

U. S. DEPARTMENT OF COMMERCE
FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

STORM DATA

OCTOBER 1959

Volume I No. 10



ASHEVILLE: 1959

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1959

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALASKA	28-29	2345-0600 YST							Strong windstorm associated with intense Gulf low.
	<p>The approach of an intense Gulf Low caused easterly winds to increase rapidly and back to the southeastward just before midnight, accompanied by rapidly falling pressure. Maximum gusts recorded were about 75 mph from the southeast, reached shortly before 4 a.m.</p> <p>Known damages were confined to the Yakutat Bay area. In the immediate Yakutat area a portion of the FAA hangar roof was torn away and antennae on the roof torn down. Across Yakutat Bay a barge was torn loose from its tow near the Sitkari Bluffs (near the shoreline area of Malaspina Glacier) and drifted ashore. The barge, carrying cargo valued at more than \$1,000,000, was salvaged with little or no damage to the cargo, but the barge suffered damages estimated at \$20,000. Total storm damages were in the neighborhood of \$25,000.</p>								
ARIZONA	29-30				7	50	6	6	Rain and wind
Central and eastern counties	<p>While the storm brought precipitation to most of the State, heaviest amounts fell in the central and eastern sections. Preliminary estimates of damage are about \$1,000,000 to the State cotton crop due to downgrading, with an additional \$2,000,000 to property and roads. Nearly all damage was caused by water.</p>								
CALIFORNIA	6-7						4	0	High tides and winds
Capistrano Beach	<p>Storm damaged beach homes, aquatic installations, and a trailer park.</p>								
Central and southern areas	29, 30, 31				3	6	5	5	Strong winds
	<p>Wind blew down trees, damaged power lines and buildings, and impeded traffic. Broken power lines started two forest fires. One woman was killed by a falling tree. A boy lost his life when his bicycle was blown in front of a car. The pilot was killed when a light plane crashed in the storm. Considerable damage was reported to the cotton, alfalfa seed, and dried lima bean crops. Snow fell at high elevations of the southern mountains, and one highway was temporarily closed.</p>								
COLORADO	1-3				0	1	5	C	Snow
El Paso, Fremont, Custer, Huerfano and portions of bordering counties.	<p>The snow storm which began the 28th of September continued through the first of October in the northern portion, and, as it moved southward, continued through the 3rd in the southeastern portion of the State adjacent to the mountains. Parts of El Paso, Fremont, Custer, Huerfano and bordering counties received total snowfall of record proportions. Heavy wet snow accumulations damaged buildings, farm structures and fences. Livestock trapped on summer ranges were rescued with Army assistance. Losses resulted from loss in weight of stock ready for market and from animals killed or injured in collapsing barns and sheds. Some orchards in the Canon City area were severely damaged. In Salida, a woman was seriously injured by a falling canopy which collapsed from weight of the snow.</p>								
CONNECTICUT	23-25	Night 23-24th, early 25th			1		5		Wind and rain
Statewide	<p>Strong southeast winds and 2-5 inches of rain swept State. Most damage reports from north-central, eastern and east coastal sections. Trees and branches downed; electric and telephone services interrupted; basements flooded (80 in Hartford area alone); pleasure craft, damaged at shore points; several minor injuries and one fatality in vehicular accidents during storm.</p>								
FLORIDA	6	9:30 AM			0	0			Funnel Cloud
Miami Dade County	<p>Funnel cloud seen about 15 miles southwest of city.</p>								
Delton Springs Volusia County	12	2:00 PM	1	70	0	0			Tornado
	<p>Damages from this tornado were minor as storm traversed uninhabited area. Trees up to one foot in diameter were broken off and fell in different directions.</p>								
Sanibel Island Lee County	12	5:10 PM			0	0			Tornado
	<p>Tornado touched ground briefly on Sanibel Island and knocked down several power lines. No other damage reported.</p>								
Stuart Martin County	17	3:30 PM			0	0			Tornado
	<p>Tornado touched ground briefly 3 miles south of Stuart. No damages were reported.</p>								
Miami Dade County	31	1:25 PM			0	0			Funnel Cloud
	<p>Cloud seen about 15 miles southwest of city.</p>								
GEORGIA	13	Afternoon and evening			1	2	5		Wind, rain and electrical
North and Central	<p>Severe thunderstorms, accompanied by damaging winds and heavy rains, hit several sections of north and central Georgia during the afternoon and evening. Roofs were damaged and utility lines were knocked down by falling trees and branches in Macon on Tuesday afternoon. Some streets were flooded by heavy rains. An elderly lady was killed by lightning near Danville in Twiggs County while removing clothes from a line. An Atlanta woman was knocked to the ground and slightly injured when lightning struck a post near her. An elderly Douglas County man was severely injured when wind heavily damaged his home near Douglasville. Cedartown was left without lights Tuesday night as wind, rain and lightning whipped the town. Trees were uprooted and some roofs were damaged in the Antioch Community of Habersham County Tuesday evening about 8:30. At about the same time a storm hit the Blackshear Place, about six miles south of Gainesville in Hall County. Some witnesses thought this storm to be a small tornado just above the ground. Damage was mostly light. Wind damage was reported in the Bellah section of Lincoln County on the same night.</p>								
Near Brunswick	14	3:45 p.							Waterspout
	<p>Several waterspouts reported forming southeast of Savannah on same afternoon.</p>								
IDAHO	15	3:50 p.							Funnel cloud
Idaho County	<p>Observed 10 miles SSW of Cottonwood Butte moving SW to NE. Funnel remained aloft and observed from plane flying over Salmon River about 10 miles west of funnel which extended down from cloud deck to an estimated 2500 feet above ground.</p>								
ILLINOIS	8	3:30 pm	2	90	0	1	5		Tornado
McHenry	<p>Heavy damage to more than 20 homes in a new subdivision on the southeast side of McHenry. Tornado moved toward the northeast. It may have touched down again at the edge of Fox Lake (lake) and may have moved into Wisconsin.</p>								
Fosterburg to Fillmore	10	5:15 pm	10	15-50	0	0	5		Tornado, windstorms
	<p>Tornado moving toward the east-northeast caused heavy damage to a farmstead near Fosterburg with lighter damage north of Alton and in Fosterburg. Collapse of a dairy barn killed 18 cows. Continuation of the storm to the east-northeastward for some 40 or 50 miles either as a tornado or heavy thunderstorms caused damage to trees and a store in Panama and to a home and two farmsteads at Coffeen while at Fillmore there was wind damage and the ground was covered with marble-sized hail.</p>								
Dearfield	23	3:25 pm			0	0	4		Windstorm
	<p>Mostly light damage to trees and buildings. The possibility that a tornado occurred has not yet been confirmed nor ruled out.</p>								
INDIANA	4	1 a.m.			2	0	4	0	Lightning
Ragdale, Knox County	<p>Two children died when their home was struck by lightning and burned.</p>								
Indianapolis, Marion County	4	afternoon			0	1	3	0	Wind
	<p>A woman was struck by a sign blown down by high winds at 140 East Washington. Electric power was out in two city areas by the winds.</p>								
Millersburg, Orange County	10	11:15 p.m.			0	0	4	0	Tornado
	<p>A small tornado toppled 50 tombstones, damaged a church and destroyed a barn midway between Paoli and Millersburg on road 56.</p>								
IOWA	23	p. m.			1	4	3		High winds
Carroll, Carroll County	<p>Toppled a wall and fourteen 40 foot arches of a church under construction at Carroll injuring a workman. In other Iowa localities scattered wind damage to property and crops. Wind velocities to 60 mph reported.</p>								
Alta, Buena Vista County	24	p. m.				2			High winds
	<p>2 auto accidents blamed to high winds that caused drivers to lose control of vehicles.</p>								
KANSAS	1	Midnight Sept. 30-Oct. 1					4		Electrical
Gove County	<p>Lightning struck the Quinter Building Material Co. Warehouse resulting extensive damage to building and contents.</p>								
Dickinson County	1	10:30p-10:40p					3		Hail
	<p>Hail stones, some 2 1/2 inches in diameter, fell at and near Solomon damaging roofs, cars, and some unharvested crops.</p>								
Wilson County	2	11:45a							Electrical
	<p>Lightning struck in Needasha knocking out all communications in the city fire and police station, numerous T.V.'s in private homes and damaging a few appliances.</p>								

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
KANSAS (Cont'd.)									
Montgomery County	3	near noon							Electrical
		Lightning struck a home in south Independence resulting in damage to the wiring of the house and to the T. V.							
Lafayette County	4	1:50pm	short	narrow					Tornado
		A small but violent tornado was heard and observed to come to the ground and demolish a barn, damage the house roof and porch, blow over a number of trees and tear up power and telephone lines about 7 miles northeast of Parsons. Heavy rain followed the tornado.							
Cherokee County	13	12:35a							Electrical
		Lightning struck a home in Columbus, knocking a hole in the roof large enough for a man to pass through, much of the plaster in several rooms was knocked off, all electric wiring was burned out, the light bulbs exploded, and the meter burned out.							
Douglas County	22	Early AM							Electrical
		During a rather severe thunderstorm 2 homes in Lawrence were struck by lightning with only minor damages. Outages occurred on 2 power lines also.							
LOUISIANA									
Jefferson Parish	11	10:32 a.							Waterspout
Lake Salvador									
St. Bernard Parish	11	11:40 a.							Funnel cloud
Chalmette									
Lafayette Parish	11	4:00 p.							Funnel cloud
WSW Lafayette									
MAINE									
Southwestern	18	5-6 p.			0	0	3	0	Wind
		Wind squall, accompanied by lightning and small sized hail in some areas, felled trees and lines in numerous localities.							
State	24-25				0	1	6	0	Rain, wind.
		Scattered wind damage over much of State. Trees and limbs blow onto utility wires disrupting phone and power service. One factory roof blown away with much rain damage to contents of building. Considerable loss to lobstering and fishing gear and boats along coast. Some thought lobster trap loss worse than from any hurricane. Heavy rain over State but no important flooding in extreme north and southeast. Heaviest rain centered in filled area where 6.35 inch fell in 24 hours and over 8 inches in storm. One hundred and fifty families evacuated at Mexico and some elsewhere. Some homes and cabins dislodged by flood waters. Several bridges washed out and many road washouts halted all traffic in parts of heavy rain area. Cellular flooding common in much of State. Unusual feature also was yellow coloration of some white painted buildings, on their windward side. Some coloration bright yellow. Phenomenon blamed on Maple trees by some while others hold it a mystery. Much pulpwood lost, washed away by floodwaters or rampaging rivers.							
MASSACHUSETTS									
Central	6-7	Night and a.m.			0	0	3	0	Electrical, rain.
		Scattered damage from lightning and from underpass and street flooding rains, especially in Chicopee and Fitchburg areas where traffic was halted. Some cellars flooded.							
Central and Eastern	18	P.M.			0	8	4	0	Wind, rain
		Widespread damage by wind squall. Many trees, limbs, and phone and power lines down. Six autos and several homes damaged by falling trees, with 3 injuries reported, 1 critically injured. Some plate glass windows and store signs broken. Much of area received little or no rain but brief torrential rains locally halted traffic in near zero visibility and caused several accidents. Underpass flooded in few areas.							
State	24-25				0	12	5	0	Rain, wind
		Heavy rain and high winds caused widespread damage. Storm totals exceeded 4 inches of rain much of central Mass., westward to eastern Berkshire Co. Heavy damage from washing and flooding rains in this area and lesser damage in other sections. Many road washouts. Many cellars flooded. Wind felled many trees and limbs, disrupting power and phone service. Two autos hit by falling trees, one injured, 11 others injured in accidents due to storm. Lightning occurred in some areas on 24th, with hail reported at Edgartown.							
MICHIGAN									
Cass County	8	8:00p.m.	10	?	0	0	2		Tornado
		Tornado struck first about one mile west of Bair Lake in the east central portion of Cass County and tore up trees in a swath about 100 yards long. Funnel dipped to the ground again near Harwood Lake about 10 miles northeast of Bair Lake where 50 to 60 trees mostly oaks 18 inches to two feet in diameter were torn out. Only damage to buildings was from flying tree limbs.							
Osceola County	23	Afternoon			0	0	4		Thunderstorm
		Local wind squalls and lightning damaged several farm buildings.							
MINNESOTA									
Western Minnesota	11	a.-p.							Snow
		Considerable loss to flax, wheat and potatoes due to early October snow covering fields making harvesting difficult. Snow depth variable 1 to 3 inches. Turkey losses due to storm - 900 at Frazer, 470 at Sleepy Eye, and 500 at Willmar.							
St. Paul, Ramsey County	11	a.					3		Wind
		Strong gusts downed many trees damaging parked automobiles, one completely destroyed.							
MISSOURI									
Sullivan, Franklin County	2	4:15-4:30 p.					4		Thunderstorm
		Wind damage to drive-in theater, and several other business buildings. Wind estimated 70 MPH.							
St. Louis County	2	6:30-7:15 p.					4		Funnel Aloft
		Observed at 7:03 PM five miles south of Affton.							
Joplin-Neosho-Seneca, Jasper-Newton Counties	2	most of Day					5	4	Floods
		Heavy rains of over 4 inches caused flooding in Seneca, Neosho and Joplin and other communities in the counties.							
Columbia-Sturgeon-Paris, Audrain-Boone-Monroe Counties	4	7:40-9:30 p.							Minor Tornado
		Tornado first reported 3 NW of Columbia Airport. Moved to near Sturgeon and then on to near Paris, Mo. Several witnesses heard roaring noise. Storm path did not involve any heavily populated areas. Minor damage to several farm buildings along storm path.							
St. Louis County	10	Afternoon					1	1	Lightning
		8 year old boy killed by lightning and 12 year old brother injured. Lightning hit a tree under which they had sought shelter.							
Fair Grove, Greene County	10	5:20 p.							Minor Funnel Aloft
		Minor damage to farm buildings.							
Marshfield, Webster County	10	5:25 p.							Funnel Aloft
NEBRASKA									
Most of State	23	All day	Most of State		0	0	4	7	Windstorm
		Strong winds and gales blow down considerable corn and mild over most of the State. One concrete block building in Kearney collapsed and a plane was overturned while taking at Omaha.							
Most of State	26	All day	Most of State		0	1	3	6	Windstorm
		Additional widespread damage to unharvested corn and mild. Some reports of up to 25 bushels per acre of corn on ground in Platte Valley as a result of this storm and the one on the 23d. One person blown down and injured.							
1 1/2 mi. west of Ogallala	30	night	Spot	Spot	0	1	3	0	Wind squall
		Semi-trailer and tractor blown from highway, trailer upset, driver injured slightly.							
NEW HAMPSHIRE									
Southeastern	18	5 p.					0	0	5
		Many limbs and some trees felled, causing power outages for hundreds of homes.							
State	24-25				0	0	6	0	Rain, wind.
		Heavy rains much of State with most torrential centered along Grafton, Woodstock, Mt. Washington line where storm totals exceeded 6 inches. 8.98 inches fell in 24 hours at Pinkham Notch, with a storm total of nearly 10.74 inches. Much washing and flooding of roads over southwestern portion northward through area of heaviest rain. The Pemigewasset River near and above Plymouth was highest of record for October and about equal to the 1938 hurricane flood. Flash floods also occurred in two tributaries, the Esier and Mad Rivers. About 73 families in the Plymouth-Compton-Holderness area had to be evacuated. 20 families at Gorham also were evacuated. Some "old timers" claimed this to be the worst flood of memory. However the Pemigewasset stage at Plymouth was higher in 1938. The most notable damage was a landslide at Franconia Notch, covering U. S. Highway 3, a main route to Canada, with over 25 feet of debris. Pinkham and Crawford Notches were also affected by slides and washouts. Bridges swept away and road washouts closed many roads over much of state except in extreme northern and southeastern portions. Damage to roads and public property has been estimated near \$4,000,000 and private loss is thought to exceed \$500,000. Considerable damage from winds during the storm added to the loss. Gusts were estimated to reach hurricane force in some areas and widespread minor damage to utilities from felled trees and limbs occurred. Many trees down in some areas.							

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NEW YORK										
Rochester area and nearby counties	1	all day 30th to noon on 1st							Heavy rain	
									2.88 inches rainfall in 37 hours at Rochester caused considerable low level flooding, 300 stalled cars, 700 telephones out and numerous power failures; widespread cancellation of air traffic. Property damage apparently compensated for through widespread relief from dry weather.	
Grafton area, Rensselaer County	1	early afternoon					4		Thunderstorm and hail	
									Grafton area, just east of Troy, reported hail up to the size of golf balls.	
Jamestown area, Chautauque County	5	Late afternoon					4		Wind and rain	
									Brief but severe wind and rain storm. Property damage due to high winds, falling limbs, and fallen power and communication lines.	
Binghamton area, Broome County	5	5 p.m.					4		Heavy rain and high winds	
									Some flooding, and power lines knocked down.	
Jamestown area, Chautauque County	6	most of day					4		Heavy rain	
									Excessive runoff caused widespread low level flooding; cellars and highways flooded. 2.89 inches of rain in 24 hours.	
Middletown area, Orange County	6	afternoon					5		Heavy rain, high winds, lightning, thunderstorm	
									4 1/2 inches of rain during severe thunderstorm; flooding and lightning damage.	
Southcentral counties	6-7	Afternoon & evening					5		Heavy rain, high wind and lightning	
									Localized surface flooding, wind damage to buildings, power and communication lines, soil erosion, small stream flooding, flooded fields, damage to small bridges.	
Western New York, especially near Lake shores	11	afternoon and early evening					4		High winds and rain squalls	
									Wind damage to trees, buildings, windows and shore lines. Backed up water in some creeks caused some flooding.	
Scattered areas across the State	18	Day and evening			1		5		Gusty winds, rain squalls and lightning	
									Strong wind shift accompanied by strong gusty winds, rain squalls and lightning. Damages to trees, buildings, power and communication lines, some surface flooding. One killed on snow slicked highway at Tupper Lake in the Adirondacks.	
Southeastern New York	24	Day and evening			2		5		Heavy rains, high winds	
									Heavy rains and high winds caused power and communication failures, landslides, flooded cellars; 2 killed in New York City area due to slippery streets and skidding cars; 200 trees blown down in New York City.	
NORTH DAKOTA										
NORTH CAROLINA										
Piedmont Section	8-15						5	5	Rain, Flash Floods	
									Protracted rain period caused heavy damage to cotton crop. Local heavy downpours within the general rain pattern washed out nearly 1000 feet of bridges and an undetermined footage of pavement on highways and secondary roads, the heaviest damage being in Alamance County. Many roads and highways closed, including U. S. highway 29. Some automobiles washed off road into deep water, but occupants escaped.	
New Hanover County	15	2:10 am	1/4	25	0	1	4	0	Tornado	
									Several buildings demolished at Kure Beach by "howling storm moving from southwest". Cabin in which two men were sleeping blown away, one man received scalp wound from flying debris. Darkness prevented observation of cloud formation, but sound described and character of damage indicates to make.	
Johnston, Martin, Nash, Northampton, Pitt, Wake, Wilson, Halifax Counties	23-						5	5	Rain, Flash Floods, Hail	
									Over six inches of rain fell near Clayton (Johnston County) afternoon and evening of October 23, with lesser amounts over a large area. Flash floods caused over 100 washouts in roads and highways of Johnston County alone. Some cars washed off roadways into deep water, but no deaths reported. Considerable farm erosion, also corn and soybean crop damaged. More rain on 24 and 25, and scattered hail on 25. Little damage from hail.	
OHIO										
Walsfield Geauga County	6	5:50 pm	10	100	0	0	5	3	Tornado	
									A small, but locally violent tornado touched ground first in open country about 4 miles south of Auburn Corners and traveled some 10 miles to 4 miles northeast of Walsfield. Damage was most concentrated at Shew and Fox Roads where miscellaneous debris, including lumber and tree limbs were observed flying overhead and a roaring sound was heard. Along the path numerous barns were severely damaged, trees were uprooted and utility lines downed. It was accompanied by torrential rains.	
OKLAHOMA										
State	1-4							6	Rain, electrical	
									Heavy rains fell during the 4-day period over the major portion of the State. Amounts ranged up to 9 inches over south-central, west-central, central, and north-central sections and up to 10 to 12 inches over the northeast section. Flooding occurred along most of the streams and rivers in these areas. The most severe flooding which approached record levels occurred along Cottonwood Creek at Guthrie; Stillwater Creek at Stillwater, and most all the streams and rivers in the northeast section of the State. The flooding caused heavy damage to roads, bridges, and public and private properties. The downpours washed topsoil from newly tilled or planted fields, requiring retilling and replanting. Unharvested crops of cotton, peanuts, sorghums, soybeans, etc. were heavily damaged. Numerous lightning strikes were noted during the prolonged storm.	
Oklahoma City, Oklahoma County	1	9:25 a.							Funnel aloft	
									Public sighted funnel aloft over western edge of Oklahoma City.	
Nowata, Nowata County	2	10:00 a.							Tornado	
									Tornado uprooted a few trees as it moved northeastward through open country 8 miles northwest of Nowata.	
Yuba, 2 miles west, Bryan County	4	7:25 a.		200		2	4		Tornado	
									Tornado first dipped down near Savoy in Pannin County, Texas; moved north-northeastward and struck again near Yuba. Outbuildings were destroyed on one farm and another farmstead was almost completely destroyed. Two of four people in one house were injured by flying debris when the house was nearly destroyed.	
Bryan and Marshall Counties	13	During day						4	Rain	
									Heavy rain of 2 to 6 inches fell over eastern Marshall and western Bryan Counties causing some local flooding. Considerable damage resulted to unharvested peanuts and cotton. Topsoil was damaged by washing.	
OREGON										
Holley	22	Early morning			0	1	5	2	Wind	
									One man seriously injured by electric wires blown down across the highway. Numerous trees were blown over damaging power and telephone lines, some buildings and other property.	
Northern Willamette Valley	22	Afternoon			0	0	5	3	Rain	
									Heavy rains over scattered local areas resulted in sudden substantial rises in several streams. Some heavy construction equipment being used in Bull Run River near Sandy was trapped by high water and damaged extensively. Slight crop damage to late truck crops and mts.	
PENNSYLVANIA										
Portersville	6	Evening					1		Thunderstorm	
									A bolt of lightning struck and killed a man who was working on the roof of a building. Other men working on the roof were not injured.	
RHODE ISLAND										
Statewide	23-25	Night 23-24th - morning 25th					2	5	5	Wind and rain
									Southeast gale with 1-3 inches of rain downed trees and branches, damaging automobiles and breaking utility lines. Numerous pleasure craft blown from moorings and damaged. One man swept to death from yacht offshore. Several vehicular accidents on rain-swept streets and highways in which the other fatality and the injuries occurred. Some minor flooding and rain damage to telephone cables but practically all damage wind-caused.	
Myrtle Beach, 10 miles north Horry County	9	2:44 p	-	-	0	0	0	0	0	Funnel
										Funnel observed moving northeastward.
West Columbia, Lexington County	11	6-8 a	-	-	0	0	3	0	0	Rainstorms
										Heavy rainfall accumulation from the past few days caused several small local dams to burst.
South Carolina	6-31	-	-	-	-	-	5	7	7	Rain
										The month of October was probably the rainiest October since records began in 1887. Roads were washed out and damaged, crops damaged and beaten down by Hurricane Gracie, could not be harvested, thus causing additional deterioration and destruction.

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SOUTH DAKOTA Bonesteel, Gregory county	21	12:30 p.						2	Electrical
			Stack of hay containing approximately five tons was struck by lightning and destroyed by fire. Some telephones out of order due to lightning strikes on utility lines.						
TEXAS H.W. Howard Co.	1		8	3	0	0	0	5	Rain, hail
			In Knott-Wealner area some cotton fields completely destroyed by hail, average diameter 1-1/2", which covered 75% of the ground. Moved NE, hail damage estimated \$50,000. Rain lowered grade of cotton for estimated loss of \$125,000.						
Minahans, Ward Co.	1	4:45-5:30 pm			0	0	0	0	2 funnels aloft
			Moved NE.						
W of Aspermont, Stonewall Co.	2	about 2:50 pm			0	0	0	0	Funnel aloft
Andrews, Andrews Co.	2	6-7 pm	3	3 1/2	0	10	5	0	Wind
			Moved from SW, accompanying 2-1/2" rain, 2" of which fell in 20 minutes; some hail. Approximately 12 trailer homes overturned, minor injuries to occupants; warehouse and shanty unroofed, power lines downed, 3 walls of one home blown away; service station retaining wall blown onto car; heavy damage to drive-in theater.						
Mr Joshua, Johnson Co.	3	2:30 am	1/2	100	0	0	4	0	Tornado
			Moved NW, damaged steel quonset building, 1 residence roofs, trucks, combine, silage cutter, skidder; redwood outbuilding destroyed. Damage confined to one ranch.						
Mr Fort Worth, Tarrant Co.	3	7:30 am	1	100	0	0	3	0	Tornado
			During driving rain from south, strong wind seemed to be blowing from east. Minor damage to docks and moored boats. Part of warehouse roof blown off.						
Kyle, Hays Co.	3	2:50 pm			0	0	0	0	Funnel aloft
			Pilot report, dissipated after 4 minutes.						
Joshua and Swerman, Johnson & Tarrant Cos.	4	2:30 am	3	50	0	0	5	0	Tornado
			Moved NE during electrical storm; vicinity of Swerman damaged one manufacturing plant; vicinity of Joshua damaged maintenance shop; trailer overturned on another trailer. Property damage est. \$300,000.						
E. Dallas Co., W Rockwall Co., S Collin Co.	4	5:30-6:30 am	25	70	0	5	5	4	Tornado
			Developed approximately 6 mi E of Dallas city limits, shipped NE through generally open farm and ranching country some 25 mi to the New Mesquite Community south of Farmersville in Collin Co. Several houses and farm buildings were destroyed, number of others damaged. Injuries minor.						
Corpus Christi, Nueces Co.	12	10:30 am	2	5 to 7	0	0	4	0	Tornado
			Moved N, southern edge residential section of city. Damage to boats and trailers on sales lot, minor damage to houses along path.						
Mr Edna, Jackson Co.	30	10:20 am			0	0	0	0	Funnel aloft
Chirens, Hancock Co.	30	5:30 pm			1	0	0	0	Electrical
			Woman struck by lightning while inside home, killed.						
Neches, Anderson Co.	31	7:45 am	1 1/2	300	0	0	5	0	Wind
			Barns and outbuildings unroofed, homes damaged, school damaged; trees and TV antennas blown down. Accompanying heavy rain. High winds lasted about 10 minutes. No hard winds were reported except in this narrow strip.						
UTAH Along mountains, Bountiful to Brigham City	29	Night			0	7	6	1	Wind
			Strong easterly canyon winds, with gusts estimated to over 75 MPH, caused extensive damage to many fences, buildings and other structures. A filling station was blown down in Centerville, many building windows blown out, and numerous roofs damaged. Eleven semi-trailers and a small foreign car were blown over while traveling on a highway.						
VERMONT Southeast and east-central	24-25				0	0	4	0	Rain, wind.
			Heavy rains totaled 2 to 4 inches over much of area and over 4 inches in much of southeastern portion. Considerable washing and flooding, with some roads and bridges washed out, especially in Woodstock area. High wind with the storm felled some trees and limbs. Damage by wind mostly minor.						

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
VIRGINIA Princess Anne County (4 Miles East of Princess Anne)	9	4:00p.	1	300	0	0	4		Tornado
			Tornado in rural area did selective damage; at least three frame buildings were destroyed and stored furniture in one of them carried through the air several hundred feet. Two residences were damaged.						
Coastal Tidewater Area	23-24	Night			1	0	5	0	Heavy Rain
			Flash flooding from heavy rain (3.8 inches in 6 hours at Norfolk) An elderly man drowned. Street and highway sections damaged, and two warehouse buildings heavily damaged.						
WISCONSIN Mapleton, 2 miles NW, Waushara, County	8	4:00 p.m.	1	narrow			4		Tornado
			Damage to farm buildings and equipment.						
Gerrantown, Washington, County	8	4:45 p.m.							Funnel
Racine County, near Frankville	8	4:48 p.m.				2	4		Tornado
			Funnel briefly touched ground demolishing a house trailer and damaging others. Storm a continuation of McHenry, Illinois, tornado.						
Dane County, near Sun Prairie	22	afternoon			1				Lightning

* Miles instead of yards.

° 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.

States and territories not listed in these tables reported no storms or unusual weather phenomena during the month.

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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