hail 1 1/2 to 1 3/4 in diameter, Osane Lake, St. Louis County.							

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
MINNESOTA (Cont'd.) Southern 2/3 of State	4	Afternoon			0	0	3	5	Tornado, hail, and wind
									Extensive hail damage coupled with wind largely concentrated in Yellow Medicine, Lyon, Redwood, Mower, and Olmsted Counties. A total loss in some crop areas. Tornado damaged farm machinery in a brief touchdown 3 miles west of New Ulm, Brown County.
6NW Morris, Stevens County	5	3:30p	short	?	0	0	0	0	Tornado
									Tornado touched down in a field, crossed a pond bringing water into vortex, then disintegrated.
Brown, Nicollet Counties	6	3:10-3:30p			0	0	0	3	Tornado, hail, and wind
									Tornado, moving west to east, touched briefly west of New Ulm. Hail stones whipped by strong winds in same storm system did damage to soybean crops near Courtland.
Waterville, Le Sueur County	7	4:15-4:30p			0	0	4	2	Wind and hail
									Strong winds (estimates of 85-100 mph) coupled with hail caused \$15,000 damage.
S. E. Counties	8	2:30-6:00p			1	6	5	5	Wind, hail, and rain
									Thunderstorms moving through the region produced a variety of severe weather effects. At Flying Cloud Airport, Hennepin County, winds of 100 mph caused about \$100,000 damage to aircraft, equipment, and hangars. Four children in a boat on Lake Minnetonka cut and bruised by 2 inch hail stones. Minneapolis man killed in car accident as heavy rains and hail reduced visibility to zero. Two people badly injured in Shakopee Scott County, as high winds blew over a house trailer. An estimated 4 inches of rain fell in Waseca in 50 minutes causing extensive local flooding. Over 200 feet of railroad track washed out just east of city. Extensive hail damage to crops, especially severe in Carver County.
2N, Prinsburg, Kandiyohi County	12	7:15p	1/2	?	0	0	4	2	Tornado
									Tornado moving from west to east damaged buildings on two farms.
Forest Lake, Washington County	12	10:00p	1/2	20	0	0	4	0	Tornado
									Tornado moving from SW to NE damaged residential area west of village.
Southern half of State	12	Evening			3	2	5	2	Wind, rain, and lightning
									Thunderstorms moved through all but extreme southern counties and indirectly caused 3 deaths. In Goodhue County a man was killed when truck he was driving crashed into Wells Creek; the bridge over this stream had washed out. In Cosmos, Meeker County, a farmer and his wife killed when high winds blew a barn over. Their two sons badly injured. On White Bear Lake, Ramsey County, about 150 boats overturned in high winds. At Anoka, Anoka County, wind damage to Trailer Park, \$20,000. Lightning strikes reported in a number of areas.
Mower, Fillmore Counties	15	7:45p			0	0	0	3	Hail
									Hail, up to 1 1/2 inches in diameter, fell near Preston and Grand Meadow causing some crop damage.
15W Nodine, Houston County	15	10:05p							Funnel cloud
									Aircraft report.
11 NE Albert Lea, Freeborn County	15	8:50p							Funnel cloud
									Reported by a motorist.
Jackson (near) Jackson County	16	1:00a			0	0	3	1	Wind
									Trees blown down and damage to several farm buildings.
Wright, McLeod, Carver, Stearns, LeSueur Counties	16	4:45-9:20p			0	0	4	5	Hail and wind
									Hail damage widespread but spotty. One two inch hail and wind gusts to 55 knots at St. Cloud. Near Jordan, a barn destroyed by wind. Some farmers estimated a total hail loss on soybeans, 50% loss on grain. One farm, near Belle Plaine, received \$10,000 crop loss from hail. Near Young America hundreds of birds killed by stones. In West Union, 300 turkeys killed.
Duluth, St. Louis County	16	4:00p			0	0	?	?	Hail and rain
									One and one-half inch diameter hail coupled with excessive rainfall caused local damage.
Madison (near) Lac Qui Parle County	16	Afternoon			0	0	1	4	Hail
									Hail, the size of golf balls, fell in an area about 1 mile wide and 3 miles long destroying almost all crops.
McLeod, Sibley, Nicollet, Blue Earth Counties	17	4:30-7:00p			0	1	4	5	Hail and wind
									Hail, up to 3 inches in diameter, hit in a number of places in region. East of New Ulm a man caught in fields badly bruised and
MINNESOTA (Cont'd.)	17	8:00p			0	0	?	?	Hail
Santiago, Sherburne County	17	8:00p			0	0	?	?	Hail
									his poultry killed from large hail stones. Hail hit near Darwin, Hutchinson, and Brown in area 1 mile wide and 25 miles long. Hail broke windows and did other damage to homes and farms in and near Nicollet and Lafayette. Minutes before hail fell in Lake Crystal "a roar like that of an approaching train was heard."
Claremont, Dodge Counties	18	2:00-2:30p			0	0	4	4	Funnel cloud, hail, and wind
									Funnel cloud sighted. Strong winds and 1/2 inch hail left soft metal trim on houses looking as if hit with shotgun pellets. Hail as deep as 2 inches on ground after the 5 minute fall. Crop hail damage reported along a 10 mile strip in Claremont area. Soybean fields in path a total loss.
Dodge, Olmsted, Wabasha Counties	18	2:00-2:30p			0	0	1	4	Hail
									Hail, 1/2 to 3/4 inch in diameter, fell through the region. Much crop damage done in Plainview-Elgin area.
Forest Lake, Washington County	23	2:45-3:00p			0	0	3	1	Wind
									High winds snapped many trees. This in turn caused damage to power lines, buildings, and some boats.
Pierz (near) Morrison County	23	3:00p	short	?	0	0	4	4	Tornado, wind, and rain
									A tornado touched down briefly destroying a barn and damaging other farm buildings and equipment. In and south of Pierz heavy rains and winds caused building and crop damage.
Stearns County	23	1:05-1:30p			0	0	4	3	Winds
									Numerous trees toppled between Sauk Centre and St. Cloud knocking out power lines to many homes.
15 SW Alexandria, Douglas County	30	4:28p							Funnel cloud
St. Cloud area	30	2:55-4:10p	1	*1	0	1	4	0	Wind and rain
									Winds up to 82 mph coupled with 84 inch of rain in 10 minutes caused \$25,000 damage at St. Cloud Airport. Main damage occurred when a hangar roof blew off causing a wall to collapse on 7 planes parked inside.
15 NW Minneapolis	30	4:40p			0	0	3	0	Wind
									Gusts to 70 mph caused minor property damage.
Hallock (near) Kittson County	30	Afternoon			0	0	?	?	Hail and rain
									Three inches of rain and hail fell in 1/2 hour doing some crop damage.
Faribault County	31	4:00p			0	0	1	5	Hail and wind
									Hail, the size of golf balls, knocked down from 4,000 to 5,000 acres of soybeans valued at over \$250,000. Heavy losses of corn and small grain in an area 2 miles wide and several miles long northeast of Blue Earth.
MISSISSIPPI	3	Just after dark			1	1	0	0	Lightning
George County	3	Just after dark			1	1	0	0	Lightning
									Basin community, Lucedale: During thunderstorm, two men, taking shelter under tree awaiting rain to stop, were struck by lightning; killed one, injured other.
Tippah County	3	8:00 p.-9:00 p.	7	880	0	0	1	5	Hail
									Thunderstorm with heavy hail moved NW from Murry (3 NNE Ripley) into SE portion Holly Springs National Forest. Hail covered ground, averaged golf ball size, some up to 2-in. diameter. Very severe crop damage on two or three farms; less elsewhere.
Marion County	6	Afternoon	Short	Narrow	0	0	?	0	Tornado
									Columbia 6N: Front of rural grocery store torn away and deposited on back porch by small tornado. Woman store owner said, "It sounded like a train coming".
Grenada County	7	2:45 p.			0	1	0	0	Lightning
									Grenada: Man standing near huge tree felled by lightning, another man and his wife on front porch felt shock.
Jackson County, Pascagoula	10	Night			0	0	?	0	Wind
									Wind split off major limb, on NW side, of reportedly the largest (14' 8" circumference, 52' high) and oldest Magnolia tree in Mississippi.
Amite County	11	Early evening			0	0	5	0	Lightning
									Thompson community (12 NE Liberty): Fire, believed triggered by lightning flash, destroyed milk processing plant.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1965

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					KILLED	INJURED	PROPERTY	CROPS	
MISSISSIPPI (Cont'd.)									
Simpson County	14	4:30 p.-4:35 p.	1/4	200	0	0	3	2	Tornado
Touchstone community (3NE Harrisville): Funnel from high altitude, looked like sweeping sack with long tail, dipped down on edge of timber line, damaged barn and home; descended again, without damage, in open pasture land. Debris, peaches and tomatoes from gardens scattered about 1/4 mi.; young fruit trees uprooted, electric lines downed. Heavy rain followed, damaged exposed furniture.									
Holmes County	18	Afternoon			0	0	?	0	Wind
Near Durant: Highway Patrol reported winds up to 80 m.p.h. blew huge oak tree on top of pick-up truck, blocking traffic nearly three hours. TV antennas, trees and large limbs blown to ground. Minor damage reported.									
Harrison County	19	4:20 p.-4:50 p.	20	100	0	1	4	0	Thunderstorm, lightning
Gulfport: Severe thunderstorm developed rapidly and suddenly, moved from NE towards SW, with excessive thunder, lightning, precipitation, recorded wind gust of 69 m.p.h.; expended itself in about 20 minutes. Passed over Gulfport Municipal Airport. While men were securing aircraft, lightning bolt knocked one man about 15 ft.; some damage to aircraft.									
Monroe County	24	1:45 p.			0	0	?	0	Wind
Hamilton: Highway Patrol reported one house trailer damaged by wind.									
Attala County	26	6:20 p.	?	?	0	0	?	0	Tornado
Farming area 1/4 N Kosciusko (latitude 33.3° N, longitude 89.6° W): Highway Patrol reported barn destroyed by tornado; minor damage to house and store.									
MISSOURI									
Mexico 1 1/2 East Montgomery-Andrain Counties	9	4:00 AM	1	300			3		Tornado
Farm family described the sound of the storm "like a jet". A metal bucket was wrapped around a post, and nails were removed from a board without splintering it. A gate to a barnyard lot was standing open, although the bolt-type lock was still in place. The storm touched down briefly near the intersection of Highways 19 and 5L.									
Rolla, Phelps County	9	Early morning							Funnel Aloft
Funnel aloft sighted north of Rolla. No apparent damage.									
Carroll, Monroe and Chariton Counties	11	Early morning			1		4		Thunderstorms
Lightning damage to a house and barn near Bogard, in Carroll County. A home was damaged and a woman was injured by lightning west of Paris, in Monroe County. A barn was destroyed by lightning near Brunswick in Chariton County.									
Andrew County	18-19						5	5	Thunderstorms
Heavy rains, with severe damage to roads, crops, homes and bridges. Storm totals of 5 to as much as 13.5 inches were reported. The town of Rosendale and Amazonia particularly hard hit by floods.									
Ray, Clay and Platte Counties	18-19				1		6	6	Thunderstorms
Heavy rains, with storm totals of from 5 to as much as 14 inches caused severe flooding on several streams. Heavy flood damage in Smithville, Expelsior Springs, Edgerton, Kosby, Missouri City and Farley. A woman was found drowned in her own home in Smithville. Heavy flood damage to homes, roads, bridges and lowland farm crops.									
Atchison County	18-19-20						6	6	Thunderstorms
Thunderstorms, 2 nights in a row, left storm totals of from 1 1/2 to as much as 15 inches of rain. On the evening of July 18 from 11 PM until midnight, winds in the Rock Port area hit 80 miles per hour. There was a path of damage through the west half of the county, 23 miles long and 100-500 yards wide, in which considerable wind damage occurred. Heavy hail and flood damage to crops, and to homes, business and farm buildings. Severe damage to bridges, roads, sewer lines, water and gas mains.									
Johnson-Lafayette Counties	19-20				3		5	5	Thunderstorms
Heavy, intense rain, with totals ranging from 5 to as much as 12 inches, and with close to 3.00 inches in less than an hour, on the evening of July 19, caused serious flooding on streams in the area. Three persons drowned 5 miles north of Holden after a car was swept from a bridge over the Blackwater.									
MONTANA									
Liberty, Hill, and Blaine counties	7	Afternoon and Evening			0	0	0	4	Hail
Hail struck in several areas of the three counties. Some grain fields were a total loss.									
Harlem (7 miles SW) Blaine County	7	Evening							Funnel Cloud
Between 5:00 and 5:45 P.M. a funnel cloud was photographed during a severe hail storm.									
MONTANA (Cont'd.)									
Toole, Liberty, and Chouteau counties	8	Afternoon			0	0	3	5	Hail
Hail storms in several areas caused considerable damage. Some hailstones were up to an inch in diameter.									
Helena, Lewis and Clark county	8	8 P.M.			1	0	0	0	Lightning
A young man was killed by a lightning strike while driving a hay-rake tractor.									
Stanford (1/2 mile west) Judith Basin County	10	4:10 P.M.	2	70	0	1	4	0	Tornado
A tornado destroyed a trailer home, and damaged a nearby frame house.									
Central Chouteau County	10	4:15 P.M.	50	46	0	5	6	6	Tornado, Hail
The storm was centered in the Carter-Fort Benton area. Hailstones ranged in size from buckwheat to tennis balls. Some stones measured 7 inches in circumference. Many grain fields totally destroyed. It is reported that a funnel cloud touched down during the storm.									
Pondera, Hill and Blaine counties	10	Afternoon			0	0	4	5	Hail
One hailstorm began near Pendroy (Teton County), moved north-eastward into Pondera County, then ended in the Conrad area. Other storms were reported in Eastern Hill and Western Blaine counties. Some grain fields sustained little or no damage, others suffered total loss. Hailstones varied from marble to golf ball size. There was also some scattered hail in these same areas on the 9th.									
Billings, Yellowstone County	11	Evening	50	43-44	0	0	4	5	Funnel Clouds and Hail
Five funnel clouds were reported in the Billings area during the evening, three west of town, one south and one over the airport. It is believed one of the funnels may have touched down briefly. Hail was heavy in the Huntley-Shagherd area eastward into Big Horn County to the north of Hardin. Some hailstones were from golf to near baseball size.									
Kinsey, Custer County	11	7:30 P.M.	30	20	0	0	5	5	Hail
One of the worst storms ever observed in this area. Many fields were stripped bare of vegetation. Fifteen head of lambs were killed by hailstones and some cows and horses injured. A number of hailstones were as large as baseballs. The heavy rain caused some local flash flooding.									
Ismay, Custer County	11	8:30 P.M.	6	4 1/2	0	0	4	4	Tornado and Hail
Apparently two funnel clouds in the storm with at least one touching ground. A few chickens killed and a lamb injured. A few grain fields were destroyed by hail. Property damage from wind and tornado. Hailstones were reported up to baseball size.									
Musselshell and North western Rosebud Counties	11	Late Afternoon			0	0	5	5	Funnel Cloud, Hail and Wind
At least three separate storms in the area from near Roundup (Musselshell County) to Sumatra (Rosebud County). A funnel cloud was sighted in the Sumatra area which may have touched down briefly. Windows on west sides of a number of buildings were broken. Some hogs and sheep were killed by hail. Hailstones up to 3 inches in diameter were reported.									
Hardin (15-20 miles south) Big Horn County	12	2:40 P.M.			0	0	0	0	Tornado
A tornado was sighted by a Big Horn County deputy sheriff.									
Great Falls (Malstrom Airforce Base) Cascade County	12	1:10 P.M.							Funnel Cloud
Big Horn, Fallon, Rosebud and Yellowstone counties	12	Afternoon			0	0	4	4	Hail, Rain, High Wind
Hail was reported in various areas of the four counties but damage was not excessive. Heavy rain fell in many areas. Some hailstones 1 1/2 inches in diameter, and 1 inch stones at the Billings Airport.									
Ekalaka (15 miles Southwest) Carter County	19	2:00 P.M.	?	70	0	0	0	0	Tornado
A funnel cloud touched down briefly during a heavy rain storm.									
Gian (near) Beaver-head County	20	Afternoon	5	?	0	0	0	3	Hail, Wind, Heavy Rain
Hail lasted only five minutes, damage light. Hailstones up to size of golf balls.									
Richey, Dawson County	20	6:00 P.M.	15	43	0	0	3	4	Hail
Brusett, Garfield County	20	Afternoon	16	43	0	0	0	4	Hail
Daniels and Sheridan counties	22	Morning			0	0	4	5	Hail
Hail was widespread throughout the two county area. Some hailstones reported about 3 inches in diameter.									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1965

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	
MONTANA (Cont'd.) Highwood-Geraldine area Chouteau County Sims (north of) Cascade County	29	Evening	20	*2	0	0	3	5	Hail
		Diameter of largest stones about an inch.							
	29	10:15 P.M.	10	*2	0	0	0	4	Hail and Wind
		The storm covered an area 3 miles east of Sims to 2 miles south of Fairfield (Teton County). At 3 PM July 30, hail was 3 feet deep in borrow pits and along fence lines.							
NEBRASKA 22 W Scottsbluff	1	4:45 p			0	0	0	0	Funnel Cloud
Otoe County	1	5 p	13	Narrow	0	0	5	4	Tornado
		Moved east-southeast from near Palmyra to Syracuse. Funnels raised and lowered several times and occasionally several funnels were visible in contact with the ground at the same time.							
Eastern Lincoln	1	5 p	?	?	0	0	4	0	Hail
		Stones to 1 3/4". Damage limited by scarcity of stones.							
3 SE Eagle	1	5:15 p	Short	Narrow	0	0	0	0	Tornado
		Sighted moving across Highway 34.							
Nebraska City	1	6:15 p	15	Narrow	0	0	5	0	Tornado
		Tornado observed touching down in Nebraska City. Moved east-southeast.							
Near Otoe	1	6:30 p	5	1*	0	0	0	4	Hail
		Most stones 1 inch, but some up to 3 inches diameter.							
10-15 North of Holdrege	1	11 p	5	1*	0	0	4	5	Hail
		Three inch stones damaged roofs, siding and windows of buildings. Extensive damage to automobiles and crops.							
5 Northwest Harrisburg	2	1:40 p	Short	Narrow	0	0	4	0	Tornado
		Damaged one farm site before lifting.							
Chase County	3	4 a	10	6	0	0	4	4	Hail
		Vicinity of Lamar. Stones 1/4 to 5/8 inch diameter.							
Southeastern Logan County to South Central Buffalo County	3	3:30 p - 6 p	90	6-8*	0	0	5	5	Hail
		A series of severe hail storms broke out in the Stapleton-Arnold area and moved southward past Callaway and Oconto into the Overton-Kearney area. Hail to the northeast of the main path also received hail. Stones ranging in size from less than an inch in diameter up to 3 inches covered the ground to several inches deep in the center of the storms. Livestock was injured and killed, building damage was extensive and crops were completely destroyed in some areas and severely damaged elsewhere.							
12 West North Platte	3	4:53 p	Short	Narrow	0	0	0	0	Tornado
		No damage reported.							
Hershey	3	7 p	?	?	0	0	0	4	Hail
		Hail up to 1 1/2 inches diameter. Considerable damage to corn.							
Haigler	3	8 p - 9 p	?	?	0	0	0	4	Hail
		1 3/4 inch stones.							
Scottsbluff	4	7:38 p	?	?	0	0	0	0	Hail
		Few one inch stones, no damage reported.							
Daves County	5	Afternoon	3	2*	0	0	4	4	Hail
		Storms in and near Chadron and Dunlap. Many 3 inch stones and some up to 4 inches. Damage restricted by brevity of storm.							
Chase County	5	5 p - 5:15 p	12	5*	0	0	4	4	Hail
		Half inch hail stones near Lamar.							
Dawson County	5	8 p	?	?	0	0	5	0	Damaging Winds
		Winds estimated at 75 miles per hour at Cozad damaged alfalfa mills and grain dryers. High winds with minor damage was noted elsewhere in the county.							
Southeastern Saunders County	8	Night	3	2*	0	0	4	4	Hail
		Storm centered south of Ithaca. Stones up to 1 1/2 inches in diameter gave major crop damage and some window and roof damage.							
Arthur County	9	7:30 - 9:30 p	?	?	0	0	4	4	Hail
		Storm centered just west and south of town of Arthur. Severe loss of turkeys.							
Haigler	12	8:40 p			0	0	0	0	Funnel Cloud
Lodgepole Vicinity	14	Afternoon	?	?	0	0	4	0	Tornado
		Touched down just northwest of Lodgepole giving severe tree, roof and antenna damage. Funnel lifted as it approached the town.							
Cheyenne County	14	Afternoon	?	?	0	0	4	4	Hail
		Hail in the Lorenzo and Lodgepole areas with stones up to 1 3/4" diameter. Grain loss was to wheat crop. Some roof and window damage.							
NEBRASKA (Cont'd.) 30 NE Scottsbluff	15	3 p			0	0	0	0	Funnel cloud
Eastern Nebraska	16	6 p to midnight	?	?	0	0	5	5	Hail, Lightning
		Scattered areas of hail fell in York, Polk, Nance, Boone, Cuming, Burt, Lancaster, and adjacent counties. Strips were generally 1/2 mile to a mile wide and 6-8 miles long. Most of the stones were 1/2 to 3/4 inch diameter, but some ranged up to 3 and 4 inches in Burt and Cuming Counties. Crop loss was greatest in Polk and Burt Counties. Lyons was near the center of one storm containing large hail and every building in town had severe damage. Lightning struck and burned barns near York and Nebraska City.							
Near Sargent	17	Evening	?	?	0	0	0	4	Hail
Southern Omaha	18	9:03 p	?	?	0	0	0	0	Hail
		A few 1 3/4 inch stones, only minor damage.							
Polk-Butler Counties	18	Late Night	8	2*	0	0	4	5	Hail
		Area south of Shelby to southwest of Surprise. Hail stones ranging from 1 inch to 3 inches diameter accompanied by strong winds. Extensive damage to buildings and automobiles. Trees stripped of leaves and bark. Complete devastation to crops in 2 by 8 mile area and lesser damage along edges of strip.							
Near Linwood	18	?			1	0	0	0	Lightning
		Lightning struck and killed man standing on the bank of a small pond.							
Nebraska Panhandle	20	Afternoon & Evening	?	?	0	0	4	4	Damaging Winds
		Damaging winds associated with severe thunderstorms blew down numerous trees, unroofed buildings, overturned sheds, etc. Damage was scattered throughout the Panhandle but was most severe in Chadron and Sidney vicinities. Winds of 70 MPH with gusts to 85 were measured at Sidney.							
NEVADA Lanzelle Canyon and Clover Valley	31	Afternoon			0	0	3	4	Heavy rain and flash floods
		Heavy thunderstorms which developed over the Ruby Mountains resulted in flash floods on both sides of the range. Five fishermen were left stranded on the west side of Lanzelle Canyon when the flood blocked the road, washing out 250 feet of it. In addition, some camping facilities were damaged. On the other side of the mountain in Clover Valley the flood spread across fields of hay on several ranches. Several hundred tons of hay in bales and additional acres of unbaled hay were floated away or lodged against fences. In addition, ditches and fences were washed out.							
NEW HAMPSHIRE Southern portion	14	Evening			0	0	4	0	Tornado, funnel cloud, wind, rain
		A tornado left a small mass of tangled, felled trees in North Hinsdale, with a longer narrow path of damage at tree-top level, at about 5:30 p.m. A funnel cloud aloft was reported at Fitzwilliam, also around 5:30 p.m., where trees and utilities were damaged by wind. Other local areas in southern N. H. also were hit by damaging thunderstorms, including Milford, Nashua, and Peterboro. At Peterboro, wind gusts to 76 m.p.h. were reported at 6:30 p.m. Hundreds of homes lost power service. Heavy downpours in some areas caused local flooding and washing.							
Keene	18	Evening			0	0	4	0	Wind, rain, lightning
		Severe thunderstorm with damaging effects mostly limited to the Keene area. High winds downed trees and utility wires. Power and phone outages were widespread over the city. In many instances wires were pulled away from houses by falling limbs. Heavy downpour of rain flooded some streets and basements. Minor damage caused by several lightning strikes.							
NEW JERSEY Barnegat Bay	5	Afternoon			0	1	4	0	Wind
		Squall line moved eastward across Barnegat Bay and capsized, sank, or otherwise disabled 16 boats. Another 22 boats were in distress from the storm. One man injured when his boat was overturned.							
Middlesex County	18	Afternoon			0	0	3	0	Wind
		Large trees blown down in village of Dayton.							
Statewide	18	Afternoon			1	8	5	0	Electrical
		A 1-year old girl was killed by lightning at Point Pleasant Beach, while going from the surf as storm approached. Eight other persons were struck or stunned by lightning bolts in various parts of the State. Numerous fires started by lightning.							
Atlantic County	25	6:10 p.m.			1	0	0	0	Electrical
		A man was killed by a lightning bolt while telephoning to warn people that lightning had just hit a tree outside the house. The fatality occurred at Oceanville.							

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					KILLED	INJURED	PROPERTY	CROPS	
NEW MEXICO Union County	13	6:00 p.			0	0	0	0	Funnel cloud
			Funnel cloud sighted 15 miles southwest of Clayton, remained aloft.						
McKinley County	16	p.m.			1	0	0	0	Lightning
			Girl struck and killed by lightning while herding sheep 16 miles west of Gallup.						
Valencia County	20	night			0	0	0	h	Flash flood
			Flash flood in Ima Eln Canyon, north of Milan, did estimated damage of \$12,000 to several hundred acres of farm land.						
McKinley County	21	afternoon			1	0	0	0	Flash flood
			Wall of water in arroyo flash flood near Gallup killed herder.						
Edgewood, Santa Fe County	31	p.m.			0	0	2	0	Hail
			Hail to golf ball size damaged several cars and some trees.						
NEW YORK Mohawk and Hudson Valleys	5	p.m.			1	50	0	0	Heavy rain, wind, hail
			Severe thunderstorms in the Mohawk and upper Hudson Valley included a local cloudburst of 6.95 inches in northwestern suburbs of Utica and 1.0 to 3.0 inches in areas around and mostly east of the city. Downpour caused overflow of numerous creeks, washouts of roads and erosion of farmland as well as flooding of homes, motels and highways in affected area; holiday traffic slowed or stalled during and following heavy rains. Large dairy barn near Warty, Oneida County and garage with contents at Troy destroyed by lightning fires. Marble-size hail fell near Fondra, Montgomery County but damage to property and vegetable crops was relatively light. High winds reported in Syracuse area with tree limbs and power lines downed at scattered points; man injured by falling limb. Few power failures and boat damaged by lightning at Cooperstown.						
Curriers, Wyoming County	7	5:30 p.m.	1	600			4		Tornado
			Tornado moving from southeast to northwest struck hamlet of Curriers in southwestern Wyoming County. Funnel seen by witness who described sky at the time as very black, visibility restricted and noise as like a "suction". Church and silo unroofed, two small buildings flattened and numerous trees blown over in path of twister.						
Chautauqua, Oneida and Oseida Counties	7	p.m.					5	4	Wind, hail lightning
			High winds during mid-afternoon caused widespread damage to farm properties in central Chautauqua County. Three large barns demolished in one of which ten cows were trapped but were entirely unharmed and another in which two horses were killed. Numerous small sheds flattened, trailer unroofed, powerline towers blown over and houses, buildings and cars damaged by falling trees. Several fields of corn and oats hit by hail in southwest portion of county. Same storm system also resulted in local wind damage to trees and utility lines in the Syracuse and Chittenango areas of central New York. Dairy barn burned after lightning strike at Port Leyden, north of Boonville, Oneida County.						
Niagara, Erie and Broome Counties	9	late p.m.					4		Wind, electrical
			Winds with gusts up to 50 miles per hour caused widespread power disruption in the Buffalo-Niagara Falls area, along with downed trees and limbs, heavy local showers produced flooding of streets and underpasses. In south central New York lightning-caused fire extensively damaged a 100-year old church at Nanticoke, Broome County.						
Finger Lakes, East and Southeast	17-18	p.m. to p.m.			1	5	4		Electrical, wind hail, rain
			Two-day period of unstable weather began afternoon of 17th with a band of destructive hail and wind damage in central and eastern Finger Lakes. Grapes vineyards and fields of corn, small grains and beans hit by marble-size hail from late to northern Tompkins County. High winds flattened large livestock exhibit tent and disrupted activities at county fair at Canadigua. Severe thunderstorms erupted on 18th in Mohawk, Hudson Valleys and Long Island. Flooding from heavy, short duration rains, and wind damage to trees and power lines occurred from Amsterdam to Troy area; wind demolished barn and two silos on farm northeast of Troy to suggest possible tornado. Two houses extensively damaged in Westchester County and boat destroyed off Coney Island by lightning fires. Ferris wheel blown over in Queensborough as wind downed power lines in wide areas of Westchester County. Boy injured by falling masonry loosened by lightning bolt. Heavy rain flooded parkways around New York City.						
NORTH CAROLINA Piedmont	4-5	Afternoons					5	5	Electrical, rain, wind, hail
			Widespread thunderstorms both days. Lightning set fires, disrupted utilities. Wind damaged roofs, outbuildings and house trailers; blew down trees. Flash-floods low areas. Hail damaged tobacco.						
NORTH CAROLINA (Cont'd.) Madison, Mecklenburg, Surry, Wilkes Counties	7	Afternoon			2	1	3	4	Electrical, rain, wind, hail
			Lightning struck metal shelter near Pilot Mountain; killed two fishermen and injured another. Hail damaged tobacco and corn in Surry County. Scattered minor wind damage, flash floods.						
Carteret, Cherokee, New Hanover Counties	9	10am-2pm					4	0	Electrical, rain, wind
			Thunderstorms caused damage at both ends of State. Lightning and flash-flood damage Wilmington; wind unroofed plant in Murphy.						
Piedmont	10-12	Afternoons					5	5	Electrical, rain, wind, hail
			Widespread thunderstorms all three days. Lightning caused fires, cut wires. Wind felled trees, lifted roofs. Hail and flash-floods damaged crops.						
Burke, Catawba, Moore Counties	14	Late Aftn.					4	0	Electrical
			Lightning set numerous fires to homes, barns, business buildings.						
Coastal Plain and northwest Piedmont	15	Afternoon					4	5	Electrical, wind, hail
			Widespread thunderstorms again. Wind and hail in east, lightning fires in west.						
Duplin County	15	4 pm	Short Narrow	0	0	4	0	0	Small tornado
			Home damaged, outbuildings destroyed near Wallace. Funnel seen, roaring heard. Large tree uprooted and carried away.						
Hoke County	17	Noon					4	4	Electrical, wind, rain
			Heavy thunderstorm, torrential rain, Raeford area. Trees uprooted by wind, split by lightning. Homes damaged. Streets, farms flooded.						
Piedmont, northern Coastal Plain	18	Afternoon			1	0	4	5	Electrical, rain, wind, hail
			Boy playing ball, McDowell County, killed by lightning 1:30 pm. Utilities damaged several areas. Heavy, widespread hail damage to tobacco, corn, cotton; up to golf ball size. Scattered minor rain and wind damage.						
Coastal Plain, eastern Piedmont	19	Afternoon & Even'g					4	5	Electrical, hail, wind
			Widespread hail damage to crops. Scattered occurrences of lightning and wind damage to buildings, trees and utilities.						
Brunswick & New Hanover Counties, offshore	19	5-6 pm					0	0	Waterpoucs
			Several seen off Carolina Beach and Oak Island.						
Piedmont	24-25	Afternoons					4	4	Electrical, rain, wind, hail
			Widespread thunderstorms again both days. Lightning caused fires, electrical damage. Flash-floods. Hail hit crops, wind felled trees.						
Cabarrus County	25	4:30 pm	Short Narrow	0	0	4	0	0	Small tornado
			House trailer, outbuildings demolished; roofs carried away. Funnel seen, carrying debris. Trees uprooted, chimneys toppled.						
Alamance, Buncombe, Cleveland, Guilford, Pasquotank Counties	26	Afternoon			1	0	4	0	Electrical
			Man killed by lightning near Elon College; standing in water. House trailer burned, other minor lightning damage.						
Piedmont	27	Afternoon			1	0	4	4	Electrical, rain
			Flash flood near Greensboro; 8-year-old boy washed into culvert and drowned. Washouts and flooding several areas; up to 7 inches rain. Scattered lightning damage to homes and commercial buildings.						
Interior Coastal Plain, northern Piedmont	28-29	Afternoons & Even'gs					4	4	Rain, Hail
			Scattered heavy rains each day. Hail hit crops several areas.						
Coastal Plain, Piedmont	Month						0	6	Rain
			Water-logged soils due to extended wet weather drowned tobacco many areas, reduced quantity and quality of cotton and tobacco production.						
NORTH DAKOTA White Earth 11 S	7	11:30 pm					4		Tornado moved 2 1/2 miles northeast
Stutsman County	8	4:00 am	100 sq miles				4		Severe lightning
Dickinson 10 SW	8	12:05 pm	40						Tornado
Hanning E	8	12:17 pm	Moved to 5 miles north of Dickinson then east of Hanning in 43 minutes						Tornado

See reference notes at end of table.

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JULY 1965

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					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS			
NORTH DAKOTA (Cont'd.)											NORTH DAKOTA (Cont'd.)											
Armourdale	8	1:20 pm								Funnel cloud moved northeast	Rugby	22	4:30 pm						5	3	High wind, heavy rain 2 in. 30 min.	
Grand Forks 15 NW	8	3:00-4:00 pm								Funnel Cloud	Oberon, Benson County	22	5:00 pm						4	4	Tornado and high winds to 80 mph	
Forest River	8	3:20 pm								Tornado	Devils Lake 20 NW	22	6:00 pm								Tornado	
St. Anthony 8 W	8	night							4	Hail, golfball size	Valley City Vicinity	22	6:30 pm								Funnel cloud moving	
Barnes County	12	4:40 pm								Funnel cloud, heavy rain to 4 inches	Binford	22	7:00 pm					3			Wind, rain 6-7 inch in 1 hour	
Towner City	12	4:40 pm								Funnel cloud, heavy rain, 1.68" in 20 minutes	Jamestown 20 S	22	7:30 pm								Tornado	
Park River	12	evening								Funnel cloud	Valley City	22	8:00 pm								Funnel cloud	
Lanekin SW	12	evening								Funnel cloud	Valley City	22	8:15 pm								Funnel cloud, rain 3/4 in. in 30 min.	
Fordville	12	evening								Funnel Cloud	Ashley	22	9:45 pm								Funnel clouds (3)	
Garrison E	12	night						4		Hail	Fargo	22	10:00 pm								Funnel clouds	
Adams 7 SW	12	night								heavy rain	Napoleon	22	11:30 pm							4	Hail, lightning	
Carrington	13	1:10 am								Funnel cloud (severe)	Stark, Horton, LaMoure, Emmons, Grant, Burke, Renville Counties	22	evening					3	5		Hail	
Devils Lake 28 N	13	2:05 pm								Tornado, funnel cloud	Divide County	29	11:00 am	12	3			4	4		Hail	
Peace Garden	15	afternoon						2		Hail, marble size 8 inch drifts	Adams County	29	5:30 pm						4			Hail
Belcourt 7 NW	15	2:55 pm								Funnel cloud, hail	Fargo	29	9:30 pm								Wind-gusts to 77 mph	
Hoople, near	15	4:15 pm								Funnel cloud	OHIO											
Rugby 30 E	15	5:00 pm								Funnel cloud	Glandorf	2	7:15 PM	Short	Narrow	0	0	0	4	C		Tornado
Jamestown 30 W	15	5:00 pm								Tornado	A small tornado funnel dipped to treetop level during a heavy thunderstorm. It struck about 3 miles west of Glandorf removing the entire roof from a large brick house. Walls were so badly cracked that demolition may be necessary. Siding was ripped off another house nearby, and windows were broken. Utility lines in the storm's path were downed.											
Jamestown 20 NW	15	5:04 pm								Tornado moving ENE	Springfield	9	1:30 PM			0	0	0	5	C		Lightning and Windstorm
Medina	15	5:15 pm								Funnel cloud	A heavy thunderstorm hit in Springfield accompanied by such lightning and squally winds. Lightning set fire to Ashbury Chapel (built in 1823) which burned to the ground. A light plane was overthrown at the Municipal Airport. Lightning also struck several other houses and barns, but damage was minor.											
Finley E	15	6:19 pm								Tornado moving S	Sidney	17	9:20 AM			1	0					Lightning
Foster County	15	6:15 pm						3	5	Hail, golfball size	New Haven	17	7:30 PM									Funnel Cloud
Jamestown 40 NW	15	6:15 pm								Funnel cloud	A funnel cloud was sighted about 6 miles east of New Haven.											
Finley N	15	6:19 pm								Tornado moving E	Millersburg	22	8-10 PM	10	1000	0	0	5	5			Hail and Wind
Richland and W & S Cass County	15	8:00 to 8:20 pm	50 SQ miles					3	5	Hail 1/2 to 1 inch diameter, wind	A southward-moving thunderstorm did considerable damage in the Millersburg-Killbuck-Clark area during the evening. Hailstones, some of which exceeded an inch in diameter, flattened crops in a strip from 1 1/2 miles north of Millersburg to 4 miles south of Clark. Some 1000 acres of corn, 200+ acres of soybeans, and a similar acreage of small grains were partially to completely destroyed. Many houses and other buildings suffered broken windows. Just west of the hail area extensive windstorm damage occurred from Holmesville to Killbuck. In what may have been a small tornado, a garage addition was lifted and carried about 100 feet; and there was much damage to trees and utility lines.											
Absaraka	15	8:05 pm								Funnel cloud moved NW to SE	Hillsboro	22-23	11 PM-8 AM			0	8	0	6	C		Flesh flood
Fargo 10-15 S	15	8:50 pm								Tornado moved SE severe electrical storm	Rain of "cloudburst" proportions fell over Highland County and parts of adjacent counties during the night of July 22-23. Rainfall measured 7.20 inches at Hillsboro near the center of the storm area, while unofficial measurements in eastern Clinton County exceeded 5 inches. The resulting flesh flood washed out bridges and culverts over a wide area, and did a vast amount of damage to streets and highways. A B&O freight train was wrecked due to washed-out trackage near Highland injuring 3 trainmen. At a washed-out bridge an ambulance dropped into floodwaters injuring the occupants. Municipal water supplies including those at Hillsboro and Leesburg were polluted. Rocky Fort Lake rose 4 feet and recreational facilities were damaged. Flooding of river-bottom crops added to the overall losses by flood.											
Sarles	15	night	20 sq. miles						4	Hail	Atwood Lake	24	6 PM	Short	Narrow	0	0	4	0			Tornado
Towner county	16	afternoon						4	4	Hail, high winds	A localized windstorm, probably a small tornado passing at rooftop level, ripped a 40 x 100-foot section of roofing from the Atwood Lake Lodge and caused extensive inside damage by water. Many windows were broken and cars damaged by flying debris. A funnel cloud was seen, and the "roaring sound" heard above the main noise of the thunderstorm. Overhead wires were ripped down, and in the dock area a tent and trailer were upset.											
Towner County	16	evening						3		Tornado												
Michigan	16	evening							5	Hail												
Laston	16	evening							4	Hail												
Manning E	18	8:45 pm							2	Tornado												
Williston	19	4:00 pm							4	Wind gusts to 80 mph												
Benson, Wells, McLean Counties	19	6:00 pm							4	Heavy rain 3.75 in. in 1 hour up to 5" in storm												
Helmdahl	19	6:00 pm								Tornado												
Rolette County	20	9:45 pm								Heavy rain 3.59 in. in 2 1/2 hours												
St. Anthony	20	night							4	Hail to golfball size												
Dickinson	21	3:22 pm								Hail 3/4 in diameter												
Divide County	22	morning							4	Hail, heavy rain												
Jamestown	22	1:37 pm							3	Wind gusts to 75 mph												
Minot 20 NW	22	3:00 to 3:15 pm							3	Wind 4-5 inches rain wind 80-100 mph												
Ray, near	22	afternoon								Tornado, hail, golfball size												
Minot	22	4:00 pm								Wind-7 mph heavy rain 1 1/2 in. 20 min.												

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1965

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	
OHIO (Cont'd.) Mansfield	24	3:30 PM							Large hail
									Hail more than an inch in diameter was reported from an area about 5 miles northeast of Mansfield. No estimates of damage have been received.
OKLAHOMA Heavener, LeFlore County	3	7:00p.	Short	Narrow	0	0	0	0	Hail
									Hail varying from 1/4 to 1-inch size covered the ground 1 mile southeast of Heavener. No damage reported.
Talala, Rogers County	4	5:00a.			0	0	5	0	Electrical
									Lightning set fire to a wooden grain elevator with complete loss including nearly 20,000 bushels of grain.
Cheotaw, near, Oklahoma County	6	7:53a.							Funnel aloft
									A funnel aloft was sighted as it lowered near the ground about 2.5 miles northwest of Cheotaw. It was observed for 40 seconds from near Nicoma Park before it pulled back up in a near-horizontal position and dissipated.
Hanson, Roger Mills County	6	4:30p.-5:00p.	1 1/2	2 1/2	0	0	4	4	Wind, hail
									A large thunderstorm moved southeastward across the town with damaging winds hitting the east side hardest. Trees were uprooted, buildings unroofed, windows broken, several porches ripped off or collapsed, power lines downed, and a barn and garage destroyed. Hail of 1/2-inch to 1-inch size covered 75% of the ground and completely destroyed some cotton, feed, and hay crops in the nearby area.
Dear Creek vicinity, Grant County	6	5:30p.-6:00p.	7	7	0	0	0	0	Hail
									Hail varying from 1/4 to 3/4-inch size covered the ground. No damage reported.
Ponca City area, Kay County	6	5:55p.-11:43p.	10	*3	0	2	5	0	Wind, rain, and electrical
									Heavy thunderstorms passing southeastward across the area caused extensive wind damage in the north and east parts of the City with wind gusts recorded up to 92 MPH at 6:50p. Winds toppled 5 trailer homes, demolishing 3 and damaging 2, while one lady occupant received a broken collarbone and one other person was injured. Heavy tree damage caused \$95,000 clean-up. Several buildings lost roofing and a barn was nearly destroyed. Some 500 electric service lines and 100 telephone lines were downed, while firemen made 44 calls. Rainfall totaled 4.29 inches and caused some local flooding and damage from backed-up sewers. Lightning struck a rural home 6 miles east-northeast of the City about 11 PM and burned it to the ground with complete loss of contents. Wind damage 88% of \$125,000 total, rain 2%, and electrical 10%.
Canadian and Oklahoma Counties	6	7:00p.-7:45p.	23	*7	0	3	4	C	Wind, hail
									An intense thunderstorm caused widespread wind and hail damage from across the north side of Yukon east-southeastward through Bethany and into the southwest half of Oklahoma City. Near Yukon one barn was destroyed and four others heavily damaged, and trees uprooted. Hay and cotton was also beaten into the ground by hail up to 1.5-inch size which covered the ground in places. Extensive tree limb damage occurred in Bethany and at scattered locations in the west part of Oklahoma City. Wiley Post airport reported 1-inch size hail and wind gusts up to 84 MPH about 7:15 PM that destroyed a light plane. Three persons were injured in the southwest part of the City when high, straight winds turned over and destroyed 2 trailer homes. A revival tent was blown down and brick veneering toppled from a garage wall and several wooden fences damaged. Scattered hail fell over the southwest part of the City with stones up to 1.3-inch size reported near Douglas Drive and S. W. 71st Street.
Turley, near, Tulsa County	10	4:42p.-4:45p.	Short	Narrow	0	0	0	0	Hail
									A thunderstorm moving northeastward across the northern part of the County furnished a few hail up to 1.5-inch size near 91st No. and Peoria Avenue, 2 miles north of Turley.
Cleveland, Pawnee County	14	6:00a.-9:00a.	7	7	0	0	7	7	Rain
									Heavy rain occurred in the Cleveland area with the major portion of the 4.39-inch total falling within a 2-hour period.
Jackson and Tillman Counties	14	About 5:40p.	Several	*3	0	0	3	4	Hail, wind, rain
									A severe hailstorm damaged irrigated cotton on 9 farms located 9 miles east-southeast of Altus where one barn was also heavily damaged by wind. Cotton was wiped out on 800 acres and production was greatly reduced on another 800 acres. Hail, described as small but whipped by a strong wind, lasted more than 20 minutes. Rainfall was unofficially reported as 3.5 inches in the hail area while rain at Eldorado was recorded at 3.17 inches. Some damaging hail and unofficial rainfall totals up to 5.0 inches occurred over the area extending from 3 to 5 miles south of Frederick to Hollister and 11 miles north of Hollister. Similar rains up to 3.6 inches were also reported in the Manitow area.
OKLAHOMA (Cont'd.) Oklahoma City, Oklahoma County	25	2:45p.-3:00p.	2/3	300	0	0	5	0	Wind and rain
									Heavy thunderstorms covering the northern half of Oklahoma City were most intense and damaging in the 3300 block north between Lincoln Blvd. and Phillips Avenue. Strong downdraft winds swept westward across the area estimated at 70 to 80 MPH and were accompanied by blinding rain that limited visibility to near zero when the storm hit about 2:45 p.m. Roofing was stripped from several neighborhood homes, trees and branches downed and two greenhouses were heavily damaged on the east end of a line of 10 greenhouses which also lost 500 panes of glass. The straight wind also caused extensive damage to a large motel when it lifted off a portion of the roof from the 3-story east wing. The debris was scattered over the courtyard and damaged other portions of the building and roof when blown due west across Lincoln Boulevard. Additional water damage was caused by the hard rains.
Westville, Adair County	25	2:57p.-3:02p.	Short	Narrow	0	0	0	0	Hail
									Hail fell at the west edge of the town with 35% of the ground covered by 1/4 to 3/4-inch size stones. No damage reported.
Dever, near, Kingfisher County	25	4:20p.-5:45p.	7	*3	0	0	1	1	Rain
									An extremely heavy thunderstorm moved southeast across the Loyal-Dever area with unofficial totals of 5 to 6 inches reported 4 to 5 miles west of Dever. One farm received 5.02 inches within an hour and reported damage from soil erosion. A hay stack was struck by lightning on one farm and between 800 and 900 bales were burned while several homes received smoke and water damage from lightning-set fires.
Blackwell, Kay County	27	4:15p.-5:15p.	7	7	0	0	4	0	Rain and electrical
									Heavy thunderstorms over the north-central part of the State were reported most active in the Blackwell area where lightning-set fires heavily damaged 2 homes. Rainfall was 2.10 inches with unofficial reports in the City of 3.2 and 5.6 inches. Flash flooding ran downtown streets curb-deep, while water entered several businesses on the west side of North Main's 200 block and damaged carpeting and merchandise, and seeped into basements.
Canton, Elaine County	27	About 6:30p.			1	0	0	0	Electrical
									A man was struck and killed by lightning while walking home from a field just south of where he had been plowing.
OREGON									
Snake River Valley	3	Late Afternoon			0	0	4	3	Wind, Lightning
									Strong winds accompanying a lightning storm blew over number of trees and a string of 28 telephone poles. The latter blocked parts of U.S. Highway 20-26 and Highway 201 for up to 2 days. Lightning strikes damaged some farm buildings.
Snake River Valley	8	Afternoon			0	0	3	4	Wind, Lightning, Hail, Rain
									Lightning storm was accompanied by locally heavy rains, high winds and in a few places by marble-sized or larger hail. Several farms suffered heavy damage to corn, beans, potatoes and onions. Some trees were blown down or large limbs broken off causing minor power outages. Rains washed out small sections of secondary roads.
Much of State	25-26	Late Afternoon and Night			0	1-2	4	3	Lightning
									Quite violent thunderstorm in the afternoon and evening started over 100 forest fires at various points in State. All were brought under control after very limited damage, but scores of fire fighters were used in their control. Buildings and homes were destroyed or damaged by lightning strikes. Power services were interrupted and some transformers damaged.
Western Unatilla County - 12 miles west of Pendleton	26	About 7:00 PM			1	4-5	4	4	Rain (Cloudburst)
									Heavy rains in upper and middle drainage of Spears Canyon sent a wall of water estimated 200 feet across and 8-10 feet high into one home and across considerable farm land. An entire family was trapped in flood. One of them was drowned. Their home was completely destroyed. Other farm buildings in the area were damaged. Considerable acreage of grain was flattened. Several farms suffered serious erosion. Considerable section of major highway was destroyed and other portions buried under piles of rock, mud and other debris. Some irrigation canals and flumes damaged.
Klamath Falls	26	6:00 PM			0	0	0	0	Funnel Cloud
									Funnel cloud reported but apparently did not touch ground at any point. It caused no known damage.
PACIFIC AREA			None reported						

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1965

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	
PENNSYLVANIA									
Northeastern Lancaster Co.	3	2-3P.M.					4		Thunderstorm
									High wind, accompanying the storm, blew down a large tobacco barn in Lincoln, causing damage in excess of \$10,000. Several building roofs in the area were also damaged. Many window panes were broken by marble-sized hail.
Nescopeck	3	Afternoon					5		Thunderstorm
									Lightning fired a factory, which was destroyed along with contents, with a total loss of \$200,000.
Lancaster Co.	5	Afternoon					4	3	Thunderstorm
									Two homes were fired by lightning, 6 head of cattle killed by lightning and strong, gusty winds downed a number of trees from a series of storms that raged across Lancaster County. Hail the size of golf balls damaged corn and tobacco near Neffsville.
Center Valley - Lehigh County	5	1 P.M.					3		Wind
									Strong winds unroofed a home and uprooted a number of trees.
Near Shippensburg	7	Evening					5		Thunderstorm
									Two bolts of lightning fired and destroyed a mobile homes plant, resulting in \$350,000. loss.
Near Brighton	7	Afternoon					3		Wind
									Brief, but strong, gusty winds toppled a chimney which damaged an adjoining roof. A number of trees and utility lines were also downed in the area.
Near Jersey Shore	9	Evening					3		Wind
									Strong wind partially demolished a barn. A number of trees in the immediate vicinity were also felled by the wind.
Near Towanda	17	Night					3		Thunderstorm
									Ten head of cattle were killed when struck by lightning from a thunderstorm.
Near Port Allegheny	17	9:10 P.M.					4		Thunderstorm
									Fire resulting from a lightning strike destroyed a barn and its contents.
Southeastern Counties	18	Afternoon					4	3	Thunderstorms
									Lightning fired a number of buildings from Franklin County to Philadelphia. Included were several barns, a feed mill in York, and a store in Philadelphia. Total fire damage was estimated at close to \$450,000. Hail accompanying several of the storms damaged corn and tobacco in Lancaster County.
Near Uniontown	18	Afternoon					3	2	Wind
									Strong wind toppled a 33-foot silo, destroyed a corn crib, leveled a 9-acre cornfield and uprooted a number of trees.
Erie	28	8:30 P.M.					1		Thunderstorm
									Lightning struck and burned a 6-year-old boy who was standing under a tree during the storm.
PUERTO RICO									
RHODE ISLAND									
SOUTH CAROLINA									
Near Florence, Florence County	4	11:30 p			0	0	4	0	Lightning - Wind
									Lightning started fire, destroying house and contents, family away on trip. Wind toppled large tree nearby.
North Charleston, Charleston County	5	late p	brief		0	0	3	0	Tornado
									Funnel observed to touch down briefly, damaging building and smashing utility poles.
On Interstate 85, Anderson County	9	late p			0	1	0	0	Lightning
									David Carroll, working with road crew, hospitalized when struck by lightning. This was the 11th time he has been knocked unconscious by lightning.
Near Pickens, Pickens County	9	5:30 p			0	0	4	0	Lightning - Wind
									Barn, together with two hogs and a tractor burned; two other homes also suffered minor damage; Pickens Freezer and Locker Plant hit, burned out cooling motors; power pole, several trees blown down, causing power failures.
Chester, Chester County	11	a.m.			0	1	1	0	Lightning
									Bolt struck well house, knocking woman unconscious.
York County	11-12	late p early a			0	0	5	0	Heavy rain
									Ten bridges washed out or heavily damaged by flooding streams, as up to 8.37 inches of water fell in 24-hour period near Gaffney in Cherokee County.
SOUTH CAROLINA (cont d.)									
Fort Jackson, Richland County	12	6:30 p			0	8	0	0	Lightning
									Eight soldiers received minor injuries from lightning bolt while out on the training range.
Greenville, Greenville County	14	5:00 p			0	1	2	0	Lightning
									Bolt destroyed half of chimney, spreading spot over two rooms of house. One occupant received minor injuries.
Near Loris, Horry County	15	p.m.			1	0	0	0	Lightning
									Boy, plowing field, found dead on seat of tractor, pathologist's report indicated death caused by lightning.
Columbia, Richland County	15	4:30 p - 6:30 p			0	2	4	0	Heavy rain
									Excessive rainfall caused considerable flooding, 4-8 feet water in low spots, damaged interiors of several autos and trucks, minor road damage. Two injured in auto accident caused by rain.
Yorkville, York County	19	4:15 p			0	1	3	0	Lightning
									Lightning jarred man and his dog when it struck their home, causing several hundred dollars of damage.
South Carolina	19	p.m.			0	0	4	3	Hail, lightning, wind
									Scattered heavy thunderstorm caused considerable damage over state, including hail in Lancaster County, golf ball size hail in York County; lightning damage, Seneca, Richland, Clarendon, Spartanburg, Cherokee and Florence Counties. Wind, described as a possible small tornado, overturned a semi-trailer on Highway 52, just inside Derlington County line. In addition, many trees were toppled with minor power failures common in many other areas of state.
Near Eutawville, Orangeburg County	23	6:15 p short			0	0	3	0	Tornado
									Funnel, short distance above ground, took tops out of several trees knocked chimney off at roof level and damaged nearby barn roof.
Line Stone section, Orangeburg County	28	p.m.			2	0	0	0	Lightning
									Two girls killed by the second of two flashes of lightning as they ran toward their home.
Highway 521, 1 mile south of Kershaw, Kershaw County	28	11:00 a			1	0	3	0	Heavy rain
									Four vehicle accident in blinding rain resulted in one death.
Batesburg, Lexington County	28	1:45 p			0	0	0	0	Funnel
									Funnel observed, but did not touch ground - 3 miles south of Batesburg.
Bennettsville, Marlboro County	28	early p			0	0	4	0	Lightning
									Lightning set fire, one home destroyed, second damaged when resulting fire spread to it.
South Carolina	July				0	0	4	0	Wind, heavy rain, hail
									In addition to dates already mentioned, storm damage of varying, lesser extent, occurred on the 6th, 7th, 16th, 25th and 31st of July in various sections of the state, in what proved to be an unusually stormy month for South Carolina.
SOUTH DAKOTA									
305SW Lemmon	1	Midnight							Funnel cloud
SRN Washabough County	3	5:30-6:30 p	40	*2 1/2	0	0	3	5	Hail
									Hail averaged 1 1/2 inches with largest 2 1/2 inches. Storm moved from SW to NE. Extensive damage to wheat crop with some damage to other crops. Many windows broken.
Todd and SRN Mellette Counties	5	5:45-6:15 p	?	?	0	0	4	5	Hail
									Many hailstones golf ball size with some to baseball size. Storm moved from NW to SE damaging crops, roofs, windows and automobiles.
NE of McLaughlin	8	3:30-4:30 p	6	*1 1/2	0	0	0	4	Hail
									Hail averaged 1/2 inch. Storm moved from NW to SE.
SW Newell	8	8:30 p							Funnel cloud
Near Fairfax	12	4:30-5:15 p	6	*1 1/4	0	0	0	3	Hail
									Hail moved from NW to SE and averaged inch with largest 3 inches.
Near Clark	12	4:30-5:30 p	15	*1-5	0	0	2	4	Hail
									Hail averaged 1 inch with largest 2 inches and moved from NW to SE.
Near Dumont in Black Hills	12	5:30-6:00 p	20	880	0	0	3	5	Tornado
									Storm moved from NW to SE destroying 6400 acres of timber. A few buildings were damaged.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1965

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
SOUTH DAKOTA (Cont'd.)									
3SE and 6SE Black Hawk	12	About 6:00 p	7	?	0	0	0	0	Tornado
									Tornado touched down twice but caused little damage.
Lake Byron Area	15	5:00-5:45 p	10	*2	0	0	3	5	Hail
									Hail averaged 1 inch with largest hail egg size. Storm moved from NW to ESE. Crops were extensively damaged. Some roof and window damage reported.
Tyndall-Tabor Area	17-18	11:30p-1:15 a	4	*1	0	0	3	4	Hail
									Hail averaged golf ball size with largest 5 inch. Storm moved from west to east damaging crops and a few farm buildings.
15E Belle Fourche	18	2:55-3:40 p	3	*2	0	0	4	3	Tornado and hail
									Tornado damage limited to 1 farmstead where a nearly new concrete silo was destroyed. Hail up to 2 1/2 inch size damaged crops in about 6 square mile area.
Edgemont and Vicinity	18	6:30-7:00 p	26	*3-4	0	0	5	5	Hail
									Hail averaged 1 inch with largest golf ball size caused extensive damage to windows, roofs and crops. Storm moved from NW to SE.
Stickney-Plankinton Area	18	7:45-8:15 p	About 4	3300	0	0	3	4	Hail and funnel aloft
									Hail up to 2 1/2 inches damaged crops in about a 4 square mile area with some damage to buildings.
4E Martin Area	19	5:00 p	6	*3	0	0	2	4	Hail
									Hail averaged 1/2 inch caused total crop loss in some fields.
14W Gettysburg	22	6:30-6:40 p	3	*2	0	0	3	4	Tornado and hail
									Hail was small but caused up to 90% crop damage in a 4 square mile area. Tornado damaged buildings on 2 farms and peeled blacktop from U. S. Highway 212 west of Gettysburg.
15E Marion	30	3:30-4:00 p	2	*1/2	0	0	0	3	Hail
									Hail from pea to marble size damaged crops. Storm moved from W to E.
3SE Alcester	30	Late p	?	?	0	0	0	4	Hail
									Hail damage to crops was reported light to heavy with about 50 claims for crop damage filed.
8-10N Elk Point	30	6:30-7:00 p	About 5	*2	0	0	0	4	Hail and wind
									Hail and wind caused up to 50% damage to crops.
TENNESSEE									
Nashville Area, Davidson County	2	p.m.			0	0	4	0	Lightning, wind, hail
									Lightning, strong winds to 53 mph and small hail struck in various places, damaging trees, utilities and resulted in fire damage to five homes.
West and Middle Tennessee	2-3				0	0	4	?	Thunderstorms
									Severe thunderstorms accompanied by strong winds and heavy rains caused local damage to trees, powerlines and roofs. Numerous river bottomland fields were reported flooded as a result of the heavy rains. Crop damage is not yet known.
Mt. Moriah Area, Obion County	2	p.m.			0	0	3	0	Lightning
									Three Jersey cows standing under a tree were struck and killed by a bolt of lightning.
Scarsville, Fayette County	3	5:15p.	Short	Narrow	0	0	4	0	Funnel cloud
									A small funnel shaped cloud is suspected to have almost touched ground in the Bethelham Community. The storm left a short path of broken trees and communication lines and heavily damaged the foundation and roof of one house.
West Meade, Davidson County	4	p.m.			0	0	4	0	Lightning
									House and contents completely destroyed by fire after struck by lightning.
Pulaski, Giles County	6	6:15-7p.			0	0	4	0	Lightning, wind
									A strong thunderstorm with locally strong winds and lightning knocked out electrical power service and uprooted or damaged more than one hundred trees.
Anderson, Blount, Hamblen, Knox, Jefferson, Sevier Counties	7	6:30-10:15p.			0	0	5	0	Lightning, wind, rain
									Violent thunderstorms with strong winds and heavy rains caused extensive damage in many parts of the area. Roofs were damaged, trees uprooted, electrical service disrupted, while locally very heavy rains caused flooding of streets, buildings and homes. Sections of US 29 and several roads in Anderson County were temporarily blocked by landslides, while in North Knox County two bridges on Bull Run Valley Road were washed away by flood waters.
Wartburg, Morgan County	9	Noon			0	0	0	0	Electrical, wind
									One house in the Liberty Community burned by lightning-set fires; scattered damage to farm buildings, trees and 20 percent of 15 acres of corn was broken by strong winds.
Newport, Cooke County	9	7:00p.			0	0	4	0	Wind
									Strong winds during a thunderstorm collapsed a partially constructed building.
TENNESSEE (Cont'd.)									
Tiptonville, Lake County	9	p.m.			0	0	4	0	Lightning
									House and contents burned to ground as the result of lightning.
Kingsport, Sullivan County	10	1:30p.			0	0	3	0	Lightning
									Lightning set fire to church roof.
Elizabethton, Carter County	15	Noon			0	0	?	0	Thunderstorm
									A downpour that dumped 1.75 inches on the city within one hour caused flooding of stores, streets and yards.
Greeneville Area, Greene County	15	p.m.			0	0	3	0	Lightning
									Four cows struck and killed by lightning in open field.
Old Hickory Lake Area, Davidson County	17	p.m.			0	0	4	0	Wind
									During the passage of a thunderstorm, strong winds estimated up to 57 mph and rough water sank a 32-foot houseboat and several other smaller craft on the lake.
Northeast Tennessee	24-25				6	0	0	0	Flash floods
									Heavy convective rains and thunderstorms dropped up to seven inches of water within 24-30 hour period in a band from Scott, Campbell and Claiborne Counties southward to Anderson, Knox and Jefferson Counties. Hardest hit was the community of Clinchmore, 20 miles north of Knoxville was swept away by a wall of water from a collapsed railroad trestle which damaged up debris and water across a mountain stream. The area about three miles long and 100 to 200 yards wide was completely leveled. Flash flooding also struck at New River, Scott County, Briceville and Lake City in Anderson County and Strawberry Plains in Jefferson County. A family of five were killed at Clinchmore when water swept away their home. At New Market in Jefferson County a child was reported to have drowned when water poured into the house. Many highways and bridges in the area were damaged or washed away.
TEXAS									
15 NE Dalhart Sherman Co.	2	night							Funnel aloft
Port Arthur Jefferson Co.	5	10:35 a	short	narrow	0	0	2	0	Tornado
									A tornado touched ground briefly in the Port Arthur suburb of Groves at Taft and 25th Streets. Three portable metal contractor's buildings at the new Taft Elementary School were blown into a nearby drainage ditch, several power lines along Taft Street were knocked down, and a portion of a nearby hurricane fence was torn down. The tornado funnel dissipated after bouncing off the ground. Three houses suffered minor roof damage.
Baytown Chambers Co.	13	4:45 p			0	0	7	0	Lightning
									Lightning ignited a storage tank of ethylbenzene about 50 yards west of the Phelps building at the Humble Refinery. The 30,000 barrel tank was about one-third full at the time and burned throughout the night at the rate of about 150 barrels an hour. The fire was extinguished at 4:15 p.m. the next day.
Grayson Co.	14	2:00 p	?	?	0	1	?	?	Windstorm
									Thunderstorm winds damaged about 30 residences, 12 business buildings, and several barns in Grayson County. One 11-year old girl received minor injuries when the family trailer house overturned at Gunter. Heaviest damage in Gunter was to the Gunter Lumber Company. At the Corps of Engineer area at Denison Dam a 100-by-30-foot sheet metal storage building was blown away. Officials at the dam said that the winds covered a small path about 200 feet wide.
Lake Whitney Bosque Co.	14	2:08 p							Funnel aloft
Williamson Co.	15		1 1/2	*1	0	0	0	?	Hailstorm, wind, rain
									Hail, wind, and rain completely destroyed about 1000 acres of cotton and milo in the Hutto area of Williamson County. According to the County Agricultural Agent, a strip about a mile wide and a mile and a half long had every single stalk of living vegetation obliterated. The area was about 50-50 in cotton and maize. A strip of estimated 3,500 acres also was heavily damaged to the north and northwest of Granger.
Dallas Dallas Co.	15	afternoon	?	?	0	0	5	0	Heavy rain
									Heavy rain fell in the downtown Dallas area shortly after noon damaging several buildings. Water collected on the roof of the Firststone Store at 1701 Harwood, causing it to collapse over the building's appliance showroom. Damage was estimated at \$50,000. Water damage in the jail portion of the new Dallas County Government Center was estimated at \$3,000.
Texas City Galveston Co.	15	?			0	0	?	0	Lightning
									A 120,000 barrel oil tank was ignited by lightning at the American Oil Company refinery. The blaze was extinguished an hour later by plant firemen using a foam fire fighting material.
Alpine Brewster Co.	19	1:10 p	?	?	0	0	4	0	Windstorm
									Two new mobile homes were demolished and a third overturned at the new Roadrunner Trailer Park 2 1/2 miles west of Alpine when struck by strong thunderstorm winds. Property damage was estimated at \$10,000.
E Nazareth Castro Co.	23	night							Funnel aloft

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JULY 1965

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
TEXAS (Cont'd.)										
Garsa Little Elm Lake Denton Co.	25	2:30 p	7	2	3	0	5	0	0	Windstorm
Thunderstorm winds capsized boats drowning three persons, and destroyed a boathouse in the Dallas lakes area. Three Negroes drowned when the wind overturned their boat on Garsa Little Elm Lake. Damage to boats and boathouses at the Lakeview Marina was estimated at more than \$10,000. Winds were estimated at 75 miles per hour.										
2 W Sudan Lamb Co.	28	3:00 p	?	?	0	0	0	0	0	Tornado, funnel aloft
A tornado snaked across open farm land owned by Paul Chism about two miles west of Sudan but caused no damage. It was accompanied by a second funnel which remained aloft but hovered only a few feet above ground.										
UTAH										
Vivian Park	9	3:45 PM	1/3	20	0	0	3	2	0	Tornado
Two small funnels were observed to combine and then drop down into the resort area between cabins. The tornado broke off trees up to two feet in diameter, tipped a large tent and knocked over the wife of the manager of a trailer court. No injuries were reported. There was relatively small damage to homes and trailers caused by trees falling against them.										
Utah County	18	Late afternoon and evening			0	0	5	3	0	Heavy rains and flash floods
A series of heavy thunderstorms brought local areas of serious flooding in Utah County. Two areas most seriously damaged were Timpanogos Camp National Monument and farm land some 10 miles north of Elberta. Floods in the Elberta Area washed across highways and damaged some crops. Flooding in Timpanogos National Monument caused by rains of over 2.40 inches in one hour resulted in two landslides which blocked the creek and diverted it into the home of the superintendent. Floods also washed out several hundred yards of paved highway, several foot bridges and trails. Damage in the monument area was estimated at over \$100,000.										
Utah, Salt Lake, Davis and Weber Counties	30	Afternoon and evening			0	0	5	3	0	Heavy rains and flash floods
A series of heavy thunderstorms against the western slopes of the Wasatch Mountains resulted in several flash floods which did considerable damage. The area of greatest damage was between 33rd South and 55th South in Salt Lake County where over \$200,000 damage to homes, curbs and gutters and highways was reported. The flood resulted from some two to three inches of rain falling in narrow Meffe Canyon which carried the mud and water into an expensive residential area.										
VERMONT										
Brattleboro	14	Evening			0	0	4	2	0	Wind, rain, lightning
Most violent damage at 5:35 p.m. by locally termed "minor twister." Localized nature of severe damage path was typical of a small tornado, but no conclusive evidence available. Lesser wind felled trees and limbs in many parts of the city and caused other widespread but mostly minor damage. Hundreds of homes were without electric service for periods up to five hours as falling trees took lines down. Many phone outages were due to wet cables. Rainfall briefly approaching cloudburst intensity caused local flooding as drains became clogged by debris. Some utility and other damage by lightning. Many gardens were flattened by wind.										
U.S. VIRGIN IS.										
None reported										
VIRGINIA										
Westmoreland County	1	Aftn.								Hail
Hail, 3/4 inch size reported to have fallen for about 10 minutes with no damage.										
Northern Fairfax County	3	2:11 p.								Hail and wind
3/4 inch hail measured at McLean. Hail was associated with an isolated heavy thunderstorm which moved northwest to southeast across the county. Major damage from high winds was confined to Metropolitan D.C. area.										
Richmond	25	Aftn.			0	2	0	3	0	Rain and lightning
Some flash flooding occurred in the western section of the city mostly in the Willow Lawn area. Two persons had to be rescued from stranded automobiles and another automobile was partly inundated in an underpass. Several basements and lawns were partly flooded and flooded streets disrupted traffic flow. Rainfall ranged from 2 to 4 inches in the area. Lightning strikes, struck and injured two persons, caused major fire damage to one home and minor damage to four others, disrupted electrical power, and burned up a radio stations transmitter.										
VIRGINIA (Cont'd.)										
Pittsylvania County	25	Aftn.	3	880			0	0	0	Hail and lightning
Hail shredded tobacco fields on 12 to 15 farms North and East of Chatham. 100% loss was reported on several farms. At Chatham, high winds toppled an oak tree which struck and damaged an automobile and lightning set afire a church.										
Danville, Pittsylvania County	26							5	3	Rain and lightning
A city prison farm burned to the ground after being struck by lightning. Loss estimated at 20 to 25,000 dollars with 12,000 bales of hay and some farm equipment destroyed. Lightning started minor fires in numerous homes in the area. Flash flooding occurred from heavy rain with many home basements flooded including the basement of a high school. About a dozen downtown business firms also had flooded basements. A 25 to 500 foot section of a city street was undermined and water washed out part of a wall of a municipal parking lot.										
WASHINGTON										
Entire State	25-27				0	0	4	3	0	Thunderstorms
Thunderstorm activity from the 25th through 27th resulted in numerous forest fires in the Cascades and eastern section of the State. The most intense thunderstorm activity occurred on the 26th. West of the Cascades, lightning resulted in minor damage to property in several localities. East of the Cascades, high winds in the Yakima valley and other localities caused some damage to property and fruit. In Spokane, unusually heavy rainfall, estimated 2 inches or more in 45 minutes, in some localities of the city resulted in basements flooding and damage to other property in low areas.										
WEST VIRGINIA										
Huntington	9	6:20 p.m.			0	0	3	0	0	Lightning
A Confederate War memorial statue was destroyed by a lightning-shattered tree.										
near Fairmont	9	8:10 p.m.			0	0	2	0	0	Lightning
Lightning struck a house and started a fire.										
Huntington	10	morning			0	0	3	0	0	"
Power Co. substation hit by lightning.										
Masontown	14	3 p.m.			0	0	2	0	0	"
Lightning hit the chimney of a school.										
Harrisville	18	2:15 p.m.			0	0	3	0	0	"
Lightning hit an unoccupied home.										
St. Albans	23	8 a.m.			0	1	0	0	0	"
A man was knocked unconscious while putting fuel into a truck at a service station.										
Morgantown	24	9 p.m.			0	0	3	0	0	Lightning
Lightning struck the main electrical system of a large coal mine, knocking out the ventilating system, allowing a fire which killed two men, to burn unchecked.										
Fairmont	24	8 p.m.			0	0	3	0	0	Lightning
Lightning hit a house and started a fire.										
near Middlebourne	24	7 p.m.			0	0	3	3	0	"
Fires started by lightning destroyed a church, two barns, and over 3000 bales of hay.										
Summersville	31	7 p.m.			0	0	2	0	0	Lightning
A bolt of lightning hit the bell tower of the Nicholas County courthouse, knocking the bell down and causing structural damage to the courthouse. A car was damaged by flying debris.										
WISCONSIN										
Calumet County	8	5:00 PM	3	100	0	0	4	0	0	Tornado
Sherwood area. Began near Lake Winnebago and traveled toward northeast.										
Cornell	8	Afternoon			0	0				Hail
Diameter up to 1-1/2 inches										
Milwaukee 10 NE	13	4:32 PM			0	0				Hail
Diameter up to 3/4 inch										
Kenosha 10 NW	13	5:40 PM			0	0				Hail
Diameter up to 3/4 inch										
Near Cumberland	15	evening			0	0	0	5	0	Hail
Diameter up to 3 inches. About 100 acres of peas destroyed.										
Danbury	15	4:00 PM			0	0				Hail
Diameter up to 1 1/4 inches.										
Brule Ranger Station	15	5:00 PM			0	0				Hail
Diameter up to 1 inch.										
Sparta 10 N	15	7:40 PM			0	0				Funnel
River Falls 5 SE	15	8:00 PM								Tornado
Touched down 4 miles southeast of Caterack										
Near Sparta	15	8:12 PM			0	0				Tornado
Touched down 4 miles southeast of Caterack										
LaCrosse 5 N	15	10:32 PM								Funnel
LaCrosse 20 W	15	10:32 PM								Funnel

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					KILLED	INURED	PROPERTY	CROPS	
WISCONSIN (Cont'd.)									
Thorp	16	10:00 PM			0	0	4	4	Hail
		Fell on strip 2 miles wide and 8 miles long.							
Cumberland SE	16	5-6 PM			0	0	3	4	Hail
		Strip 1/2 mile by 6 miles. Hail 1 inch in diameter.							
Northern and Central Counties	23	afternoon & evening					5	5	Wind, Hail
		1-1/2 inch hail at Rice Lake, 3-1/2 inch hail near Baron. Squal line crossed state.							
Eau Claire 28 SE	23	5:13 PM							Funnel
Marshfield	23	5:23 PM							Funnel
Wisconsin Rapids	23	6:15 PM							Funnel
Wausau 5 1/2 SW	23	9:12 PM			0	0			Tornado
		Touch down							
WYOMING									
Riverton 25 NW	2	4:00 p.			0	0	*5	C	Rain and hail.
		Thunderstorms producing heavy rains and hail up to 1/4 inch in diameter caused considerable crop loss in the irrigation district between Diversion Dam and Crow Creek. Damage by hail to windbreaks and farm buildings was also noted.							
Lance Creek	2	Midmorning			0	0	*4	C	Hail.
		1-inch hail did damage to crops, gardens, trees and roofs.							
Lance Creek	5	2:15 p.							Funnel aloft.
		Residents reported sighting a funnel aloft which apparently did not touch ground, no damage was reported.							
Niobrara County	5	Afternoon			0	0	*4	C	Hail
		Up to 1 1/2-inch hail did damage to crops, trees, gardens and roofs in the Kirtley and Hat Creek areas.							
Cheyenne 15 N	5	11:58 a.							Funnel aloft.
		Weather Bureau reported a funnel aloft lasting until 12:04 p., did not touch ground.							
Moskee	12	5:15 p.	20	800	0	0	0	5	Tornado.
		A tornado cut a swath about 1/2 mile wide and 20 miles long through the Black Hills National Forest, touching down about 4 miles southwest of Moskee and travelling easterly.							
Hoorcroft 6 N	12				0	0	*4	C	Hail.
		1 1/2-inch hail destroyed crops and forage over about 15 square miles. Homes and trees were also damaged.							
Pine Bluffs 15 WW	13	6:40 p.	?	?	0	0	*2	C	Tornado.
		Tornado touched down, did some damage to crops and Air Force sites.							
Cheyenne 35 E	18	2:06 p.	?	?	0	0	0	0	Tornadoes.
		Two tornadoes reported by Denver, Colorado radar, no reports of damage.							
Buffalo 15 SE	27	5:15 p.			0	0	*4	C	Rain and hail.
		Rains of 2 to 3 inches with some 1-inch hail did damage to crops and irrigation structures, caused flooding along Crazy Woman Creek.							
Sheridan County	27	Late afternoon			0	0	*5	C	Rain and hail.
		Heavy rains and some 1 1/2-inch hail caused considerable damage to crops and property east and southeast of Sheridan. Hardest hit were the Cat and Clear Creek areas.							

° 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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