

U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, Secretary

WEATHER BUREAU

F. W. Reichelderfer, Chief

STORM DATA

AUGUST 1962

Volume 4 No. 8



ASHEVILLE: 1962

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1962

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM				
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS					
ALABAMA										DELAWARE													
Grove Hill, Clarke County	7	Afternoon				1			Electrical	FLORIDA													
North Alabama	7	Evening					5	4	Wind, electrical	Jacksonville Duval Co.	1	5:00 p.							Funnel cloud				
Fort McClellan, Calhoun County	14	3:15 p.m.				1			Electrical	Pt. George Island Duval Co.	1	Afternoon			1	1			Lightning				
Greensboro, Hale County	15	2:30 p.m.					5		Electrical	Cocoa Beach Brevard Co.	2	3:00 p.							Waterspout				
Goodway, Monroe County	16	2:00 p.m.				3			Electrical	Pt. Myers Lee Co.	3	Afternoon							Waterspout				
Calera, Shelby County	19	2:15 p.m.			1	2	3		Wind	Stuart Martin Co.	3	Afternoon							Funnel cloud				
ALASKA									No report received by printing deadline.	Lake Kerr Marion Co.	7	4:00 p.			1	0			Lightning				
ARIZONA										West Palm Beach Palm Beach Co.	7	1:23 p.							Funnel cloud				
Near Yacacho	14	7:15 p.			1	0	1	0	Lightning	Kendall Dade Co.	13	7:00 a.							Funnel cloud				
Tucson	15	9:00 p.			1	0	3	0	Lightning	Seffner Hillsborough Co.	15	Afternoon			1	0			Lightning				
ARKANSAS										Tampa Hillsborough Co.	16	Afternoon							Funnel cloud				
CALIFORNIA										Davie Broward Co.	18	3:10 p.	Short narrow	0	0	0	0	0	Tornado				
Northern California	7-8				0	0	4	4	Rain and lightning	Orlando Orange Co.	20	Morning			1	0			Wind				
Palo Verde Valley	17	5 p.m.			0	1	5	3	Wind and hail.	Jacksonville Beach Duval Co.	23	9:30 a.							Waterspout (2)				
Gold Lake	20				1	3	0	0	Lightning.	St. Augustine St. Johns Co.	23	9:45 a.							Waterspout building				
COLORADO										Ponte Vedra Beach St. Johns Co.	23	Morning			1				Lightning				
Weld County	1	Night			0	0	4	4	Heavy rain, lightning, wind & hail	Daytona Beach Volusia Co.	23	Afternoon			0	1			Lightning				
Lincoln County	13	Afternoon			0	0	0	4	Hail	Lightning injured patrolman investigating traffic accident	24	3:52 p.							Waterspout				
Baca or Prowers County	14	4:15 PM			0	0			Funnel clouds	Vero Beach Indian River Co.	24	3:52 p.							Waterspout				
Boulder County	23	Afternoon			0	0	4	0	Lightning	West Palm Beach Palm Beach Co.	26	12:39 p.							Funnel cloud				
Weld County	30	Midnight			0	0	0	4	Hail	Salt Springs Marion Co.	28	Afternoon			0	1			Lightning				
CONNECTICUT										Lightning injured fisherman in boat													
Norwalk, Fairfield County	7	PM			0	1	0	0	Lightning	GEORGIA													
Torrington, Litchfield County; Granby, Simsbury, Bloomfield, East Granby, Windsor, Windsor Locks, East Windsor, Enfield in Hartford County; Somers, Stafford Springs, Rockville in Tolland County	17	PM			0	0	4	6	Thunderstorms	Colquitt and Brooks Counties	1	p.m.			0	0	3	3	Hail, wind and lightning				
										Jackson County, 6 mi. S. Athens	5	5:30 p.			0	0	4	0	Wind				
										North and Central	7-8				0	1	5	0	Wind and lightning				
										Severe thunderstorms hit several northwestern and central counties during the nights of the 7th and 8th, and on the afternoon of the 8th. Lightning started fires damaged or destroyed several buildings, including two commercial plants in Monticello, with resulting heavy damage. Varying amounts of wind damage were reported in Troup, Carroll, Cobb, Bibb, McPhis and Lincoln Counties. One child was injured slightly in Carroll County when parts of a tree fell into the bed in which he was sleeping.													
										North and Central	13	p.m.			0	0	4	0	Wind and lightning				
										Severe thunderstorms during afternoon and evening caused widespread wind and lightning damage in several central and north Georgia counties. The Atlanta area was hard hit and damage was also reported in Bibb, Taylor, Upson, Habersham, Jackson, Franklin and Rockdale Counties. Main damage was to roofs of homes and barns and by lightning started fires.													
										Pelham, Mitchell County		6:30 p.			0	0	4	0	Wind				
										Marlo, Chattooga County	21	p.m.			0	0	4	0	Wind				
										Thunderstorm winds heavily damaged a church and several homes.													

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1962

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
LOUISIANA (Cont'd)									
Caddo Parish	22	3:57 p. - 4:00 p.			0	0	?	7	Wind, thunderstorm
					Greater Shreveport Municipal Airport flooded since July 27; plane and pilot report 35 ENE. First tornado 9:55 p., path 1/2 mile 10-10 p. - 10:20 p., path 1/2 mile less defined, showed skips; possibly from south to north. Tornadoes moved 2.2 miles by 1/2 mile. Winds changed from SE to W and SW after tornadoes passed.				
St. Helena Parish	23	5:09 p.							Funnel cloud
					Pilot report 35 ENE Baton Rouge.				
Gulf of Mexico	25	6:00 p.							Waterspout
					Lat. 25.9° N Long. 93.1° W				
Cameron	28	9:55 p. - 10:20 p.	1/2	30-50	2	30	5	0	Tornadoes
					First tornado 9:55 p., path 1/2 mile 10-10 p. - 10:20 p., path 1/2 mile less defined, showed skips; possibly from south to north. Tornadoes moved 2.2 miles by 1/2 mile. Winds changed from SE to W and SW after tornadoes passed.				
Cameron & Calcasieu Parishes	28-29								Heavy rain
					Torrential rains fell over lower Calcasieu Basin heaviest from Lake Charles 3 and SW to coast. Greatest amount reported 22 inches for 24 hours ending 7:00 a. on 29th at Sabine National Wildlife Refuge, 8 SSW Hackberry. Cameron estimated 15 inches in about 6 hours during evening of 28th and early morning of 29th. Forced river up 3 feet (still below flood stage), but rainwater accumulated 2-3 feet, causing general flooding in city. At Lake Charles, the 24-hour amount of precipitation, 14.10 inches from noon on 28th to noon on 29th, was its greatest of record for August. Excessive fall from near 10:00 p. on 28th to 4:00 a. on 29th totaled 11.45 inches. Streets and lower sections of Lake Charles flooded by 12-18 inches rainwater.				
Cameron Parish	29	2:00 a.							Funnel aloft
					Heard and observed over Creole.				
Southwest and South Central Divisions	29	8:25 a.							Extreme turbulence aloft
					Aero commander at 7000 feet enroute Lafayette to Lake Charles unable to control aircraft.				
East Baton Rouge Parish, 17 NE Baton Rouge, 6-8 N Watson	30	3:30 p. - 3:35 p.	1	300	0	0	3	?	Tornado
					One funnel from SW, moving NE, generally 20 feet above, temporarily reached ground; heavy accompanying rain, tree tops twisted off.				
Lake Pontchartrain	31	11:10 a.							Waterspout
					10 NE New Orleans International Airport.				
MAINE									
Hartland	1	Afternoon			0	1	0	0	Electrical
					Lightning struck a 9-year-old boy, inflicting severe burns.				
Winterport	1	Afternoon			0	0	4	0	Electrical
					Lightning-started fire destroyed a large barn, a connecting shed and part of a farm home. Nine head of cattle, forty tons of hay, and farm machinery were also lost in the blaze. Lightning blew out the end of the barn and pieces of it were found 200 feet away.				
Oxford County to Piscataquis County	7	Night			0	0	4	0	Rain
					Rainfall totals up to 3 inches or more caused widespread local flooding of streets and cellars. A temporary bridge was washed out across Route 11 at Brownville. Heaviest showers occurred in the Rumford area from Mexico to Peru. In Rumford, a retaining wall, weakened by the rushing torrents of rain, crumbled and fell into a driveway, crushing a parked car. Numerous road washouts were reported in Peru and Mexico. On Falls Hill the heavy down-pour brought many stones tumbling out onto the highway. Barricades were set up to warn drivers.				
Kennebec and Androscoggin Counties	17	Afternoon			0	0	0	3	Hail
					General thundershowers were attended by hail in many parts of these counties, heart of Maine's apple growing regions. Growers reported some losses from bruised and pitted apples.				
Mayfield to Wellington	20	2:50 p.	10	50	0	0	3	0	Tornado
					Funnel cloud moved southeastward making occasional contact with the ground. Eye-witness reported seeing the funnel alternately reaching the ground then lifting. Most of its path was through timberland and many trees were twisted and broken. Roofs of a house and shed were ripped off and parts were found a quarter mile away.				
Southern and central sections	20	Afternoon			0	0	5	4	Electrical, wind, hail, rain
					Severe thunderstorms rumbled through these areas in the late afternoon damaging apple orchards, knocking out power and phones, and downing trees and large branches. In several instances, falling trees damaged houses and one home was made uninhabitable by the crushing blow. Hailstones as big as golf balls were reported in some areas. The stones, driven by high winds, rained down on apple laden trees and in some cases became embedded in the apples. One grower lost about 3000 bushels. Another orchardist reported damage to 1000 trees. Sporadic heavy rains caused local flooding and washed out sections of roads. Rain water caved in a 20-foot square section of a shoe factory roof in Freeport. Water damage affected leather goods and machinery. Numerous lightning strikes set fires and damaged homes and buildings.				
MARYLAND									
Cumberland	4	4:30 - 5:15pm			0	0	4	4	Thunderstorm, wind and hail
					The "worst hail storm in years" with hail up to 1 inch in diameter damaged peaches, corn and other crops. Wind blew down utility lines and more than 100 trees.				
Cumberland	9	6:20pm			0	1	5	2	Thunderstorm
					Minor damage was done by lightning. Major damage caused by flooding.				
MASSACHUSETTS									
Berkshire County	7	Evening			0	0	4	0	Rain
					Torrential downpours lasting for an hour or more struck many sections of the County and caused numerous road washouts and minor landslides. Hardest hit areas included Adams, Pittsfield and Great Barrington. Additional damage resulted from flooded roads, cellars and basements. Water soaked branches brushing against wires caused power and phone outages in some communities.				
Statewide	17	P.M.			0	6	5	0	Electrical, rain, wind
					A series of thunderstorms swept across the state during the afternoon and evening. In many communities the storms cut power and phone services, flooded streets and cellars, and washed out sections of roads. Numerous lightning strikes set fires and damaged homes and buildings. A girl was burned by a lightning bolt in Wakefield and 5 men were injured in Westfield when lightning struck a nearby barn. Trees were blown down by the high winds and branches littered roads in many parts of the state. Traffic was blocked or slowed and many highway accidents were attributed to the storms.				
West Dennis	19				0	0	1	0	Dust Devil
					Dust devil swept across the property of a motel. It flung several items of lawn furniture across the highway. A heavy metal umbrella was wrested out of place, carried aloft with a loud whirring sound and dropped onto electrical wires where it burned.				
Central Berkshire County	20	Early evening			0	1	4	0	Electrical, wind, rain
					Storm swept area at the dinner hour and raised havoc along its path. High winds felled trees and branches which took down utility wires. Downed wires and the resultant widespread interruptions of electrical and phone services were the major casualties of the storm. Rainfall intensity was briefly torrential. Catch basins backed up and some streets were flooded by the overflow. A lightning bolt struck a kitchen range and stunned a woman standing nearby.				
Coastal areas	28-30				0	0	5	0	Tropical Storm ALMA
					Storm skirted the coast south of New England early on the 29th, then stalled for a while southeast of Nantucket Island. This prolonged Alma's effect on the coast and maintained a nearly continuous rainfall for more than 40 hours and winds of gale force for some hours more than had been anticipated. Benefits to agriculture and water supplies in these drought areas, derived from up to 3 inches or more of rainfall, more than offset the relatively minor property damage inflicted by the storm. Tides were generally less than 2 feet higher than normal and there was little flooding of lowlands and shore roads. But huge waves pounded exposed coastal installations inflicting widespread but mostly minor damage. Major losses resulted from wind and wave action that sank more than 100 small pleasure craft. A number of cabin cruisers and smaller craft were torn from their moorings and smashed against the rocks. Inland, damage was also of a minor nature though widespread. Some trees and many branches and utility wires were downed and a number of communities suffered power and phone outages. In one instance, a 40 foot tree in Lynn damaged a house and smashed a parked car. Slipsh highways and poor visibility were blamed for numerous traffic accidents. No fatalities and only a single injury, caused by a wind-slammed door, was directly attributed to the storm.				
MICHIGAN									
Central Lower Michigan	4	1:00 a., 3:00 a.			1	1	4		Electrical
					Elderly man lost his life and his wife was injured in fire caused by lightning which completely destroyed their home 13 miles northwest of Gladwin. Another home in the rural area of Cadillac was also completely destroyed by lightning induced fire.				
Southeastern Lower Michigan	4	afternoon				1	4	C	Thunderstorms with high winds, lightning and heavy rains.
					Man injured when struck by lightning in front of his home in the Detroit area. Farm barn and contents destroyed by fire near Blissfield due to lightning. Several homes and buildings damaged by lightning induced fires. Heavy rains flooded streets and basements in the area. Dearborn area suffered the most extensive wind and flood damage.				
Beaverton	7	1:15 p.					1		Lightning
					Young boy knocked unconscious by lightning while playing in yard of rural Beaverton home. He was treated at near-by hospital.				

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS			
MICHIGAN (Cont'd) Central and Southeastern Lower Michigan	8	12:30 p. - 5:30 p.			2	5	6		Thunderstorms with high winds, hail, lightning & heavy rains.	MINNESOTA (Cont'd)										to Wadena to St. Cloud to Willmar to Alexandria. Residential areas of both Alexandria and St. Cloud hard hit. At Alexandria airport four small aircraft damaged and two one-plane hangars demolished. Peak wind gusts observed at Alexandria 96 mph and at St. Cloud 92 mph. Throughout the area 14 barns blown down as were thousands of trees. Numerous homes, cottages and cars damaged by falling trees and flying debris. Church steeples, TV antennas and hundreds of power and telephone lines downed. Hail and rain accompanied the wind. Hundreds of hail insurance claims filed by farmers. Some hail fell over Lake Minnetonka, Hennepin County. Wind and hail damage also severe in the Audette area, Lake of the Woods County, along the Canadian border.	
Flat Rock	8	3:00 p.							Funnel Aloft. Several persons witnessed funnel aloft in the vicinity of Flat Rock.	Wykoff, Fillmore County	8	7:44 a								Funnel cloud aloft. Funnel cloud observed by pilot and local resident did not touch ground. Funnel moved southeastward.	
Brighton	12	1:10 p.			1				Lightning. Seventeen year old youth killed when struck by lightning standing under a tree on a golf course near Brighton.	Rochester 129NW, Olmsted County	31	4:40 a			2	3				Hail. One inch hail reported.	
Marquette	13	evening			4				High winds. Sudden wind squalls apparently capsized sailboat on Lake Superior near Marquette drowning a Mearns man and his 3 sons. Bodies and capsized boat were recovered the following morning.	MISSISSIPPI Columbus, Lowndes County	5	3:00 p. - 5:30 p.			0	0	?	?		Heavy rain, thunderstorm. Totalled 4.04 inches; lesser amount 3/4 mi. to north.	
Southeastern Lower Michigan	16	afternoon				4			Thunderstorms with high winds & lightning. Lightning induced fires damaged several barns, homes and buildings throughout the area. High winds felled numerous trees with damage to homes and buildings. Power lines were cut disrupting service to hundreds of homes in the area.	Biloxi Yalobusha County, 1-1/2 S. Water Valley	7	11:45 a.								Waterspout	
Shelby	20	early morning				4	C		Thunderstorms with heavy rains. Rainfall amounts from 2.6" to 3.2" within the Shelby vicinity flooded roads, basements and streets with resultant heavy repair damage.	MISSOURI Mercer, Putnam, Adair, Knox, Shelby Counties	3	3:00 - 5:00 pm					4	5		Hail. Hail reported in vicinity of Princeton, Ravanna, Lucerne, Kirksville, Keina and Shelbyville during a two-hour period. Size of hail varied from 7/8 inch up to 2 inches in diameter. An estimated 8000 acres damaged by hail in Knox County alone. Funnel cloud reported visible from Shelbyville.	
Battle Creek	20	11:10 a.				4			Lightning. Lightning induced fire completely destroyed home and contents at St. Marys Lake near Battle Creek.	Northwest - East Central Missouri	4	9:00 am - late afternoon			1	4				Thunderstorms. A line of thunderstorms moved southeastward striking in the Grant City area at 9:00 am, moving to Trenton at 10:00 am, Salisbury at 11:30 am, then to Mexico and Vandalia early in the afternoon and to Washington, St. Charles and St. Louis later in the afternoon. Damage to trees, houses and farm buildings reported. A lady in Vandalia suffered burns on her arms when her home was hit by lightning.	
Lenawee and Monroe Counties	20	night				4			Thunderstorm with high winds and lightning. Farm barns, buildings and homes suffered wind damage. Numerous trees blown down. Lightning caused fires and destroyed modern farm barn and contents at West Olive and also damaged several other buildings in the two county areas.	St. Louis St. Louis County	4	2:55 pm								Funnel Aloft. Observed over Maplewood shopping center and Tower Grove Park.	
Rollin	26	5:25 p. (?)	(?)	0	0	4	0		Tornado touched down on Jeffrey farm west of Rollin destroying farm building and killing hundreds of chickens. Witnesses observed the funnel to touch down only at this location.	Columbia Boone County	4	Noon				3				Funnel Aloft. Funnel aloft observed 1 1/2 miles northeast of Columbia. Gusty winds did some damage to tents and buildings at Boone County Fairgrounds.	
MINNESOTA Polk County	3-4	Evening and early morning				4			Hail. Hall of unreported size damaged crops in western part of county.	Ballwin St. Louis County	4	2:10 pm								Funnel Aloft	
International Falls, Koochiching County	5	5 p				2			Electrical. Lightning struck and injured man and boy standing in doorway of cabin.	Central Missouri Cooper County	4	12:30 am								Hail. Hail one inch in diameter, gusty winds up to 50 miles per hour.	
Red Lake Falls (near), Red Lake County	5	8:12 p							Funnel cloud aloft. Funnel cloud reported not touching ground.	Salem Dent County	5	Evening				4				Thunderstorm. Damage to many trees, farm buildings.	
International Falls and Littlefork, Koochiching County	5	9 p				5	3		Wind. Sustained winds of 30 to 30 mph with gusts to 56 mph unroofed and damaged buildings, broke windows, smashed boats and docks, and blew down trees resulting in downed power and communication lines. Rural areas reported damage to oats crop.	Cassville, Mt. Vernon, Galena, Russell Area	9	Late Evening			3	9	4			Thunderstorm. Two persons were killed when a boat dock was torn from its moorings on Table Rock Lake. A girl was killed when a tree fell on her home near Russell. A life guard at a camp near Mt. Vernon was injured when a tree blew over. Seven other persons were injured when the boat dock overturned at Table Rock Lake.	
Central and West Central Minnesota	6	5 a			1	5	5		Wind, Hail. A squall line with average winds 35 to 50 mph and gusts to near 100 mph moved from west central Minnesota eastward into Wisconsin. Greatest wind damage occurred in the area bounded by Alexandria	Holden Johnson County	6	9:25 pm									Funnel Aloft
										Princeton Mercer County	20	1:30 pm				4				Funnel Aloft. Damage to trees and farm buildings. Some hail.	
										Springfield 14 NE Greene County	21	5:25 pm								Thunderstorm. 3/4 inch hail reported.	
										Princeton 5N Mercer County	31	12:30 am								Funnel Aloft. Reported by cooperative weather observer	

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS			
MONTANA										NEBRASKA (Cont'd)											
Baylor to Opeheim 12 SSE, Valley Co.	4	7:45 pm	40	*30	0	0	5	0	Tornado, high wind	Northwest of Omaha	29	9:39 p.			0	0	0	0	Funnel cloud		
									The tornado touched ground in the Baylor community, inflicting heavy damage to several farm buildings. It was reported that timbers from buildings were driven 2 feet into the ground. Extremely high winds were observed from Baylor to Opeheim. A peak velocity of 120 mph was observed at the Opeheim radar station. An anemometer at the sub-station Opeheim 12 SSE registered 100 mph, the top reading of the instrument. Tornado damage was estimated at \$100,000, wind damage at \$200,000.	South Omaha	30	2:40 p.					0	0	1	0	Hail
										NEVADA											
										NEW HAMPSHIRE											
Northern Phillips & Valley Counties	4	Evening	90	*40	0	0	0	5	Hail	Keene	7	PM			0	0	4	0	Rain		
									Hail was reported throughout the area, with heavy damage in the Loring, Dodson, Baylor and Opeheim communities.										Heavy downpour lasted through the afternoon and into the evening. Flooding in the city was "general." Rainfall amounted to nearly 3 inches, the heaviest in two years.		
Dovetail (location of a closed P. O.) Petroleum County	7	9:00 pm	7	21	0	0	3	0	Tornado	Plymouth	17	Evening			0	0	4	0	Electrical, wind, rain		
									The tornado covered a very small area. The roof was taken off of one building, but it did not injure the occupants.										Nearly every light in town was burned out when lightning, high winds and falling tree limbs twisted power lines and shorted feeder circuits. The storm brought hail stones up to an inch in diameter. The heavy rain flooded streets and cellars in several sections of town including the downtown area. Tree limbs, torn loose by the high winds, damaged several houses.		
Nashua (7 miles NE) Valley County	8	6:30 pm	6	?	0	0	0	5	Hail	Statewide	20	Evening			0	0	4	4	Electrical, wind, rain, hail		
									Hailstones were up to one-half inch in diameter.										Violent thunderstorms struck many parts of the state, with high winds, hail and high intensity rainfall. At Lancaster, the wind drove a heavy picnic table through the cab of a parked truck. Trees were downed in many sections damaging several houses and knocking out power and phones in many communities. At Plymouth, a trailer home was destroyed when a huge tree fell upon it. Sporadic torrential downpours washed out sections of some roads and flooded cellars, streets and underpasses. Hail damage to gardens was widespread. At Peterboro, the hailstones were like ice cubes--cubical not rounded. In several instances hail stones broke windows and pitted roofs of cars.		
Missoula Airport, Missoula County	16	6:37 pm	?	200	0	0	4	0	Down draft from thunderstorm												
									Maximum wind speed at the Weather Bureau Airport Station was 49 mph, peak gust 63 mph. There was heavy damage to parked airplanes.												
NEBRASKA										NEW JERSEY											
Southern Nebraska	2-3	7:00 p.- 2:00 a.			0	0	3	0	Hail, wind, light- ning & funnels	Oradell and Emerson, Bergen County	7	3:30 PM EDT	2 1/2 up to 250		0	0	5	0	Tornado, 2 funnels		
									High winds across all of southern Nebraska, greatest damage occurred during the early evening from Hayes Center to Alma, hail 1-3/4 diameter reported at Hayes Center. Several funnel clouds were sighted in Hayes County.										Confirmed tornado formed south-southwest corner of Borough of Oradell and moved north-northeast at a very rapid rate, terminating eastern sector of Borough of Emerson. A second funnel crossed the Oradell reservoir and joined the main funnel in the vicinity of the Emerson School. Damage comparatively minor except for new school under construction in Emerson. Roofs blown from two buildings, and in one building all four walls were blown out. Many trees uprooted, some as tall as 90 feet, with diameters to 2 1/2 feet. Trees and debris carried into the air to over 100 feet. No residences destroyed or severely damaged.		
2 miles south of Halsey	2	Afternoon, short late	200	0	0	3	0	0	Tornado, funnels	Camden and Gloucester Counties	7	2 PM to 5 PM EDT			0	0	4	0	Heavy rain		
									Three funnels sighted near Halsey. Several trees downed by tornado at Nebraska National Forest.										Four inches or more of rain fell in what the observer in Audubon, New Jersey, termed a 'cloudburst'. The rain fell faster than most storm sewers could drain off the water. Many basements, streets, and underpasses flooded.		
Thayer County	4	3:30 p.	1	600	0	0	3	0	Tornado	Camden and Gloucester Counties	9	2 PM to 5 PM EDT			0	0	4	0	Heavy rain		
									A tornado near Davenport destroyed several buildings. Small hail was reported.										More than four inches of rain fell in a repeat performance of the 'cloudburst' of August 7th. A heating gas line broke, some homes suffered cave-ins, and basements, streets and underpasses were again flooded, more seriously than on August 7th. Approaches to bridges across the Delaware River to Philadelphia were under water, delaying auto traffic two hours or more.		
Central Nebraska	6	3:00 a.- 6:00 a.	70	*30	0	0	4	5	Hail	Burlington Township, Burlington County	17	12:15 AM EDT			1	1	4	0	Lightning		
									Hail was scattered in Loup, Garfield, Custer, Valley and Greeley Counties. One area up to 5 miles wide from Constock to Ord destroyed vegetation, birds and damaged automobiles and houses.										Foreman on a dredge was killed by a lightning bolt, and another worker was injured. Some homes damaged by lightning, and electrical power service disrupted during early morning hours.		
Eastern Nebraska	9	1:00 a.- 4:00 a.	180	*80	0	0	4	4	Wind, hail, and lightning	Flemington	20	Midday			0	0	3	0	Wind, electrical		
									Wind damage was reported from Mobera to Fairbury and eastward, hail mostly in Dixon County; lightning caused extensive damage to a church steeple.										Trees and power lines damaged by high winds; some fires due to lightning strikes.		
Garden & Keith Counties	9	evening	35	*2	0	0	3	3	Hail	Flemington	21	Midday			0	0	3	0	Wind, electrical		
									Hail up to 2 inches diameter caused spotted damage.										Trees and powerlines downed by strong winds; a few fires due to electrical storm.		
Western and Central Nebraska	10	6:00 p.- midnight			0	0	5	6	Wind, hail, light- ning & funnels	Burlington County, west portion	28				0	0	4	0	Heavy rain		
									A squall line located from Valentine to southwestern Keith County at 6:00 p., moved southeastward to a line from Beatrice southwestward by midnight. Hail was scattered from Ogallala and Brule to Franklin; the largest stone was 3" in diameter. Wind damage to utility lines, TV antennae and buildings. Lightning damage was scattered. Gusts estimated to 75 miles per hour caused considerable damage at Arapahoe. Funnel clouds were sighted near Imperial and Arapahoe.												From 2 to 4 inches of rain caused flooding of streets and underpasses, and some basements.
10 miles SW Omaha	23	12:23 a.			0	0	0	0	Funnel cloud	NEW MEXICO											
Southwestern Nebraska	23	4:00 p.- 7:00 p.			0	0	4	4	Hail	Otero County	19	Afternoon			1				Electrical		
									Scattered areas from Dundy to Kearney Counties; largest stone was 2-1/2 inches diameter.										Lightning struck a tree and apparently jumped 12 feet to strike man in head, killing him instantly. The bolt burned through the man's shoes.		
North Platte	29	afternoon spot	spot		0	1	0	0	Lightning	San Miguel County	31	Morning							Funnel clouds		
									A man struck by lightning suffered burns and ruptured eardrums.										Funnel clouds reported touching ground 25 miles southwest of Las Vegas at 00:25 a.m. and 12 to 15 miles southwest of Las Vegas at 1:25 a.m. No damage was reported.		
Platte to Wayne Counties	29	7:30 p.- 9:30 p.			0	0	3	4	Wind and hail												
									Hail damage spotted from near Columbus to Carroll. Some hailstones over 2 inches diameter. Equipment at Platte County fairgrounds damaged by wind.												

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1962

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
NEW YORK										
Scattered areas across the State	4,5,6,7				1	1	5		Thunderstorms, heavy rain, high winds	
	Severe localized thunderstorms occurred daily during the four-day period with heavy flood-producing rains, near tornadic type winds and lightning-caused fires. The storms occurred mainly in the afternoon and evening hours. Storms were unusually severe in the following areas: Southern Ontario and Livingston counties where flooding was severe from torrential downpours in excess of 5 inches in a brief period of time; Ontario County suffered hail and lightning loss; Sullivan County reported winds up to 70 mph; Watertown received wind and heavy rain damage; the Rochester area and nearby communities had lightning, wind and heavy rain damage; Hammondsport reported lightning damage; Ogdensburg and Watertown areas had heavy rains, producing flooding, with hail and lightning damage. Near Long Island a woman drowned when the storm struck the boat in which she was a passenger (on the 7th). At New York City, on the 7th, a boy was struck by lightning and injured while washing a car. Heavy rains occurred in Westchester County, Poughkeepsie area, Saratoga and Nanakona with amounts between 2 and 4 1/2 inches.									
New York City area	17	Late afternoon					4		Thunderstorm, hail, wind, funnel cloud	
	Severe thunderstorm with hail, strong damaging winds, lightning-caused fires and widespread surface flooding due to unusually heavy rain in brief period of time. Staten Island area reported funnel cloud over Bay and one-inch hail.									
Troy area	17	2-3:30 pm					4		Thunderstorm, hail, wind	
	Severe thunderstorm with heavy rain, hail and damaging winds with widespread street flooding in the city.									
Scattered areas across the State	20						5		Thunderstorms, hail, wind	
	Severe scattered thunderstorms with hail, wind and lightning damages occurred mainly during the late afternoon and evening hours at Plattsburg, Walton, Poughkeepsie, Newburgh, Malone, Saranac Lake, Buffalo and other scattered areas across the State.									
NORTH CAROLINA										
New Hanover, Orange Counties	3	4-7pm			0	0	4	4	Electrical, Hail	
	Power and communications lines hit, several transformers burned out by lightning. Hail damaged tobacco in parts of Orange County.									
Buncombe, Macon, Madison, McDowell, Robeson, Swain Counties	6	5-7pm			0	2	4	4	Electrical, Wind, Hail	
	Two highway workmen injured by lightning in Robeson County. Widespread thunderstorms caused damaging winds in many local areas, blowing down trees, damaging roofs and power lines. Hail damaged crops in three counties.									
Buncombe, Macon, Madison, McDowell, Robeson, Swain, Wilkes Counties	7	5-7pm			0	1	4	4	Electrical, Wind, Hail	
	Storms similar to those of the 6th struck a similar area. Boy injured when lightning struck tobacco barn in Robeson County.									
Surry County	8	8 pm					0	5	Hail	
	Hail ranging from 1/4 inch to 2 inches in diameter damaged crops over parts of a 15 square mile area.									
Orange County	9	early am					4	4	Wind, Hail	
	Violent winds uprooted large trees and unroofed outbuildings. Hail and wind damaged tobacco in fields.									
Buncombe, Cherokee Counties	13	morning & early afternoon					4	4	Electrical, Hail	
	Lightning damaged one home, several business buildings; disrupted power and communications lines. Hail damaged tobacco and vegetable crops.									
Anson, Cleveland, Forsyth, Guilford, Lincoln, Mecklenburg, Randolph, Rockingham Counties	16	aftn & evening			0	1	4	0	Electrical, Wind	
	Widespread thunderstorms caused numerous cases of lightning damage, one of which injured a workman in a textile plant. Winds damaged roofs and blew down a cement block wall.									
Mecklenburg, Rowan, Wilson Counties	17	night					5	0	Electrical	
	Lightning-set fires destroyed a commercial building and several tobacco barns; lightning hit and damaged a commercial radio transmitter.									
Cabarrus, Carteret, Caswell, Rockingham, Stmly, Surry, Vance Counties	21	aftn					4	5	Electrical, Wind, Hail	
	Widespread thunderstorms, with several cases of lightning-set fires and direct damage from lightning striking buildings and power facilities. Hail and wind damaged tobacco crop several areas.									
NORTH CAROLINA (Cont'd)										
Coast	27-28						0	0	3 4	Wind, Rain
	Tropical storm Alma passed with only minor damage.									
NORTH DAKOTA										
Oliver, Ward and McLean Counties	3	4:00PM					0	0	0 4	Hailstorm
	Hail as large as tea cups reported in an intermittent area from Garrison to Ryder.									
Grafton	5	3:30PM	1/4	400			0	0	0 3	Tornado
	Tornado touched down in a field.									
Western Hettinger County	8	Night					0	0	3 4	Hailstorm
	Hailstones up to three inches in diameter.									
Devils Lake	10	8:30PM					0	0	0 0	Tornado
	Tornado touched down 13 miles west of Devils Lake.									
10 miles west of New Salem	10	3:30PM								Funnel Cloud
Velva	10	7:30PM					3	0	6 0	Heavy rain and flash flooding
	Heavy rain up to six inches south of Velva caused flash flooding. Water rose to 3 to 5 feet in many homes, many cars washed off the highway, section of railroad track washed out.									
Fortuna	18	Evening					0	0	3 3	Tornado
	Tornado touched down on a farm near Fortuna.									
Washburn	21	Evening					0	0	4 3	Tornado
	Tornado demolished airplane hangar and damaged three airplanes.									
20 east of Bismarck	21	4:45PM								Funnel Cloud
Rugby area	22	Night					0	0	4 0	Winstorm
25 miles northwest of Fargo	28	4:05								Funnel Cloud
OHIO										
Sandusky	8	8 PM	40	* 5	0	?	?	?	4	Hailstorm
	A heavy thunderstorm accompanied by hail, some stones up to golf-ball size, caused extensive damage to trees, windows, etc. along a path from Marblehead Peninsula to just north of Norwalk. After the storm drifts of hail were seen 3-4 inches deep. Most damage was done to crops such as tomatoes, sweetcorn, and fruits.									
Tiffin	8	5 PM	10	2500	0	1	5	5		Thunderstorm
	A severe thunderstorm struck in the Tiffin area with hail, in late afternoon inflicting wind and hail damage to roofs, trees, and utility lines. Hail damage was most severe in the Bettleville area, some stones attaining 1" diameter. Among buildings damaged was fair grounds dining hall.									
Toledo	8	4 PM	10	Narrow	0	0	%		C	Thunderstorm Winds
	A squall-line thunderstorm hit hardest in Maumee, Perrysburg, and southern edge of Toledo. Principal wind damage was to utility lines, trees, gardens, and field crops in the area.									
Mansfield	8	9:30 PM	?	?	0	1	5	4		Thunderstorm with hail
	Heavy thunderstorm winds struck the Richland County Fair during the evening. Several tents were blown down, damaging contents; and the crowd was soaked. Trees and utility lines in the area broke down. At Charles Hill reservoir hail with stones up to 1 1/2" diameter fell ruining gardens and knocking shingles from roofs.									
	The above are examples of damage caused by squall-line thunderstorms which struck during late afternoon and evening in northern Ohio. Among other communities reporting similar experiences were Bucyrus, Iberia, Oberlin, Fremont, Wollington, most of them reporting large hail. Less severe damage was done in central counties, notably at Newark, New Lexington, and Miamisburg.									
Cleveland	20	9:30 PM	1/2	500	4	20	%	C		Tornado
	As a squall-line thunderstorm passed eastward over the Cleveland area a funnel dipped to roof level in the vicinity of Detroit Ave. and West 92nd Street. In an area some 6 blocks long and 2 blocks wide there was considerable damage to roofs, trees, etc. Most severe damage occurred as a large water tower atop a 5-story factory was toppled on the roof and crashed through the 5 floors to ground level. 3 employees were killed and at least 4 others injured. Cyclonic wind motion was definitely established.									
	As the thunderstorm proceeded over greater Cleveland minor damage was reported until it reached Shaker Heights. There tornadic action apparently resumed. At least one house was unroofed, and many trees uprooted along a path from near Fairmount Reservoir to Warrensville Center Road. Utility lines were downed, and one man was electrocuted on contact with a live wire.									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

AUGUST 1962

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA Billings Area, Noble County	1	1:00 p.	Short	Narrow	0	0	0	0	Tornado, funnel aloft	PUERTO RICO	22	1:00 p. - midnight					4		Heavy rains
			Pilot reported sighting one tornado momentarily on the ground, and a second funnel which remained aloft. Report received by Ponca City Airport with no damage reported.										Heavy rains produced flooding of river banks in the southeastern coastal section of the Island. There was no loss of life reported. Heavy showers and thundershowers persisted in the area despite the passage of a easterly wave 36 hours earlier. The wave later developed into Tropical Storm Alma near the Florida coast.						
Forum 5NE, Muskogee County	8	5:00 p.	Short	Narrow	0	0	0	0	Tornado	RHODE ISLAND									None reported
			Several persons watched a tornado dip down out of a thundercloud and touch ground momentarily on a wooded hill. After a few moments, it then disappeared back into the cloud base with no damage reported.									SOUTH CAROLINA Antioch Section, Darlington County							
Guymon, Texas County	12	6:30 p.-6:40 p.	1 1/2	*1 1/2	0	0	?	?	Hail		9	Afternoon			0	0	0	3	Hail
			Hailstones of 1-1/2 to 1-3/4 inches in diameter covered ground. Only a few cars were dented slightly since hail was soft.									Hail 3/4" diameter in a small area.							
Guymon 10NE, Texas County	12	7:20 p.	?	?	0	0	?	?	Hail		17	11:30 a.	1 1/2		0	0	4	0	Tornado
			Some hail fell with stones up to 1-1/2 inches in diameter.									Was accompanied by noise resembling that of a freight train. There was light hail and heavy rain.							
Fort Supply, Woodward County	16	7:30 p.-7:40 p.	1 1/2	*1	0	0	2	0	Hail		26-27	Through most of the period			0	0			Tropical storm
			Hailstones 1-1/4 to 1-3/4 inches in diameter covered most of ground in area. Several store roofs were damaged and one car windshield broken.									Tropical Storm Alma moved approximately northeastward some distance off the shore of South Carolina, causing fresh winds and some heavy to excessive rains along the coast. Damage was not significant.							
McAlester 5E, Pittsburg County	29	1:38 p.-1:41 p.			0	0	0	0	Funnel cloud	SOUTH DAKOTA	1	1:15 - 1:45 p.							Funnel cloud
			Funnel cloud sighted moving north as it returned to the cloud base.									S of Ardmore in Nebr.							
Keys 5W, Cimarron County	30	7:00 p.	Short	Narrow	0	0	4	0	Tornado		2	3:07 p.							Funnel cloud
			Tornado struck a drilling site heavily damaging a drilling rig full of pipe when it was knocked over, exploded one trailer house, and blew over a second trailer house nearby.									35 S Rapid City							
Seminole 11NE, Seminole County	31	Afternoon			0	0	4	0	Electrical		6	3:15 a.	?	?	0	?	5	2	Tornado
			Lightning struck and burned a barn and its contents of 3,400 bales of hay.									All windows on 4 sides of a house blown outward.							
OREGON			None reported									NRN Faulk, Portions of Spink, NRN Clark, Day, NRN Codrington, and NRN Grant counties							
PENNSYLVANIA												6 early a. 80 *30 0 ? *6 C Wind, hail, rain							
Western Counties	5	Afternoon & Evening			1		5		Thunderstorms		6	early a. 80 *30 0 ? *6 C							Wind, hail, rain
			Lightning fired and destroyed barns in several areas destroying structures and contents. A golfer was killed near Warrendale when struck by lightning.									Wind damaged farm buildings and hail damaged crops over large area. Wind also damaged many homes and business buildings in towns of this area.							
Lebanon & Northampton Counties	6	Afternoon					4		Thunderstorms		6	4:08 p.							Funnel cloud
			Lightning fired and destroyed a barn and contents near Nazareth, with loss estimated at \$4,000. Eight cows were killed by lightning near Kleinfeltersville.									Isabel and Glad Valley Area							
Pittsburgh & Beaver Falls	8	Evening					4		Thunderstorms		8	6:15 - 6:45 p.	30	*24	0	0	4	5	Hail
			Strong winds broke a number of plate glass windows in the Pittsburgh area. Lightning fired and destroyed a barn near Beaver Falls.									Hail size averaged 1 1/2 in. with largest 3 in.							
Beaver Falls, Central and Southeastern Counties	12	Evening & Night			2		5		Thunderstorms		8-9	Late 8th Early 9th	110	*25-35	0	?	*6	C	Wind, hail, rain
			Lightning fired a home and several barns in various sections of the area. Four cows were killed by lightning near Pleasant Corner. Strong wind from thunderstorms resulted in extensive damage in parts of central and southeastern counties. At Cooco Hills \$5000 damage resulted when a ferris wheel toppled, while nearby a barn and garage collapsed from the high wind. At the Carlisle Airport a hangar was blown down with damage to building and airplanes stored inside estimated at \$50,000. In upper Bucks County 3 large circus-type tents were flattened by 80 mph winds and several roads made temporarily impassable by fallen trees, also two men were injured by fallen debris. In Northampton County a frame storage shed was moved about 75 feet and demolished by the wind. Walls of several buildings including a church and school, were also shoved inward and a few house trailers were turned over. Hail measuring up to 1 to 2 inches accompanied the thunderstorm in Philadelphia and Carlisle and broke many windows. In parts of the communities, streets and lawns were covered for a time by the stones.									Wind damaged homes, business and farm buildings. Hail damaged some crops in this area. A training school suffered \$100,000 damage at Plankinton where 3 persons were injured and hospitalized. Storm moved from NW to SE.							
Near Lititz	21	9 A.M.					4		Thunderstorms		9	4:00 - 4:30 p.	10	20	0	0	2	3	Tornado
			Lightning fired and destroyed a barn and contents with damage estimated at \$35,000.									Damage mostly to crops. Moved from SW to NE.							
												5 S Winner							
												Enning and vicinity							
												14 2:00 - 4:00 p. Hail covered ground up to 3 inches deep. Size averaged 1 1/4 in. with largest 2 in. Moved from SW to SE.							
												TENNESSEE East Tennessee and Cumberland Plateau							
												6 4:00 p.-midnight Numerous heavy thunderstorms developed over the area moving generally east-northeast and intensifying. Strong gusty winds varying from 45 miles per hour to an estimated 90 miles per hour were reported in several localities. Heaviest damage was in Middle East Tennessee. At Knoxville an Electra turbo jet crashed and caught fire when blown off the runway during landing. Only injuries reported among the 71 aboard were a broken foot suffered by a woman and a minor knee injury to her daughter. Wind also damaged buildings, roofs, windows, trees, utility lines, automobiles, and did various miscellaneous damage. A spectacular and vivid lightning display, reported from many areas, started numerous fires, split trees, and extensively damaged transformers. An airline employee at Knoxville and a small boy at Clarkrange were knocked unconscious when struck by lightning. A man, sitting under a tree, was knocked down and injured slightly when lightning struck the tree. Heavy wind and hail did extensive damage to tobacco, corn, and other crops. Hail, in spotty areas, varied in size from 1/4 to 1 1/4 inches in diameter.							
												Central and Southeast Tennessee							
												7 Morning A line of severe thunderstorms moved diagonally southeastward across Central and East Tennessee accompanied by gale force winds. Heaviest damage was generally along a broad path from the Clarksville area through the Nashville area to the area of Chattanooga. Ripe and brittle tobacco was severely damaged, in some cases entire crops were reported wiped out, and other crops were blown down. Strong winds with gusts up to 58 miles per hour, also uprooted trees and damaged utility lines, automobiles, roofs, buildings, and TV antennas. Several extensive fires and other damage was attributed to lightning strikes. Damage by wind approximately 95% of total, by lightning 5%.							

See reference notes at end of table.

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AUGUST 1962

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					KILLED	INURED	PROPERTY	CROPS	
TENNESSEE (cont'd)									
Central and Southeast Tennessee	7	Late Afternoon and Night			1	4	5		Wind, hail, and lightning
									Severe thunderstorms over the area with strong winds, lightning, and hail did extensive damage. Wind gusts, which were measured at 55 miles per hour at Shelbyville and 54 miles per hour at Chattanooga, uprooted trees, damaged utility lines, chimneys, roofs, automobiles, and buildings, broke windows, and damaged tobacco, corn and other crops. A man was seriously cut by flying glass from a broken plate glass window in Shelbyville. Hail severely damaged crops in several areas. Hail was reported as large as golf balls at Salem in Montgomery County, and as large as eggs in parts of McMinn County. Lightning killed cattle, started fires, and damaged transformers, trees, and buildings.
Sullivan County	21	4:30-5:30 p.			1	3	4		Wind, hail, and lightning
									During heavy thunderstorms, strong winds, with gusts recorded at 58 miles per hour, uprooted trees, broke windows, and damaged utility lines in scattered areas. Hail damaged tobacco and other crops in the Adams Chapel section. Lightning started a fire which extensively damaged a house in Blountsville. A woman received a minor ear injury while talking on a telephone through struck by lightning at Holston Valley.
Ardmore Area, Giles County	22	Afternoon			1	3	2		Wind
									Strong winds, during thunderstorms, damaged trees, television antennas, and crops. A woman received a slight arm injury when a house trailer was blown over.
Memphis, Shelby County	22	Late Afternoon				4			Lightning
									Lightning, during a severe electrical storm, blew hundreds of transformers and fuses, sliced 6 high voltage lines and struck numerous trees.
Memphis, Shelby County	24	Afternoon			1				Lightning
									A woman was knocked unconscious and received minor injuries from lightning which struck a nearby tree.
TEXAS									
1 N Midland Midland County	1	5:15 p	?	?	0	0	?	?	Tornado
									A tornado one mile northwest of Midland unroofed a barn and snapped power lines. Twister moved from south to north.
Richland Hills Tarrant County	1 & 2	night and morning	?	?	0	0	5	?	Heavy rain
									Heavy rains during thunderstorms caused severe flash flooding in the Richland Hills area. Lightning interrupted electric service and set afire two homes.
Mitchell County	2	afternoon	?	?	0	0	?	?	Wind, hail
									Thunderstorms with high winds heavily damaged a trailer and unroofed a barn in Mitchell County. 300 acres of cotton were destroyed by hail.
7 NW Munday Knox County	2	11:30 a	?	?	0	0	?	?	Tornado and funnel cloud
									A tornado touched ground 7 miles NW of Munday over pastureland but did no damage. A funnel cloud was sighted southeast of town at approximately the same time.
5 NE Knox City Knox County	2	11:40 a	?	?	0	0	0	0	Tornado
									A tornado in open country 5 miles northeast of Knox City did no damage.
12 SW Brownfield Terry County	3	3:15 p	?	?	2	1	0	0	Lightning
									Two brothers ages 11 and 9 were struck and killed by lightning in an open field, while running to their farm home during a violent electrical storm 12 miles southwest of Brownfield. Another boy shocked.
Beaumont Area Jefferson County	10	3:45 p	?	?	0	0	?	0	Tornado
									A tornado moved through a wrecking yard in the Vidor area. Another tornado near the Texas Brine Company on the West Beaumont-Fort Arthur Highway reported to have rolled a trailer house over five times while occupants were inside, but no injuries. Near the same time a small structure was blown across Highway 69 near the Texas Gulf Sulphur Company, blocking traffic for a short while.
Near San Augustine San Augustine Co.	10	afternoon	?	?	0	0	?	?	Tornado
									A small tornado struck and destroyed a hay barn and 2000 bales of hay on a farm east of San Augustine.
Houston Harris County	10	afternoon			1	0	?	0	Wind
									A thunderstorm with winds of 55 miles per hour blew in plate glass windows. Power lines and tree limbs were blown down. An 11-year-old girl was hit and killed by a tree limb blown down by the gusty winds.
Moody McLennan County	12	4:30 p			0	0	?	?	Hail
									A thunderstorm with golf ball size hail and gusty winds ripped the roofs off a grain office and a cafe in Moody. A barn one-half mile east of town was also unroofed. Electric service was knocked out for about 2 hours.
4 W Alvin Brazoria County	14	4:30 p			1	0	0	0	Lightning
									Lightning struck and killed a farmer 4 miles west of Alvin.
TEXAS (Cont'd)									
San Antonio Bexar County	15	2:45 p			2	1	3	0	Wind, lightning
									A severe electrical storm with high winds damaged a small area of Jefferson Village northwest of San Antonio. Two farm workers were killed by lightning in the area.
Hereford Area Deaf Smith County	15	night			0	0	?	?	Wind, hail
									A severe thunderstorm with high winds and marble-size hail struck the Hereford area shortly before midnight. Two aircraft hangars southeast of the city suffered roof damages and sections of the metal roof of the Hereford Tile and Brick Company were ripped off. Damage estimates to crops are heavy in the hail area. Some crops are a total loss.
Mission Hidalgo County	15	2:50 p	1	1/4	0	0	?	?	Tornado
									A small tornado occurred about 6 miles northwest of Mission. The storm path was from north-northeast to south-southwest and passed 1/8 mile east of Frisco O' Texas Citrus Association packing plant. Two tenant houses were destroyed and four others damaged. The storm also destroyed 1 electric power poles and 6 telephone poles with associated wires.
Highland Lakes Area Llano County	16	7:00 p	?	?	0	0	?	?	Waterspout, 3 tornadoes
									Three tornadoes and a waterspout were reported in the Highland Lakes area during the late afternoon. The first storm at Kingsland blew off roofs from a filling station and cafe and damaged several homes. Trees and power lines were knocked down. Two miles east of Kingsland another storm destroyed 10 boats and damaged a boat dock. Seven miles east of Kingsland a boat storage roof was destroyed. Several boats were damaged on Lake Buchanan and a waterspout overturned a fishing boat.
Mathis San Patricio County	20	2:00 p	?	?	0	0	?	0	Tornado
									A tornado moving south to north passed along the western edge of Mathis, completely demolishing a metal barn, wrecking a partially completed building and damaging two vehicles.
10 NW Robstown Nueces County	21	1:00 p	?	?	0	0	3	0	Tornado
									A tornado ten miles northwest of Robstown took the roof off a barn and damaged a farm house.
2 N Floresville Wilson County	21	4:30 p			1	0	0	0	Lightning
									Lightning struck and killed a farmer 2 miles north of Floresville.
Beeville Bee County	21	afternoon							2 Funnels Aloft
									Two funnels aloft sighted near Beeville.
20 W Junction Kimble County	21	4:15 p							Funnel Aloft
									Funnel aloft reported 20 miles west of Junction.
35 NW Corpus Christi	21	1:50 p							Funnel Aloft
									Funnel cloud aloft sighted 35 miles northwest of Corpus Christi.
Mathis San Patricio County	22	1:50 p							Funnel Aloft
									A funnel aloft sighted at Mathis moving west-northwest.
3 1/2 E Lometa Lampasas County	23	5:30 p			0	0	?	0	Lightning
									Lightning set afire and destroyed a home, garage and smoke-house on a farm 3 1/2 miles east of Lometa.
NE Morton Cochran County	23	4:30 p	2	1/2	0	0	0	?	Hail
									A severe hailstorm damaged 1000 acres of cotton and 300 acres of grain on farms northeast of Morton. The ground was covered with hail up to 4 inches deep in drifts.
Lewisville Denton County	24	afternoon	?	?	0	0	?	0	Tornado
									A small tornado dipped down over southeast Lewisville, destroying a garage and damaging several boats.
Corpus Christi Nueces County	25	3:00 p			1	3	0	0	Lightning
									Lightning struck and killed a sailor, and injured 3 other persons at the Corpus Christi Navy Air Station.
San Angelo Tom Green County	30	afternoon	?	?	0	3	?	0	Wind
									A severe thunderstorm with strong gusty winds damaged houses and power lines in the western section of San Angelo. Flying glass from a broken picture window injured three persons.
2 N Winters Runnels County	30	7:10 p	?	?	0	0	?	0	Tornado
									Tornado struck a farm two miles north of Winters. A garage was destroyed.
Lake Thomas Scurry County	31	6:45 p	?	?	0	0	?	0	Waterspout, Tornado
									A small tornado and waterspout occurred at Lake Thomas, 17 miles southwest of Snyder. A carport and picnic tables were destroyed. Trees were uprooted.
UTAH									
Holladay, Utah County	22	1:45 PM							Lightning
									Bolt of lightning struck an 11-year old boy who was playing football with four companions on football field. No rain occurred at the time, but lightning shredded boy's tennis shoes and burned zipper on his trousers. Other four boys were not injured.

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS		
VERMONT Windham County	6	Late afternoon			0	0	3	2	Electrical, hail	
									Severe electrical storms with scattered occurrences of hail struck the northeastern part of the County. Hailstones were reported as big as marbles. Lightning knocked out several local transformers. A sudden wind blew some large branches across the road in a few places.	
Caledonia, Lamoille and Washington Counties	7	Afternoon			0	0	5	4	Rain	
									Torrential rains caused several stone bridges to buckle and collapse and swollen streams swept away several wooden bridges. In all, 10 to 12 bridges were destroyed. Pavements near the stone bridges were crushed. Power was cut off and telephones were knocked out in the heavy rain. Additional damage resulted from flash floods, washouts of roads and gardens and widespread flooded cellars and basements. Sections of Blue Mountain Road were under six feet of water when a small brook swelled and swopped down the mountainside. Heaviest damage occurred in the South Eyegate to Grotton area.	
Northern counties	20	Afternoon (late)			0	0	5	3	Electrical, wind, rain, hail	
									Violent thunderstorms roared out of northern New York State and cut a rather narrow swath across northern Vermont. The hardest hit section was Grand Isle County although major damage also occurred in Lamoille and Essex Counties. An unofficial anemometer in the town of Grand Isle recorded winds in excess of 80 mph before it was blown away. Corn fields were flattened and trees were felled. All utility poles for more than a half mile stretch north of Grand Isle were downed. The violent winds picked a car off the road near Grand Isle and deposited it in a nearby ditch. The occupants were uninjured. Also in Grand Isle a milkroom was lifted and set down in a nearby field and a silo was tipped over. Heavy rains flooded streets and basements. Flash floods from the Lamoille River washed out roads on Route 15 between Johnson and Morrisville. In Johnson a roof was ripped from a barn and a number of secondary roads were closed due to washouts. In Essex Junction phones were out for up to 3 days. Hail reported as big as golf balls pelted the Grand Isle area for several minutes. The storm moderated somewhat crossing north-central sections of the state but renewed its fury in Essex County. In the Bloomfield area, high winds, rain, hail and lightning caused widespread damage.	
U.S. VIRGIN ISLANDS									None reported	
VIRGINIA Northern Louisa, Southern Spotsylvania, and Western Caroline Counties	9	Afternoon	?	?	0	0	5	5	Tornado, wind, hail	
									Severe thunderstorms with damaging winds and large hail brought extensive property and crop damage to the three counties. There was evidence of a tornado along a southwest to northeast line from Blue Ridge Shore Resort, Lake Louisa, to Partlow in southern Spotsylvania County. Two homes were destroyed and boats were damaged at lake resort. At Partlow nine farm buildings and a home were destroyed, and many windows were broken and houses unroofed. One inch hail was reported in western Caroline County. Property and crop damage was heaviest in Spotsylvania County, estimated near \$250,000 with \$100,000 in the Partlow area.	
Chesterfield County	9	Afternoon			0	0	?	5	Hail	
									Golf ball sized hail destroyed tobacco crops as a result of a line of thunderstorms extending from Caroline County southward into North Carolina. Lesser hail damage to crops from a thunderstorm occurred earlier in western Pittsylvania County.	
Hampton County	10	A.M.	?	?	0	0			Funnel cloud and waterspout	
									A funnel cloud was observed southeast of Langley Field moving southwest and a waterspout seven miles east was observed shortly after at 7:55 A.M. These formed along a cold front which moved offshore during the early morning hours.	
Chesapeake Bay	17	5 p.m.	?	?	0	0			Waterspout	
									Waterspout was observed at mouth of Rappahannock River.	
Rockingham and Albemarle Counties	21	Afternoon			0	0	?	?	Thunderstorms, Hail	
									Large hail and some locally heavy rains occurred from scattered thunderstorms in western Virginia. Golf ball sized hail was reported near Linville and Broadway in Rockingham County and 35 miles northwest of Charlottesville in Albemarle County.	
WASHINGTON									None reported	
WEST VIRGINIA									None reported	
WISCONSIN										
Sheboygan area	3	5:30 p.m.-8:00 p.m.						4	Rain, lightning, and hail	
									3/4" hail on north side of Sheboygan.	
Mauston 4N	11	4:40 p.m.					1		Lightning	
Barron and Chippewa Counties	15	3:15 p.m.	400				4	3	Tornado	
									Moved from northwest to southeast. Either a family of tornadoes or same tornado reformed and touched down at Barron 8 NW at 3:15 p.m.; Rice Lake 12 SW at 3:30 p.m.; Bloomer 14 NE at 5:00 p.m.; Cadott 10 N at shortly after 5:00 p.m.	
Camp Mc Coy	23	Evening					2		Lightning	
Cashton Area	26	Evening					4		Lightning	
Madison 35 NE	29	9:10 p.m.							Funnel	
Chippewa and Dunn Counties	29	4:30 p.m.	25	3000			2	5	5	Hail and lightning
										Storm moved from southwest to northeast. Hail from 1" to 3" in diameter. Storm damage to crops, buildings, greenhouses, airplanes, animals. One person hurt by hail and one by lightning.
Along a line from La Crosse County to Marinette County	29	Evening					5	5	Wind, hail, lightning & rain.	
WYOMING										
Hawk Springs	1	Afternoon			0	0	0	4	Hail	
									Hail, from 4 miles north to 1 mile south of Hawk Springs, did severe damage to crops.	
Newcastle	29	Evening			0	0	4	C	Wind and hail	
									Wind and hail caused considerable damage to crops on the prairie and damage to the Newcastle airport and planes.	
ARKANSAS										
Franklin and Logan Counties	9	7:00 p.	15	880	0	0	5	4	Hail	
									Thunderstorms with hail up to 1/2 inch in diameter moved from southwest to northeast across Southeast Franklin and Northwest Logan Counties, damaging field crops and roofs of buildings.	
Smackover, Union County	20	4:20 p.			0	1	0	0	Lightning	
									One person injured when struck by lightning which entered house through antenna.	
Conway, Faulkner County	21	Afternoon			0	1	0	0	Lightning	
									One person injured when struck by lightning while working in field.	
Jacksonville, Pulaski County	24	2:30 p.			0	6	4	0	Wind and rain	
									Five persons injured when strong winds with heavy rain hit trailer park overturning two house trailers.	

- * Miles instead of yards.
- o Includes crop damage.
- C Crop damage.
- + 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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