

U. S. DEPARTMENT OF COMMERCE
JOHN T. CONNOR, Secretary
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

STORM DATA

JUNE 1966

Volume 8 No. 6



ASHEVILLE: 1966

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
North and West Central Alabama	16	4:00 P.M. to 8 P.M.			0	0	5	0	Wind, rain, hail
			Line of heavy thunderstorms moved from west to east. Scattered damage from wind in many localities. Numerous trees uprooted or broken off, porches and roofs damaged, house trailers overturned, numerous barns and outbuildings damaged or destroyed. 90% of damage due to wind, 5% to rain and 5% to hail. Some damage to crops by wind, rain and hail.						
Jefferson County	16	7:58 P.M.							Funnel
			Funnel cloud reported 18 miles south-southwest of airport. No evidence of touching ground.						
Muscle Shoals, Colbert County	30	5:30 P.M.			0	0	4	0	Wind
			High winds from thunderstorms demolished 3 house trailers and damaged 2 others. A few windows and roofs were damaged and trees uprooted.						
ALASKA									
ARIZONA									
ARKANSAS									
Newport, Arkansas - Jackson County	7	3:15 p. to 3:45 p.	4	800	0	0	3	0	Hail
			Hail was observed in about six of the northeast counties with the largest (1 to 2-1/2" diameter) and most damaging occurring in Newport.						
CALIFORNIA									
COLORADO									
Logan County	4	4 PM			0	0	0	0	Tornado
			Boy Scouts camping in Lewis Canyon, about 5 mi SW of Peetz sighted tornado touching ground 1-1/2 mi W of camp. No damage reported.						
Weld and Morgan Counties, and east to Nebraska border	7	3:50-7 PM			0	0	4	4	Hail, heavy rain, wind
			Severe thunderstorms moved from an area southwest of Greeley generally eastward to the state border. Marble size hail fell in the Greeley area and hailstones up to baseball size were reported in areas south of Brush, Akron, Yuma, and Wray. Hail caused damage ranging from light to severe in areas northeast of Greeley, and near Wiggins and Fort Morgan, and eastward. Wheat crops were damaged by hail and heavy rain in areas south of Brush, Akron, and Wray. Two inches or more of rain fell over much of the storm area, and there were reports of up to five inches south of Akron and Brush. High winds blew down power lines 5 mi S of Brush. There was scattered damage to property from hail and local flooding.						
Kiowa County	8	3:25 AM			0	0	0	0	Funnel Cloud
			Pilot reported funnel cloud NE of Las Animas moving about 12 mph in a NNE direction. Cloud dissipated about 4:00 AM.						
Baca County	17	3:00 PM	3-5		0	0	0	4	Hail and wind
			A severe wind and hailstorm near Stonington, covering a path 3 to 5 miles long caused considerable damage to wheat crops.						
Prowers County	18	5:30 PM	*3		0	1	0	4	Hail and wind
			Hail covering a strip 3 miles wide in the Holly area caused damage to wheat crops. High winds with gusts estimated more than 60 mph caused extensive damage in the area. Telephone lines were blown down N of Holly. A man was injured in Holly when blown from a ladder by a severe wind gust.						
Colorado Springs	18	1:03 - 1:09 PM			0	0	0	0	Funnel Cloud
			Funnel cloud sighted by WBS Colorado Springs. Dissipated to the east; no damage reported.						
Phillips County	22	PM			0	0	0	4	Hail
			Hail, with stones up to golf ball size, damaged crops in scattered areas southwest of Holyoke.						
CONNECTICUT									
Stafford Springs, Tolland Co.; Willimantic, Windham Co.	10	2:00 a- 6:00 a			0	0	5	0	Thunderstorms
			Gusty winds caused several power failures in Willimantic and Mansfield. Lightning fire leveled a garage in Stafford Springs with \$150,000 damage. Locally heavy rains of 1 1/2 to 3 inches over short periods caused some local flooding and road washouts.						
Northern New Haven and Southeastern Litchfield Cos.	29	9:30 p- 10:30 p			0	0	4	0	Thunderstorms
			Power cut in sections of Waterbury, Wolcott, Prospect and Woodbury. Heavy rain caused local street flooding and several road washouts. Lightning caused several fires in Waterbury.						
DELAWARE									
Kent County	16	Night			0	0	3	0	Thunderstorms
			Strong wind gusts overturned 55-foot mobile home near Canterbury. Also, two homes were slightly damaged by lightning. Hail was reported by Dover cooperative observer.						
Near Felton, Kent County	29	12:15am			0	0	4	0	Lightning
			Farmhouse was destroyed by fire when lightning struck propane gas tanks. Loss was estimated at \$14,500 to \$17,500.						
FLORIDA									
Pompano Beach Broward Co.	2	9:02 am							Funnel Cloud
Key West, Monroe Co.	2	5:30 pm	Short Narrow		0	1	4		Tornado
			Funnel cloud touched ground briefly, moved from east to west, and caused damage at Key West High School and overturned and damaged one car.						
Indianlantic Brevard Co.	5	Afternoon			1	3			Lightning
			Lightning struck beach visitors as they waited for thunderstorm to pass.						
Pinellas Park Pinellas Co.	6	3:30 pm	1/4	30	0	1	5		Tornado
			Storm moved northeast to southwest in Gator Lake area. Damages to mobile homes in this area.						
Entire Peninsula & West to Tallahassee Area	8 - 9				6	7	7	0	Hurricane ALMA
			Hurricane ALMA, the earliest known hurricane to cross the Florida coastline, moved northward out of the Caribbean Sea and northward through the Gulf of Mexico along a track varying from 20 to 60 miles off the west coast before making landfall near Alligator Point on the afternoon of the 9th. Highest winds, North 125 mph, and lowest pressure, 28.65 inches, were reported at Dry Tortugas on the afternoon of the 8th. Sustained winds remained below hurricane force at all reporting stations in Florida except in a small area around Alligator Point where winds were estimated between 75 and 90 mph. Storm tides along the Gulf Coast ranged from 2 to 3 feet above normal in the Keys to an estimated 7 to 10 feet above normal between about New Port Richey and St. Marks. There was considerable variation in tides along the northern Gulf Coast, depending upon the configuration of the coastline. A goodly portion of the fishing villages of Cedar Key was inundated by rising tides and wave action. Tides between Everglades City and Tampa were estimated to range mostly between 3 and 5 feet above normal. Rainfall was relatively light in most areas; storm totals ranged from mostly 2 - 4 inches on the southwest peninsula and north of Lake Okechobee to mostly 5-8 inches in the Dade, Broward and Palm Beach County area. There was no serious flooding from rainfall anywhere in the state. Principal damage was downed utility lines, beach erosion and salt water flooding. Agriculture sustained some damage, notably the late season vegetables in the central Gulf coast counties and the tobacco crop, both fine cured and shade grown, in north Florida. There were four tornadoes reported in the state; two in Dade County and two in the Marianna area. Four other tornado-like storms were reported; three in the Sarasota area between 10:30 and 11:00 pm on the 8th and one near Jacksonville on the afternoon of the 9th.						
Miami Dade County	8	Noontime	Short Narrow		0	0	1		Tornado
			Waterspout came ashore on southeast to northwest track and passed near the Parrot Jungle. Storm skipped along path several miles long.						
Miami Dade County	8	10:00 pm	4	Narrow	0	0	1		Tornado
			Storm began about two miles south of the University of Miami campus and moved almost due northward, passing on the eastern edge of the University campus.						
Marianna Jackson Co.	9	Morning	Short Narrow		0	0	1		Tornadoes (2)
			Each storm dipped to ground briefly. Times of occurrence and direction of movement unknown.						
Titusville Brevard Co.	14	Afternoon			1	1	2		Lightning
			Lightning struck residence, flashed through wiring panel and set room afire where two small children were playing.						
Seaford Seminole Co.	15	3:10 pm	Short Narrow		0	0	3		Tornado
			Funnel cloud dipped to ground briefly damaging several residences.						
Brandon Hillsborough Co.	16	1:45 pm							Funnel Cloud
Tampa Hillsborough Co.	17	9:55 am & 11:00 am							Funnel Clouds (2)
Fort Lauderdale Broward Co.	18	9:05 am							Waterspout
Vero Beach Indian River	18	2:52 pm	Short Narrow		0	0	1		Tornado
			Funnel cloud dipped to ground briefly						
Homestead Dade Co.	20	8:10 am							Funnel Cloud
Miami Dade Co.	20	12:38 pm							Funnel Cloud
Bartow Polk Co.	20	1:24 pm							Funnel Cloud

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

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					KILLED	INJURED	PROPERTY	CROPS	
FLORIDA (Cont'd) West Palm Beach Palm Beach Co.	20	3:27 pm							Waterspout
St. Petersburg Pinellas Co.	20	5:19 pm							Funnel Cloud
Key West Monroe Co.	21	7:22 am							Waterspout
Tampa Hillsborough Co.	21	6:15 pm							Funnel Cloud
Everglades City Collier Co.	21	6:34 pm	Short	Narrow	0	0			Tornado
Miami Dade Co.	21	7:11 pm							Funnel Cloud
Pensacola Escambia Co.	22	12:44 pm							Waterspout
Miami Dade Co.	23	12:23 pm							Funnel Clouds (2)
Key West Monroe Co.	23	1:00 pm							Waterspout
Miami Dade Co.	23	1:00 pm							Funnel Clouds (3)
Tampa Hillsborough Co.	23	3:25 pm							Waterspout
Key West Monroe Co.	23	4:05 pm							Funnel Cloud
West Palm Beach Palm Beach Co.	25	6:25 am							Funnel Cloud
Islamorada Monroe Co.	25	9:30 am							Waterspouts (2)
West Palm Beach Palm Beach Co.	25	11:55 am							Waterspout
Miami Dade Co.	25	5:25 pm							Funnel Cloud
Miami Dade Co.	26	10:48 am							Funnel Cloud
Homestead Dade Co.	26	2:00 pm							Funnel Cloud
Miami Dade Co.	26	7:33 pm							Funnel Cloud
GEORGIA Southeast	8-9				0	0	5	5	Hurricane Alma
Alma, 20 miles N	17	11 a.m.							Funnel Cloud
Brunswick, 3 miles N	17	2:36 p							Funnel Cloud
Waynesboro	18	11:42 a							Funnel Cloud
Atlanta, 25 miles W	26	7:30 p			0	0	4	0	Wind
Atlanta Area	30	4:20 p			0	1	5	0	Tornado, Wind and Hail
Columbus	30	6:30 p			0	2	4	0	Wind, Hail and Lightning
HAWAII			None reported						

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					KILLED	INJURED	PROPERTY	CROPS	
IDAHO Washington County	10	Noon	15	*1 1/2				4	Hail
Bingham County	28	6:00 p.						4	Wind
ILLINOIS									
Southern Illinois	7	5p-7p			0	0	*4	C	Wind, hail
Central Illinois	8	eve			0	0	?	6	Hail, rain
Cook County	9	5:10a	short	narrow	1	30	6	0	Tornadoes (3), wind
Northeast Illinois	13	1p-5p			0	0	4	0	Funnel clouds, rain
Southern Illinois	13	1p-5p			0	0	*4	C	Wind, hail
Central Illinois	26	2:40p							Funnel cloud
INDIANA									
Angola, 4 miles south, Stauben County	9	3:15 p.			0	0	0	0	Funnel cloud
South Bend, 5 miles southwest	13	7:00 p.			0	0	0	0	Funnel cloud
Grant and Blackford Counties	15	11:00 p.			?	?	0	0	4 0 Tornado
Lebanon, between Thornstown and Lebanon	17	-6:15 p.			0	0	0	0	Funnel clouds (2)
Lowell	18	5:30 p.			1	3	0	0	Lightning
Mentone	28	5:29 p.			0	0	0	0	Funnel cloud
Dunkirk	28	6:47 p.			0	0	0	0	Funnel cloud
Franklin, 7 miles west	29	3:50 p.			0	0	0	0	Funnel cloud
IOWA SNE Hawarden to 4S Sioux Center	2	8:25 p	10	300			4	3	Tornado
			Moved east.				Property losses	\$30,000 to \$50,000.	

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS								
IOWA (Cont'd.)										LOUISIANA																
Clarksville	4	3:15 p							Funnel aloft	Jefferson Parish	13	7:35 a.							Funnel cloud aloft							
2E Coggin, NE Linn County	5	10:30 p							Tornado	Caddo Parish	13	About 2:00 p.			7	0	?	0	Heavy rain							
NE Des Moines- Mitchellville	11	5:45 p	12	150			4	4	Tornado										As torrential rains struck Shreveport, seven boys drowned. The Weather Bureau Airport Station, Shreveport, recorded 1.97 in. rain of which 1.10 in. fell between 1:00 p. and 1:30 p. A check of other rain gages in city and area showed variance of from 0.3 in. to 2.6 in. Heaviest rains mostly in southern and eastern portions of city. Two boys, ages 12 and 15, fell into different drainage ditches; were swept away by swift, rain-swollen currents and drowned. Parish Sheriff's deputies said rains were an important factor when a 12-ft. aluminum motor boat overturned in bayou near Caddo Lake Dam; girl and parents rescued, five boys, ages 5-16, drowned. Some Shreveport underpasses flooded and cars stalled. Police, at 2:00 p., reported water in some underpasses rising nearly 2 in. per minute. Two auto accidents during sudden downpour; neither resulted in serious injury.							
Britt	11	6:00 p	3	2500			4	5	Hailstorm																	
St. Ansgar	11	7:00 p	1	250			4	3	Tornado																	
5N Waterloo	11	7:00 p							Funnel aloft																	
Haverhill	11	7:45 p							Tornado																	
Boone	11	8:30 p	2	200			4		Tornado																	
McCallsburg	11	9:00 p	2	150			4	3	Tornado	Lake Pontchartrain	14	Before 1:00 p.							Waterspout							
Central Iowa	11- 12							5	6	Heavy rains									Reported by pilot moving E, 2 N New Orleans Lakefront Airport.							
Cedar Rapids	12								Heavy rains	Lake Borgne	15	1:00 p.- 1:28 p.							Waterspout							
10S Cedar Rapids.	13	6:30 p							Funnel aloft										New Orleans police reported waterspout S of Chef Menteur Highway; dissipated after moving farther from shores of Lake Borgne.							
33WNW Dubuque	15	4:30 p						1	Tornado	Plaquemines Parish	15	3:42 p.							Waterspout							
Charles City	15	7:00 p					4	4	Windstorm	Orleans Parish	17	6:30 p.			0	5	?	0	Thunderstorm							
NW Bremer County	15	7:00 p					4	5	Hailstorm										Thunderstorm, with wind gusts estimated up to 50-60 miles per hour, struck parts of New Orleans. Scattered power failures; some trees reported downed. Section of building scaffold fell on downtown sidewalk and street, injuring five and damaging an automobile.							
Shenandoah	17	1:00 p	4	3500			4	5	Hailstorm																	
Schleswig	17	5:00 p					4	5	Hailstorm	Lake Pontchartrain	23	10:40 a.							Funnel cloud aloft							
Monona County	17	6:00 p					4	5	Hailstorm										Public reported funnel cloud aloft 12 NE New Orleans International Airport.							
13NW Osage	17	8:18 p							Funnel aloft	Gulf of Mexico	23	2:57 p.							Funnel cloud aloft							
Lyon County	19	4:30 p					4	4	Hailstorm										Ship reported funnel cloud aloft 15 W Southwest Pass.							
Boyden and Hull	19	6:20 p	10	5000			4	6	Hailstorm	Caldwell Parish	29	5:00 p.			1	1	0	0	Lightning							
12NE Spencer	19	10:00 p					4	4	Hailstorm										While walking towards shelter, lightning struck two field hands in cotton field 3 E Columbia. 17-year old youth killed; his wife was treated at hospital for shock.							
Akron	19	10:30 p	4	3000			4	5	Hailstorm	MAINE																
Northern Winne- bago County	20	7:00 p					5	6	Hailstorm	Southwest	6	P.M.			0	0	4	0	Lightning							
NE of Waterloo	27	7:00 p					3	3	Tornado										Scattered lightning damage during afternoon thunderstorms. Major power outage in Rumford area when main transmission line was knocked out. Some hail but no reported damage.							
N of Oelwein	27	7:00 p							Funnel aloft	Central and south	29	P.M.			0	0	4	3	Lightning, wind, hail							
3NW Oelwein	27	7:10 p					3		Tornado										Afternoon thunderstorms caused scattered lightning damage, including a house fire at Cape Elizabeth. Accompanying winds felled trees and branches in several localities, with some utility outages resulting. Many areas reported hail, mostly 1/2 inch diameter or less, though window glass was broken by hail at Old Orchard. Minor damage to crops.							
6NW Oelwein	27	7:15 p					3		Tornado																	
Carroll-Jefferson area	27						5	5	Heavy rains																	
									Bridge approaches washed out, roads damaged and crops inundated by water. Rainfalls unofficially to 5 1/2 inches at Glidden.																	
KANSAS									See data on page 64																	
KENTUCKY										MARYLAND																
McCracken and Marshall Counties	6	12:00 noon					2	4	Tornado	Talbot County	8	6:00 pm			0	0	0	?	Hail, wind, heavy rain							
									Showers and scattered thunderstorms were general over Kentucky. In western Kentucky, one and possibly several funnel clouds were sighted. At 12:00 noon C.S.T. at Fremont, 6 miles south of Paducah, a tornado dipped down at 12:00 C.S.T., causing damage along a swath 200 feet wide and 1000 feet long. One car was lifted and set atop another car some 200 feet distant, a storage shed was demolished and trees were downed. One funnel cloud was reported. Apparently the same storm, moving from southwest to northeast, lifted and came down again during the period 12:40-12:42 C.S.T. some distance away at the Kentucky Dam Marina between the Kentucky Dam and Gilbertsville. Here the storm's path was 500 feet wide and 400 feet long. A boat dock was destroyed, a car overturned and some trees downed. Here one and possibly two funnel clouds were sighted. On Kentucky Lake several miles to the southeast, time not known, a funnel cloud was observed to settle on the lake, lifting water from the lake and forming a white column of water above the surface of the lake.																	Severe thunderstorm followed a narrow path across corn and winter grain fields from Shaw Bay to Eastern Airport. Hail size from marbles to golf balls was reported. Damage at first thought to be heavy but, with fine recovery of the crops, full extent of damage will not be known until harvest. Some fields were flooded to depths of five to six inches.
Fayette County	28	7:00 p.					4		Wind, electrical	Ferry Neck, Talbot County	10	?			0	0	3	0	Wind							
									Thunderstorm activity in the northern and southeastern sections of the county was responsible for some damage. A hay barn, apparently set afire by lightning, was burned to the ground. A number of trees and some utility lines were downed by high wind.											Large farm implement shed was demolished when it was blown from its foundation and carried into a nearby corn field.						
										Howard County	14	Late after- noon			0	0	3	0	Thunderstorm							
																				Severe thunderstorm with strong wind and heavy local rain, snapped off utility poles, downed trees and caused minor flooding.						
										Middletown Valley, Frederick County	26	7:00 pm			0	0	3	0	Lightning							
																				Twelve Holstein heifers were killed when lightning struck a tree under which they were standing.						
										Vandermaest Beach on Sue Creek, Baltimore County	27	Afternoon			2	0	0	0	Lightning							
																				A young couple were killed when lightning struck a tree under which they were standing.						

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MARYLAND (Cont'd.) Northeastern Portion	27	Afternoon			0	0	4	0	Thunderstorms
			A 10-ton trailer in Harford County was overturned in strong winds. At least five houses were struck by lightning in metropolitan Baltimore; one was badly damaged. Seven sailboats at Middle River were wrecked by strong winds. Trees were downed in Baltimore area.						
Hoodsboro, Frederick County	28	4:45 pm	1/2	50	0	0	3	0	Tornado
			Small tornado, from SSW, touched down on a farm and demolished two sheds, sheared off a front porch, damaged a car, killed a cow and snapped off tops of trees. A great roaring sound was heard and neighbors saw an unusual "pointed" cloud.						
MASSACHUSETTS									
Southeast	5	P.M.			0	0	4	0	Lightning, rain, wind
			Lightning damaged several buildings. A barn in Fall River burned to ground. Heavy rain in small local areas flooded streets. Graduation exercises at Bridgewater State College were disrupted. Wind broke tree branches and caused other minor damage.						
State	6	P.M.			0	0	4	3	Lightning, wind, rain, hail
			Thunderstorms quite general over state during afternoon, with some areas hard hit. Lightning started many fires and damaged electrical facilities. Wind downed trees and branches, with utility outages resulting. At Holyoke, wind gusts to 57 mph were reported. Washing and flooding rains were troublesome in some areas. At Springfield road washouts were reminiscent of the 1955 flood, and many cellars were flooded. Hail fell in many areas, and reached 1/2 inch size at Melrose, Peabody, Wakefield, and West Granville. Some strawberry and other crops were damaged by hail and a few autos were reported pitted by the stones.						
State	7	P.M.			0	5	5	0	Lightning, wind, rain, hail
			Numerous afternoon thunderstorms much of state, repeating conditions of previous day. Damage by lightning and lightning-started fires was greater than on June 6. Lightning caused utility failures affected thousands of homes. Five were injured by lightning, three in Malden and one each in Shrewsbury and Weston. Wind damage was more localized and of lesser extent but falling trees and branches caused some utility outages. For the second day in a row, street and cellar flooding rains fell in the Springfield area. Flash flooding also was common in the Boston metropolitan area, where transportation was delayed. Hail reports were numerous but sizes were generally not large. At North Andover, however, diameters of 3/4ths inch were reported and at Methuen hail pock-marked house siding and shingles.						
Central and east	9-10	Night			0	0	4	0	Lightning, rain
			Lightning disrupted utility lines, damaged buildings and started at least one major fire, with most reports from the Boston metropolitan area. Locally very heavy washing and flooding rains blocked many streets and underpasses in eastern Massachusetts and, further damaged roads in the Springfield-Westfield area already hit by washouts from storms of June 5 and June 7.						
Cape Cod	13	Early AM			0	0	0	0	Hurricane Alma
			The very weak remnants of Hurricane Alma passed quietly over the outer Cape, with winds generally less than 20 mph and no resultant damage.						
State	15	P.M.			0	0	4	0	Lightning, wind, rain
			Lightning caused scattered damage plus a major loss by fire to a house in Sherborn. Wind downed trees and utilities in many sections, with several thousand homes in the greater Boston area affected. Accompanying precipitation very light in most areas but locally heavy with street and underpass flooding. Evening rush hour traffic tied up many localities just to south of Boston by local flooding. Scattered small hail, with no damage reported.						
Eastern portion	24	P.M.			0	0	4	0	Lightning, wind, rain
			Lightning caused scattered damage and set six building fires in Attleboro. Wind felled trees and limbs and caused utility outages in a few communities. In Attleboro, plate glass windows were blown from downtown shops. Heavy rain caused underpass flooding during the evening rush hour in a few localities.						
MASSACHUSETTS (cont'd.) State	29	P.M.			0	0	3	0	Lightning, wind, funnel clouds
			Scattered and mostly minor damage from lightning. Scattered and also mostly minor damage by wind, including some trees and branches with utility line outages. A parachutist at Orange was caught in sudden squall and blown five miles off-course, barely missing landing in Quabbin Reservoir. A golf ball, driven at a Turners Falls course, was seen to be caught in an apparent vortex, with strange motions, though no funnel was seen. Funnel clouds were seen briefly later in the afternoon in the northeastern portion of the State, in Lynnfield and in the Hamilton-Wenham area.						
MICHIGAN									
SE Stambaugh, Iron County	3	late PM			0	0	1	0	Hail
			Hail, up to 7/8" in diameter observed in wooded area.						
Marquette, Marquette County	3	late PM			0	0	1	0	Hail
			3/4" hail caused little damage. Several stations reported hail in the upper peninsula this date but no size given.						
Alpena, Alpena County	4	12:30 to 2:30			0	0	4	0	Hail - Wind
			Hail, size of moth balls, accompanied damaging winds caused power failures and blew down some farm buildings in the surrounding area.						
Hydel, Delta County	4	9:30 PM			0	0	4	0	Lightning
			Lightning, killed 8 cows out of a herd of 35. Those killed were in steel stanchins, the others in wooden stanchins. Additional damage to electrical equipment in barn was observed, but no fire was observed.						
2 1/2 NE Perronville Menominee County	4	10:30 PM			0	0	4	0	Lightning
			Home and contents destroyed by fire started by lightning.						
Flat Rock, Wayne County	5	1:30 PM			0	0	4	0	Lightning
			Barn struck by lightning, burned, destroyed over \$14,000 worth of machines and farm supplies. Several additional strikes caused minor damage in the area.						
Gibraltar, Wayne County	5	2 PM			0	11	0	0	Lightning
			Taking shelter under a large tree struck by lightning, sent eleven teenagers to the hospital with flash burns, cuts and bruises as some were sent sprawling up to 25 feet from the point of the strike.						
Michigan	6	Early AM Late PM			1	2	5	0	Lightning - Wind
			4-8 AM western upper peninsula, lightning set a fire that destroyed a barn and contents near Daggett, caused power failures and damage in Marquette area. 1:30 to 7 PM, scattered damage from lightning and winds occurred east of a line from Battle Creek to Rogers City. Two received minor injuries in Detroit when a tree fell on their car. One man killed by lightning at Troy about 5:30 PM.						
Southern Michigan	9	8:30 AM- 1 PM			0	0	5	0	Squall line - Tornado - Hail
			Squall line with damaging winds estimated up to 75 mph, moved eastward across the southern one third of Michigan at 40 mph. Two funnel clouds were observed as the storm crossed Wall Lake in Barry County, one touched down briefly on the lake shore, tossed a rowboat 1/4 of a mile, then lifted taking the roof off a cottage as it passed over. Golf ball sized hail fell in the Mt. Clemens area. While heavy damage occurred in many areas, Lansing and vicinity was particularly hard hit as many large trees toppled like toothpicks and several house trailers were overturned or destroyed.						
Near New Buffalo, Berrien County	13	7 PM			0	0	0	0	Water-spout Funnel-clouds
			Water spout observed over Lake Michigan. Several Funnel clouds observed over SW Michigan and over Lake Michigan this date.						
Belleville, Wayne County	14	1:15 AM	1/4	30	0	0	3	0	Tornado
			Tornado did \$1,000 damage to garage 4 miles west of the Metropolitan Airport, moved northeastward.						
2 S Jasper Lenawee County	14	8 PM			0	0	4	0	Lightning
			Lightning-caused fire destroyed large barn, tool shed, two tractors, a spreader, 90 pigs, 4 sows and many smaller pieces of equipment.						

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MICHIGAN (Cont'd.) Silver Lake, Washtenaw County	18	late PM			0	1	0	0	Lightning
									Lightning struck tree limb, fell on a man causing head and shoulder injuries.
MINNESOTA									
Barnum, Carlton County	4	12p-1:30p			0	0	4	0	Heavy rain, hail.
									Unofficial report of 4.5" of rain and "egg-size" hail. Damage mostly due to flooding basements and washed-out roads.
3 south Woodstock, Pipestone County	5	6a	short	?	0	0	3	0	Tornado.
									Did minor damage to farm buildings during brief touchdown.
Winona, Winona County	5	evening			0	0	3	0	Lightning.
									Struck a church tower.
2E Waybun, Mahnomon County	11	3:15 p	4 1/2	30	0	0	4	0	Tornado
									Funnel traveled approximately 40 m.p.h. from southwest to northeast. Damage to buildings and equipment on two farms.
Cass and Crow Wing Counties	11	5p-5:15 p	30	50-700	0	3	5	0	Tornado.
									Funnel first touched down at farm west of Jenkins, then passed over city and touched down on other side moving in NE direction. Funnel on ground for most of period destroying or damaging dozens of homes and farm buildings and ripping-up thousands of trees.
NE Beardsley, Big Stone County	15				0	0	0	4	Hail.
									Small size hail continued for a long period.
Farmington Dakota County	17				0	0	0	4	Hail
									60 acres peas and 15 acres soybeans lost from hail damage.
NW Lake Benton, Lincoln County	19	3:30p-4p	1	?	0	0	3	0	Tornado, rain.
									Minor damage to buildings on two adjoining farms. Rain up to 2 1/2" south of Lake Shaokatan.
Sleepy-Eye, Brown County	19	afternoon			0	0	2	4	Hail.
									Hail damage in scattered areas. In some instances soybean losses of 100%.
Hibbing, St. Louis County	19	5p							Hail.
									One inch diameter.
Duluth St. Louis County	19	7p							Funnel cloud.
									Near Lake Superior.
Spring Valley Fillmore County	20	5:10p							Hail.
									Diameter 1 1/2 inch.
Princeton, Faribault County	20	early evening			0	0	3	3	Rain, hail.
									Inflow from Brush Creek so heavy that east branch of Blue Earth River reversed flow for 4 miles during 12-hour period. Car with four occupants swept off road near Brush Creek. Fire Dept. effected rescue.
Southwest quarter of state.	20	night			0	0	5	5	Hail, heavy rains, lightning.
									Hail golfball size fell for 45 minutes destroying about 300 acres of young corn near Window. Near Combs hail covered ground to depths up to 4 in. Lightning struck Cottonwood County Courthouse doing \$10,000 damage. Lightning also struck farm machine shed near Glenwood doing \$50,000 damage. Five inches rain caused local flooding in Kiester and Gibbon. Near New Ulm soybean & corn crops destroyed by hail along with 6 acres of strawberries. Other flooding damage in area. Other scattered hail losses reported in wide region.
11 Min. No. Greenbush, Roseau County	21	9 a-1:45p					4	0	Lightning.
									Lightning struck & burned church in Oiland killed horse on farm.
Fairfax vicinity, Renville County	21						3	4	Hail, wind & rain.
									Several farms completely hailed out. One area 3 1/2" rain fell.
Jackson County	22	4 p-5 p			0	0	0	4	Hail.
									Hail storm from Clear Lake to Peteraburg caused 100% damage to many soybean fields & lesser amounts to corn.
MINNESOTA (Cont'd.)									
Martin County	22	9 p			0	0	3	5	Wind & hail.
									In area between Trimont and Ormsby hail destroyed corn and soybeans on 50 farms. High winds smashed a farm machine building.
Crooked Lake in Mille Lacs Lake area, Crow Wing County	23	1:30 a							Ball lightning.
									Phenomena reported by Mrs. Douglas Pote, summer cottage resident. Thunderstorms were in region but none in general area. Bright ball, size of basketball, suddenly appeared 80 ft. away about shoulder height. It disappeared after 12 seconds but reappeared a few minutes later at a distance of 30 feet, somewhat diminished.
East Little Falls, Morrison County	23	11:05 p							Lightning.
									Lightning bolt caused up to 3 hour electricity blackout.
Richfield, Hennepin County	24	3 p					3	0	Lightning.
									Struck a home doing \$4,500 damage.
Clay, Norman, Mahnomon, and Clear- water Counties	24	late evening	60	?	0	0	4	0	Tornado.
									Touched down a number of times along a line from Felton to Conyick moving from southwest to north-east. Buildings damaged on at least a dozen farms.
Elk River Sherburne County	25	5 a			0	0	3	0	Lightning.
									House set afire by lightning.
Rochester area Olmsted County	25	4:22p-7:20p			1	0	4	0	Tornado, 2 funnel clouds, and wind.
									Highway Patrol reported trees down in wind at 4:22p, in Austin, Mower County. Repairman later killed by electric wires as result of storm when a \$5,000 tower blew down. Funnel sighted by coop observer NW Rochester at 4:25p. Wind gusts in city to 55 m.p.h. at 4:40p. Tornado took tops off several trees and flattened corn crib at 5:35p, 10N city causing \$1500 damage. Funnel cloud sighted over city at 7:20p.
Detroit Lakes Becker County	27	12:50a					3	0	Lightning.
									Lightning struck 2 homes.
MISSISSIPPI									
Northern Section	6-7	Night			0	0	3	4	Hail and Electrical
									Hail storms reported in Union and Webster Counties. Electrical storms and flooding reported in Madison and Winston Counties. Considerable damage to crops and timber.
Calhoun County	6	2330C							Funnel Cloud
									Funnel cloud reported at Bruce, did not touch ground.
Eagle Lake	16	11:35C	1	1000	0	2	5	2	Tornado
									Small tornado accompanied by marble size hail a few miles north of Vicksburg injuring 2, damaging or destroying several homes, home trailers and boats.
Leake County	16	Afternoon			0	0	4	2	Damaging Wind Storm
									High winds and hail caused \$20,000 damage to Drear High School. Other damage was reported at Tchula in Holmes County, in Monroe County and at Vicksburg in Warren County where several persons were injured in accidents caused by a severe thunderstorm.
Jones County	26	11:30-1500C 1 1/2			0	0	4	2	Tornado
									Tornado struck Mathews Community destroying a barn and damaging a house and other buildings.
Clay County	26	1530C			0	0	3	2	Tornado
									Small tornado damaged crops, trees and farm buildings in Prairie View Community.
Washington County	28	1400C			0	0	3	3	Tornado
									Tornado and windstorm damaged buildings, pecan trees, etc., about 6 miles west of Stoneville.
Lee County	28	Afternoon			0	0	4	2	Damaging Wind Storm
									Severe thunderstorm blew down numerous trees and damaged several houses in the vicinity of Tupelo and Nettleton.
Jones County	29	Afternoon			0	0	4	3	Tornado
									Tornado generally just touching tops of trees caused considerable damage to timber and crops and to several homes mainly by falling trees. Most damage was in the Shady Grove Community.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MISSISSIPPI (Cont'd.)									
Coahoma, Lafayette, and Lee Counties	29	Afternoon			0	0	4	5	Hail and damaging Wind Storm.
A series of hail and damaging windstorms damaged several hundred acres of crops, many trees and numerous roofs and windows, most of damage was in Oxford, Dublin, Guntown and Tupelo Communities. Hail and high winds were reported over most of the State.									
MISSOURI									
Albany JI, Centry County	5	6:00 PM					3		Tornado
Small tornado destroyed metal building and damaged barn and other outbuildings.									
Cape Girardeau County	7	5:30 PM							Funnel Cloud
Funnel cloud sighted by residents of Advance, Delta and Oran, touched down briefly in the Advance area breaking off treetops and damaging outbuildings.									
Kansas City, Jackson and Clay Counties	12	4:45 PM							Funnel Cloud
Numerous reports of funnel clouds over the Kansas City Metropolitan area with one tornado touching down briefly near Liberty in Clay County while a Hook Echo was being observed on Radar.									
Saline and Howard Counties	12	7:55 - 8:45 PM							Funnel Cloud Aloft
Funnel cloud sighted east of Marshall at 7:55 PM and again northwest of Fayette at 8:45 PM.									
Madison, 5 N, Monroe County	12	5:30 PM					3		Tornado
Small tornado damaged farm on County Route JJ, 5 miles north of Madison. Funnel clouds seen approaching farm by occupants.									
Saverton, Balla County	12	Afternoon							Funnel Cloud
Funnel cloud reported near Saverton, Missouri.									
Salisbury, Charlton County	12	3:20 PM	Narrow		4	4			Thunderstorm
Hail accumulated 3 feet deep in a rural area just northeast of Salisbury. Damage to homes, and trees by wind.									
Shelby, Mason and Monroe Counties	12	12:00 PM to 8:00 PM					5	5	Thunderstorm
Crop damage from hail, wind and heavy rains estimated close to one million dollars. Golf ball sized hail. Highways flooded. Heavy damage to trees, homes, power and telephone lines.									
Mound City, Holt County	13	11:20 PM					Minor		Thunderstorm
Hail reported 3 inches in diameter 10 miles west of Mound City.									
MONTANA									
Billings and Vicinity (Yellowstone County)	2	4:30 P.	5	*5	0	0	0	0	Thundershower and hail
Hailstones 3/4 inch in diameter fell at the airport. The hail did little damage.									
Southeastern Montana	3	Afternoon and Evening	150	*40	0	0	4	4	Thunderstorm, Hail, High Wind, Heavy Rain.
The path of the storm was from west of Billings (Yellowstone County) northeastward to Terry (Prairie County) with scattered damage throughout the area. There was considerable crop damage west of Billings and near Forsyth (Rosebud County). At the radar base in Miles City (Custer County) wind-driven hail broke 436 panes of glass. Golf ball sized hailstones were reported at Billings, and Hardin (Big Horn County). A half mile of new road was washed out in the Terry area.									
Square Butte & Geraldine vicinity (Chouteau County)	3	5:30 P.	40	*4	0	0	0	5	Hail
Largest hailstones were about one inch diameter.									
Northeast Flathead and Northwest Glacier Counties	3-4	Evening thru Forenoon	50	*40	0	0	5	0	Heavy snow
Heavy wet snow accumulating on wires toppled power and telephone lines disrupting service for several days. U. S. Highway #2 was closed for a time at Nyack due to downed trees and telephone poles. Logan Pass was closed several days because of the two snowfalls in the mountain areas of Glacier National Park. Branches were broken off trees, and young forest trees were bent to the ground from the heavy weight of the snow. This storm was one of the most severe of its type to be experienced so late in the season in the area for many years.									
Miles City vicinity (Custer County)	19	8:30 P.	?	?	0	0	4	0	Severe Thunderstorm High Wind
Wind estimated about 85 mph did considerable damage to trees and buildings in the city.									
MONTANA (Cont'd.)									
North of Lewistown (Fergus County)	28	Afternoon	?	?	0	0	0	3	Lightning
A fire started by lightning burned over 3000 acres of range grass in the Charles Russell Game Range before it was brought under control.									
Livingston, Montana (Park County)	30	5:00 P.			0	0	0	0	Funnel Cloud
A funnel cloud was sighted to the north of the Livingston airport by FAA personnel. The funnel moved to the northeast. Hail fell in Livingston for about 20 minutes during the passage of the funnel. Some hailstones were 3/4 inch diameter. No hail damage reported.									
NEBRASKA									
Spalding-Neigh	3	6p-7:15p	40	20*	0	1	5	0	Damaging Winds
Damage to farm buildings, outdoor movie screens, trailers, trees, etc. Most damage in Greeley, Wheeler, and Antelope Counties.									
Vicinity of Chadron	4	?			0	0	0	0	Funnel Cloud
Observed one mile west of Chadron, did not touch ground.									
8 mi. N. Broadwater	4	6:48 p	Short	Narrow	0	0	0	0	Tornado
Open field, no damage									
Near Alliance	5	Evening			0	0	0	0	Funnel Clouds
Several funnel clouds observed near Alliance.									
Panhandle	5	Evening	?	?	0	0	0	0	Hail
Hail up to an inch in diameter at scattered points near Alliance and Henry.									
East Central Nebraska	5	Midnight-2 a	?	?	0	0	0	0	Tornadoes and Funnel Clouds
Two tornadoes and two funnel clouds were reported soon after midnight in Boone, Madison, Platte, and Colfax Counties. Heavy thunderstorms were moving through the area but no damage resulted.									
Richardson County	12	10 p	10	1*	0	0	0	5	Hail
Hail up to two inches diameter did major damage to corn, milo, and wheat in an area extending from Preston east-southeastward to Missouri River.									
Cheyenne County	20	Early evening	10	Narrow	0	0	4	4	Hail and Damaging Winds
Five to 10 miles east of Gurtley and Dalton. Small stones driven by strong winds with crop damage up to 75%. Wind damage to trees and barns.									
Scottsbluff-Box Butte Counties	22	1:30p-6:30 p	50	6*	0	0	3	6	Hail, Rain, Wind
Numerous strips of hail within area extending from Mitchell to Alliance and Heringford. Hail ranged from very small up to 2" diameter. Most of hail was about 1/2". Heavy rainfall inundated some fields. Greatest damage to beans. Corn and sugar beets young enough for good recovery. In areas where wind accompanied hail the wheat was shattered.									
Kimball and Cheyenne Counties	23	5 p	30	4*	0	0	0	6	Hail
Marble size hail lasting 20 minutes or more in an area left ground covered and wheat stalks bare. Complete wheat loss in storm centers.									
Wauwata Vicinity	23	Night	Short	Narrow	0	0	0	4	Hail
Damage to wheat ranged from 10% at storm's edge to 100% in storm's center.									
Furnas-Harlan Counties	23	Night	?	?	0	0	?	6	Heavy Rain
Excessive rains over Sappa Creek and Beaver Creek Valleys with unofficial reports of up to 11 inches at Stanford. Some hail fell but the driving rains, and the eroding and flooding of farm lands did the major crop damage. There was considerable property damage due to flooding of rivers, but it is not included in the accompanying estimates.									
Ogallala	24	Afternoon			0	0	0	0	Funnel Clouds
Sighted northwest of town, did not touch ground.									
North Central Nebraska	24	Night	30	20*	0	0	4	4	Hail and Damaging Winds
Hail up to two inches diameter fell in several strips in the Wood Lake, Valentine, and Sparks vicinities. High winds damaged trailers and buildings in Wood Lake.									
Near Springfield	24	Night	Short	Narrow	0	0	0	0	Tornado
Touched down in open area.									
Southeastern Nebraska	27	5p	150	50*	0	0	4	5	Severe Thunderstorm
Severe thunderstorms in an area southeast of line from Adams to Lancaster Counties. Hail ranging from 1/2" to 1 1/2" diameter fell at numerous sites but damage was relatively light. Strong winds did building damage in the Henderson, Lincoln, and Beatrice areas. Heavy rains in extreme southeastern counties, but hail was sparse and light in that area.									
NEVADA									
None reported									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE	CHARACTER OF STORM			
					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS					
NEW HAMPSHIRE											NEW YORK (Cont'd.)													
Littleton	6	5 p.m.			0	0	4	0		Lightning, wind												er at Minden, Montgomery County. Numerous trees blown over and scattered power failures elsewhere in this County. Lightning killed 11 cows under tree on farm at Stanford, Delaware County. Lightning strikes caused minor to light fire damage in several homes in Amsterdam, Troy and Glens Falls. Hail up to softball size caused light damage to crops, especially in Montgomery County.		
Southern	7	P.M.			0	0	4	3		Lightning, wind, rain, hail	Rockland and Westchester Counties	7	afternoon				1	1	4		Electrical, heavy rain			
										A thunderstorm in the Bethlehem-Littleton area set fire by lightning to an inn, while winds felled trees and branches. No damage was reported due to hail which accompanied the storm.											Thunderstorm activity widespread over State during cold frontal passage but storm damage concentrated in Lower Hudson Valley. Man killed and wife injured by lightning as both sought shelter under tree at Bear Mountain Park, near Peekskill. Some half dozen homes reported struck by lightning in two counties with damage minor except one case where fire loss estimated at \$5000. Unofficial reports of 0.5 inch of rain within ten minutes. Severe flooding of low spots on highways, streets and lots.			
Plymouth	14	P.M.			0	0	3	0		Wind	Holland, Erie County	9	4:00 to 4:30 p.m.	1	35				3		Tornado			
										Scattered thunderstorms over state, with considerable wind damage to trees resulting in Plymouth area.											Tornado struck farm area one mile southwest of Holland in southeastern Erie County. Garage twisted from foundation and tipped over and metal roof partially removed from barn. Along rural road several large trees uprooted or broken off few feet above ground for about one mile. Considerable hail in storm area. Witness reported funnel cloud as storm moved from west to east. Tornado was part of very severe thunderstorms which struck wide areas of State later in evening. See below.			
Southern	15	P.M.			0	0	3	3		Wind, hail														
										Scattered thunderstorms caused mostly minor local wind damage and many reports of hail up to 1/4 inch diameter, few larger, with some crop damage.														
State	29	P.M.			0	2	4	0		Lightning, wind	Southern half, except extreme southeast	9-10	early p.m. to early a.m.					14	6	5	Electrical, wind, hail			
										Thunderstorms produced instances of lightning damage widespread over state, mostly minor. Wind felled trees and branches, with utility failures. A tree was blown onto a house at Lakeport, while a falling tree at Newport struck an automobile, injuring two occupants. Wind velocity was reported to 63 mph in gusts at Lebanon. Signs and aeriads were frequent wind victims.														Thunderstorms, the most destructive over wide areas in several years, crossed the state between afternoon and early morning hours with an enormous amount of property and crop damage between Lake Erie and the Hudson Valley. Brief but very strong winds destroyed or unroofed homes, trailer homes, large commercial and farm buildings in the vicinities of Auburn, Skaneateles, Syracuse, Cassinville, Bainbridge and Delhi as well as wrecking mail planes at Utica. Boy injured by flying debris near Syracuse, while 13 persons suffered mostly minor injuries when wind overturned several mobile homes in park north of Auburn. Winds brought down trees, limbs and utility lines in countless towns and rural areas with many reports of damage to buildings and autos, including smashing of windows and signs. Lightning-caused fires destroyed resort hotel in Sullivan County and farm buildings in Allegany, Livingston, Wyoming and Seneca Counties; two head of livestock killed by bolt in Tioga County. Hail up to one inch in diameter destroyed 350 acres of grapes in Yates County. Light to moderate hail damage to crops and windows also reported in widely separated Counties of Wyoming, Tioga and Putnes. Storm precipitation totaled from 2.0 over 3.0 inches in southern tier Counties from Chautauque to Ulster and Sullivan with severe flooding of streets basements at Olean, Salamanca, Elmira and Binghamton.
NEW JERSEY											NEW MEXICO													
										None reported														
Meriarty, Terrace County	1	12:25 p.-13:35 p.			0	0	0	0		Hail														
										Hail to 1-inch diameter.														
Edy County	1	5:30 p.			0	0	?	4		Hail, lightning, funnels aloft														
										Hail to 3/4-inch diameter in Lakewood area caused an estimated \$30,000 damage to cotton. 2 inches precipitation in 15 minutes. Lightning struck and fired crude oil storage tank near Artesia. Two funnel clouds aloft sighted.														
Chaves County	1	Late p.m.			0	0	?	0		Hail														
										Hail to 1-1/2-inch diameter south of Roswell caused damage to cotton, corn and alfalfa crops of farms east, west and south of Roswell.														
Dona Ana County	10	Afternoon			0	0	2	6		Hail, rain, lightning	Central and East Central	14	p.m.						4		Electrical			
										Hail and up to 2 inches of precipitation in area from Las Cruces to 7 miles north caused over \$500,000 damage. Damage to cotton over \$120,000, additional to onions. Hail to 3/4-inch diameter, for 15 minutes, accumulated to 8 inches deep. The poles struck and fired by lightning. Power and phone outages. Local road flooding.														Afternoon and evening thunderstorms caused scattered but locally heavy damage by wind and flooding from central counties to upper Hudson Valley. Damage to homes and cars caused by falling trees and limbs in Binghamton, Ontario, Deposit, Boonville, Rome and Utica in central valleys and at Mechanville, Saratoga Springs and local areas of Warren County in the east central part of the State. Lightning damage minor except for downed utility lines and power outages.
Guadalupe County	16	10:30 p.			0	0	5	0		Hail														
										Hail to 1-1/2 inch diameter damaged roofs, cars and signs with estimated total damage of \$100,000 in Vaughn area.														
Lea County	18	12:12 a.			0	0	?	0		Lightning	Saratoga County	25	5:20 to 6:15 p.m.						4		Heavy rain			
										Oil tank, 2 miles east of Monument, struck by lightning and exploded.											Cloudburst in vicinity of Saratoga Springs, Ballston Spa and West Milton resulted in severe flooding of streets, basements and low lying areas. Cooperative weather observer at N. Y. S. Conservation Dept. Trees Farm, Ballston Spa recorded 4.04 inches in 55 minutes. Accompanying lightning and winds caused scattered power failures and minor fires.			
San Miguel County	18	2:30 p.	3/4	Narrow	0	0	4	0		Tornado, hail														
										Tornado dipped down sharply at Trujillo, with sound of jet plane, damaging 2 houses and barn; trees and 2 vehicles. Moved water tank 3/4 mile. Hail to 2-3/4 inch diameter. Total damage estimated at \$10,000.														
Quay County	18	5:00 p.	Shert	Narrow	0	0	?	0		Tornado	Binghamton, Broome County	27	5:30 to 6:00 p.m.					4		Electrical				
										Tornado, moving southeast, about 25 miles southwest of Tucumcari damaged ranch house roof, barn, corral, and trees.											Severe local thunderstorm concentrated within city limits. Winds uprooted large trees, broke limbs and downed power lines. Two men in mail truck and another in car trapped by downed high tension wires. Bus and other traffic halted elsewhere in city by hot wires down in street. Several homes struck by lightning with minor structural or fire damage.			
Reesevelt County	18	Night	1/4	Narrow	0	0	?	0		Tornado, hail, lightning, wind														
										Haybarn demolished by wind about 10 miles northwest of Portales. 55-foot trailer house exploded in tornado 4 miles east of Floyd, another trailer house overturned. Wind estimated 80-100 mph. Hail damage to crops. Eight head of cattle killed by lightning near Dora.														
Valencia County	20	Afternoon			1	0	0	0		Lightning														
										One man struck and killed by lightning in alfalfa field while walking behind hay baler, 4 miles north of Belen, at Las Chaves.														
NEW YORK											NORTH CAROLINA													
Mohawk and upper Hudson Valleys	6	afternoon						05	C	Electrical, wind, hail	West & North	1-2							0	4	Frost, Cold			
										Squall line activity resulted in lightning and wind damage in the eastern Mohawk and upper Hudson Valleys and to other scattered local areas in east central counties. Wind destroyed silo, milk house and several small sheds on farm and tipped over house twail-												Frost and below freezing temperatures many mountain areas and a few places northern Piedmont caused light damage to gardens, fruits and vegetables.		

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

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					KILLED	INJURED	PROPERTY	CROPS	
NORTH CAROLINA (Cont'd.) South Coast	10-11						4	3	Rain, wind
	Tropical Storm Alma passed through the offshore waters, causing gusty winds and heavy rain totaling up to eight inches in 24 hours. Wind damage light, a few trees down breaking communication lines and crushing vehicles. Scattered cases of street and basement flooding due to overtaxed drainage facilities.								
Cherokee, Forsyth, Franklin, Harnett, Hertford, Hoke, Lincoln, Mitchell, Pitt, Scotland, Wake, Watauga, Wayne, Wilkes, Yadkin Counties	16	3-7 pm			1	0	5	6	Hail, electrical, wind
	Widespread thunderstorms caused hail in ten different counties, affecting a total of 200 sq. mi. in scattered patches. Main damage to tobacco in fields. Man killed by lightning while driver tractor on highway in Hertford County. Lightning killed 13 cattle under a tree in Iredell County; set several fires in different areas, damaged electric lines and appliances. Wind blew down trees in a few places.								
Forsyth, Lenoir, Orange, Pitt Counties	18	3-4:30pm				4		5	Hail, rain
	Hail damaged tobacco crop two small areas; rain flooded basement and warehouse, damaging goods.								
Craven County	23	1:30 pm					0	4	Hail
	Scattered damage to 200 acres tobacco.								
Bladen, Columbus Counties	24	3 pm					0	4	Hail
	Brief hailstorm damaged tobacco acreage ranging 10 to 90 percent.								
Cherokee County	25	1:30 pm			0	1	4	0	Wind
	Two house trailers and a poultry house destroyed by local windstorm near Andrews; one trailer occupant received head injuries.								
Buncombe, Henderson, Macon, Surry Counties	26	aftn					5	5	Hail, electrical
	Thunderstorms in mountains caused scattered hail damage to fruit crop, while lightning-set fires burned four homes and a barn with two farm animals.								
Haywood, McDowell Counties	27	aftn				4		0	Electrical, wind
	Lightning-set fire destroyed home in Marion. Scattered wind damage near Waynesville.								
Alexander, Catawba Counties	28	3-4 pm					4	3	Electrical, wind
	Lightning-set fires destroyed one home, damaged several others. Wind blew down corn and tobacco, sank boat in lake.								
Durham, Gaston, Moore, Nash, Pasquotank, Pitt, Sampson, Scotland, Union, Yadkin Counties	29	aftn					5	4	Electrical, wind, hail
	Lightning caused several fires, disrupted communications. Wind caused structural damage several areas. Hail damaged tobacco and corn.								
Cabarrus, Gaston, Mecklenburg Counties	30	3-4 pm					5	0	Electrical, wind
	Lightning caused several fires, burning a granary and damaging other buildings. Wind upset and damaged house trailer.								
NORTH DAKOTA									
Jamestown	15	9:32 a.m.							Funnel Cloud
	Reported 5 miles north of Jamestown moving southeast.								
Jamestown	15	9:40 a.m.							Funnel Cloud
	Funnel cloud sighted 5 miles north northeast of Jamestown moving southeast.								
Litchville	15	11:30 am							Tornado
	Funnel clouds sighted near Litchville touched down 4 to 5 times with no reported damage.								
Parshall	16	7:52 pm							Funnel Cloud
	Funnel cloud sighted northwest of Parshall.								
Williams County	20	evening				4		4	Tornado
	A tornado touched down 10 miles southeast of Toga exploded three grain bins, tore the roof from a house, and uprooted a windbreak. Some tennis-ball size hail accompanied the tornado.								
Walsh, Ramsey, Benson Cavalier and Pembina Counties	24	evening			1	1	4	5	Tornado, hail, and high winds
	In northeastern Cavalier County a tornado toppled a barn in which five persons had taken refuge. One of them, a 10-year old boy, was killed when the barn collapsed. One man was injured. High winds damaged property in Milton, Crystal and to a lesser extent in Grafton, where 1.67 inches rain was reported. Some crops received hail damage, which was particularly heavy in Ramsey County and in Benson County. Householders reported some hail damage to houses and outbuildings.								
Stark, Hettinger, Morton, Grant, Oliver Mercer and McLean Counties	24	noon to midafternoon					6		Heavy rain, heavy hail and wind, lightning
	Torrential rain, accompanied at times by heavy hail and high winds swept a large area in west-central North Dakota. Bucket surveys								
NORTH DAKOTA (Cont'd.)									
	established a central area where 12 inches of rain fell during the storm, much of it during the first 3 hours. Severe flash flooding caused much damage to roads, farm buildings, homes, bridges, and culverts. Twenty-three bridges were washed out. Hundreds of acres of farmland were covered with several feet of mud. The entire towns of Glen Ullie and Almont were evacuated. Much of Center's population fled to higher ground. Livestock losses were heavy. Some livestock were killed or injured by lightning.								
Scranton	24	Noon						4	Tornado, hail
	Several roofs were torn off other minor damage to homes.								
Benson & Eddy Counties	24	afternoon	10	*18		3		5	Tornado, hail, high winds
	Buildings on all farms were damaged or destroyed. 20,000 acres of crops were damaged by marble-sized hail. One hundred to 150 homes were damaged to some extent by wind and hail. A 20-mile strip the length of the county was hit by hail.								
McClusky	24	afternoon						5	Tornado, hail
	Roof torn off of home for the aged, new elementary school damaged. Farmhouses and outbuildings on 4 farms were damaged. Many store windows were blown out and nearly every house suffered broken windows. Dozens of large trees were uprooted or broken. Hail, golf-ball size, ripped into roofs and pitted siding on many homes. Cars were badly dented by the hail stones. In the Anamoose and Martin areas 100% hail damage to crops occurred.								
Grand County	24	afternoon						4	Tornado, lightning
	Farm buildings south and southwest of New Leipzig were damaged. Lightning damaged high school in Elgin. Tornado touched down again, after passing over Elgin, 6 miles northeast of town where most farm buildings were destroyed on one farm.								
Wells County	24	afternoon						3	Tornado, hail, wind
	Two sheds, a granary and a barn were destroyed near Heimdahl and other buildings damaged and moved. Nearly every building in Fessenden suffered damage from hail reported up to the size of baseballs. Two thousand panes of glass were needed to repair broken windows. Crops suffered from little to complete destruction.								
Fort Yates	24	4:30 pm							Tornado
	Tornado 10-15 miles north of Fort Yates touched down twice.								
Cass County	24	evening							High winds, rain
	At 8:35 p.m. heavy winds and rain swept through Fargo causing considerable damage. Many windows in business buildings were broken and utility and power lines were downed. Several roofs were lost on the city's north side. A radio tower was toppled. Police and firemen were swamped with calls.								
Fargo	24	8:40 pm							Funnel Cloud
	Public sighted funnel cloud during heavy thunderstorm.								
Richland County	24	8:18 pm							Funnel Cloud
	Funnel cloud was sighted 5 miles northwest of Hankinson.								
OHIO									
Northern Ohio	9	Afternoon and Evening			0	0	5		Wind, Rain, Hail, and Electrical
	A line of thunderstorms moved across Northern Ohio during the afternoon and evening leaving rain, hail, and wind damage in its wake. Hail 1 to 2 1/2 inches in diameter was reported in the Toledo area. In the Kirtland Hills area of Cleveland, 1 inch hail covered the ground and stayed on ground for 2 hours. Hail was also reported in most other Northern Ohio counties. Lightning struck high voltage lines in Lucas and Ashtabula Counties leaving many residents without power. Lightning also struck a barn in Trumbull County's Southington Township. As a result of this strike, the barn was completely destroyed by fire. High winds toppled a garage at Weymouth in Medina County. Storm moved east-southeastward across the state.								
Arcanum	13	Evening			0	0		4	Rain Electrical
	Lightning from a thunderstorm struck a barn near Arcanum in Darke County. The barn was completely destroyed by fire.								
Ottawa and Sandusky Counties	13	Evening			0	2		4	Rain, Wind, and Electrical
	High winds resulted in many trees and utility lines being blown down in Ottawa and Sandusky Counties. Lightning struck a home at Oak Harbor. Lightning indirectly caused two personal injuries.								
OKLAHOMA									
Elaine County	5	About 5:00p.	?	?	0	0	0	0	Tornado
	A tornado dropped to the ground in open country several miles west of Watonga for a brief time without causing damage.								

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (Cont'd.) Northwest Kay County	5	5:50p.-6:30p.	2 1/2	50-100	0	1	5	3	Tornado
									A tornado watched by hundreds in the evening twilight touched the ground 6 miles west and 2 1/2 miles north of Blackwell where it remained for about 20 minutes before moving southward across a farmstead. The 2-story home was moved 12 feet off the foundation and heavily damaged along with the barn and all the outbuildings. A home one mile south received extensive damage and a lady was cut badly on the leg. A granary, garage and machine shed were also demolished as the tornado then continued southeast to destroy another barn and storage shed. It then swung eastward a short way and dissipated about 4 miles west of Blackwell.
Erid, Garfield County	5	6:30p.-7:15p.	7 1/2	50-100	0	6	6	4	3 Tornadoes, 2 funnels aloft, and hail
									Tornado #1 formed about 6:30 PM near Lake Bellums 4 miles north of the Erid city limits. It came to the ground and moved eastward for about 4 or 5 miles across open country before pulling back up into the clouds. Tornado #2 formed in the same area at about 6:35 PM but moved south-southeast towards north Erid where 3 mobile homes were destroyed and 3 others damaged at a trailer court. Also one home was destroyed and 13 damaged. Eighteen people escaped any injury or bruises as they hugged the floor of one home in the 2800 block of N. 6th while the tornado took off the roof. The skipping path also hit the Rock Island Railroad yards where 4 boxcars were overturned and a large truck garage destroyed. Most of the damage occurred in northeast part of Erid about 6:55 PM when the tornado stayed on the ground along a 6-block strip from Cherry to Chestnut Avenues between 11th and 12th Streets. It then lifted and moved along for 1.3 miles at tree and rooftop level before it moved out of the city limits near Market Avenue and 20th Street. One man failed to reach his store cellar as the tornado arrived and had to cling to an elm tree while his home was demolished just a few feet away. Only 6 persons were injured in this tornado. This heavy damage area included 7 homes destroyed, 8 homes with major damage, and 102 with minor damage. Many trees, electrical and telephone lines were downed with 1,000 phones put out of service. Two funnels aloft were also sighted over the City during these tornadoes. Hail was reported in most parts of the City with stones averaging 3/4-inch size and covering the ground one inch deep in places. Some stones up to 2-inch size were reported but softness prevented extensive roof damage. Tornado #3 was small and first touched down just after 7:00 PM in the southwest part of Erid where signs were damaged at the Westgate Shopping Center and tall pillars were toppled at an apartment along Kisher Drive. The tornado sucked some water from a swimming pool, toppled cars and caused scattered light damage as it moved southward across Ramona Drive, Johnson Street and damaged a dairy barn along Norman Road. This light-colored tornado was also sighted on the ground briefly between Vance Air Force Base and Waukosis.
Lamont, near, Grant County	5	6:30p.-6:50p.	1 1/4	150	0	0	3	2	Tornado and hail
									A small tornado first struck 4 miles west and 1.5 miles south of Lamont. It slammed through rows of trees, hedge rows, and fences on three farms as it moved northeasterly. Two granaries were blown away and the roof of a home damaged while a second farm lost two swine sheds and a windmill. Hail up to 3/4-inch size fell in the storm area west of Lamont.
Drummond, Garfield County	5	6:55p.	3	75	0	0	4	3	Tornado
									A small tornado hit on the south side of the City and moved south-eastward along an erratic path. Some property and ripe wheat were damaged.
Stillwater, Payne County	5	7:45p., 9:00p.					3	0	2 Funnels aloft
									Civil Defense spotters sighted one funnel aloft just west of Stillwater and moving eastward at 7:45p. A second funnel aloft was sighted briefly to the northwest of the City shortly after 9:00p.
Logan County	5	8:00p., 8:30p.					0	0	Funnel aloft and hail
									Storm spotters sighted a funnel aloft moving eastward near SH51 just to the southwest of Orlando. A 15-minute hailstorm across the northwest part of Crescent about 8:30 PM covered about one-third of the ground with 3/4-inch size hail along a path 1.5 miles by 300 yards moving northeast. No damage reported.
Texas County	5	About 8:00p.	14	?	0	0	?	?	Hail
									A small but vicious thunderstorm moved eastward along the southwest border. The hail swath started about 14 miles west of Texhoma and cut south of the town. Wheat damage ran from minor to a total loss with at least some hail damage estimated for 8,000 acres.
Kingfisher, Kingfisher County	5	8:10p.-8:45p.	?	?	0	0	?	?	Hail
									Hail covered the ground during the height of the storm with stones averaging 1/2-inch size and a few up to 2-inch size. Some leaves were shredded.
Perry, near, Noble County	5	8:30p., 8:45p.					0	0	Funnel aloft and hail
									Storm spotters sighted a funnel aloft about 4.5 miles southwest of Perry and it was believed to be moving northeastward. Hail up to 3/4-inch size fell over a 4-square-mile area covering the ground one inch deep in places. No damage reported.
OKLAHOMA (Cont'd.) Minco area, Grady County	5	About 9:00p.	?	?	0	0	?	?	Hail
									Hail fell in the northwest part of the County with stones up to 1-inch size reported 8 miles southwest of Minco. A few stones of 2-inch size also fell with a lot of the larger hail reported near the Button area.
Westville, Adair County	6	2:45a.	?	?	0	0	?	?	Funnel aloft and wind
									Heavy thunderstorms moving eastward at 20 miles per hour across the area produced one funnel aloft and high winds estimated at 70 to 75 miles per hour. Some trees were toppled, power lines snapped, shingle and sheet iron roofing torn away and TV antennas twisted.
Guyton area, Texas County	7	1:00a.-2:03a.	11	*10	0	0	5	4	Hail
									A hail storm moved southeastward from just north of Guyton towards Hardesty. Stones averaging 1-inch size with a few up to 2 5/8-inch size were reported just northwest of Guyton. County Agent reported wheat damage 10 to 20 percent around the edge of Guyton, while yards in the City had hail marks and trees were damaged.
Muskogee area, Muskogee County	7	12:54p.-1:00p.			0	0	4	0	Wind
									Straight winds estimated gusting at 105 miles an hour lashed Davis Field south of Muskogee as strong thunderstorms moved southeast across the area. The airlines weather observer said the wind gage showed 90 miles per hour before it was broken and that the velocity increased after that. At Muskogee a mobile home permanently fixed to a foundation was blown over and a small utility building was demolished. Seven miles south of Muskogee at Summit two farm homes were damaged and several small outbuildings were destroyed or heavily damaged.
Ellis and Woodward Counties	7	5:30p.-8:30p.	50	*15	0	0	4	5	Tornado, hail, and rain
									Strong thunderstorms moved across the southern half of Ellis County into the southwest quadrant of Woodward County. The Arnett airport manager reported a tornado on the ground briefly about 5 miles south of the City near 6:00 PM. It moved eastward without damage. Hail averaging 3/4- to 1 1/2-inch size smashed wheat and roofs across the area with the ground covered in many places 2 to 4 inches deep. North of Arnett some 40 families suffered wheat loss up to 50 percent on 800 acres. Hail fell for 20 minutes in the Shattuck area just after 6:00 PM with many areas south and west of the City running from 60 to 70 percent wheat loss and some 10 to 15 sections of crops damaged. Wheat loss was 100 percent on some farms to the south and east of Gage. Wind gusting up to 50 MPH at Gage PA was accompanied by 2.32 inches of rain and hail up to 1 1/2-inch size. One plane was damaged. Unofficial rainfall totaled up to 6 inches east of Gage where flash flooding on Little Wolf and Buzzard Creeks flooded three homes, destroyed 37 head of livestock and 600 chickens. Scattered hail damage in the southwest part of Woodward County was greatest along a 3 1/2- by 4-mile path centered 6 miles southwest of the Sharon Community. Stones measured up to 1 1/2-inch size and covered the ground 4 inches deep in places. An estimated 400 acres of wheat and barley crops across 8 sections were destroyed completely. An estimated 3 inches of rain caused Persimmon Creek to flood 100 yards out of its banks about 3 miles east of Sharon. Hail damage 95 percent of \$491,200 total.
Pensacola-Sparvinaw, Mayes County	7	9:00p.-9:50p.							Funnel aloft
									Heavy thunderstorms moving southeastward across the area were accompanied by one funnel aloft which was sighted briefly over Pensacola and again over Sparvinaw.
Jackson County	8	About 4:40p.-5:30p.	20	*5	0	0	?	?	Rain
									Hard local rain south of Eldorado and extending eastward furnished unofficial totals up to 4 inches which washed fields and damaged hundreds of acres of young, dryland cotton. Four owners near Eldorado had considerable loss with one farmer reporting loss of 117 acres of cotton.
Hinton, Caddo County	8	5:30p.-6:10p.	1/2	300	0	0	4	0	Tornado and 4 funnels aloft
									A family of 4 funnels aloft developed out of a heavy thunderstorm which moved southeastward across the Hinton area. The funnels appeared about one-quarter mile apart while one tornado hit and destroyed a barn on the west side of town. It then hopped over Hinton going right down main street and tore up a home on the east side of town before raising.
West-central Caddo County	8	6:00p.	5	*1/2-1	0	0	0	?	Hail
									Hail in the Carnegie-Fort Cobb Lake area averaged 1/2-inch size with damaging hail up to 1-inch size reported along a path from 5 miles north of Carnegie to the Fort Cobb Lake area. Stones covered the ground 1 inch deep in places as the storm moved north-eastward.
Cowden, near, Washita County	8	6:00p. Short Narrow			0	0	0	0	Tornado
									A small tornado was sighted on the ground briefly just east of Cowden. No damage reported.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (Cont'd.) Southwest Logan County	8	6:50p.	1	1	0	0	1	1	Funnel aloft and hail
A funnel aloft was sighted briefly about 3 miles north-northwest of Waterloo and was traveling northeastward. Some hail damage occurred in the rural area 11 miles southwest of Crescent where 90 percent of the ground was covered by stones averaging 3/4-inch size and largest up to 1 1/2-inch size. This hail path moved east-northeast with wheat damage up to 7 percent.									
Gracemont, near, Caddo County	8	7:20p., 7:25p.	Short	Narrow	0	0	0	0	Tornado and funnel aloft
A severe storm observer sighted a small tornado on the ground briefly in open country about 4 miles southeast of Gracemont at 7:20p. A second funnel formed at 7:25 p.m. just south of the dissipated tornado but remained aloft and was out of sight in 5 minutes. No damage reported.									
Edmond, Oklahoma County	8	7:27p.							Funnel aloft
A funnel aloft was observed briefly one mile northeast of the City and was moving northeast.									
Oklahoma County	8	7:30p.- 9:30p.	30	*25	0	0	5	0	Wind, electrical
Heavy thunderstorms moving eastward across Oklahoma City caused scattered wind damage. Winds at Wiley Post Airport, Bethany, measured up to 85 mph per hour between 7:46 PM and 7:54 PM when FAA personnel evacuated the control tower. Four aircraft and a T-hanger were damaged. A sail-boat was overturned at Lake Hefner and a boat dock and a private sail-boat club was damaged at the east side of the lake. Wind and rain knocked out 1,000 telephones of a northside exchange. Lightning damaged five homes on the City's northside, while other strikes over the City downed several power poles and caused a 70-minute blackout in the southeast section. Numerous reports of hail were received from the northwest part of the City.									
Jackson County	15	2:00a.- 4:30a.	15	*10	0	0	4	3	Wind
The Blair-Altus area was lashed by an early-morning thunderstorm with winds at Altus Air Force Base gusting to 75 MPH. Considerable tree and limb damage reported with some windows broken and a theater marquee heavily damaged. Some young cotton was also damaged.									
Kay and Noble Counties	15	4:30p.- 6:00p.	55	*20	0	0	4	4	Rain, hail, wind, tornado, and electrical
Heavy rains in the Braman area unofficially totaled 3 to 5 inches with hail up to 1 1/2-inch size damaging 10 quarter-sections of wheat from 20 to 100 percent. High winds struck both counties with gusts up to 60 MPH about 5:30 PM reported at Blackwell and Ponca City. Wind demolished a trailer home near Braman and caused widespread damage. A tornado was observed on the ground about 4.5 miles southwest of Harland at 6:00 PM. It moved eastward along a 300-yard path and knocked over a combine, damaged a truck, barn, stock feeder, trees, and patio roof. Lightning heavily damaged a home at Ponca City, set fire to three oil tanks, and damaged several trees. Tankwags also reported gusts up to 60 MPH with 3/4-inch size hail drifting in the streets like snow at 5:30 PM. Hail 35 percent of \$58,000 total, rain 10 percent, wind 30 percent, tornado 10 percent, and electrical 15 percent.									
Northern Blaine County	15	5:30p.- 6:00p.	5	*1 1/2	0	0	4	4	Hail
Hailstorms moved southeastward across the County. Some cotton was hit in the Okene and Greenfield areas. High wind accompanied the main hail path at Okene where stones averaged 1/2-inch size and ranged up to 1 1/2-inch size. Trees, shrubs, flowers, and gardens were shattered with lawns covered by hail.									
Northeast Oklahoma	15	7:00p.- 9:00p.	120	*70	0	0	5	0	Wind, hail, and electrical
A line of thunderstorms moving southeastward across the area packed damaging winds with gusts at Bartlesville measuring 63 MPH at 7:00 PM when trees and numerous power lines were downed. Dewey Airport recorded wind gusts to 80 MPH before the gage failed and even greater gusts were estimated at 100 MPH at 7:50 PM. Hail at Dewey measured 1-inch size about 8:00 PM. Tulsa Weather Bureau Airport Station recorded gusts to 53 MPH at 8:00 PM with downtown winds estimated at 70 MPH blowing over a pedestrian walkway at a construction site and knocking out a few windows. Wind damage was general over the entire area. Two fishermen at Lake Eufaula were swept from their boat and tossed about in the lake for four hours before drifting ashore. Lightning struck and burned a new home at Bixby.									
Kingfisher, Kingfisher County	15	7:28p.- 7:35p.	?	?	0	0	0	?	Hail
Hail fell in the City covering about 25 percent of the ground with stones varying from 1/2- to 1-inch size. Some tree damage was reported.									
Southern Craig County	15	About 7:30p.			1	2	3	0	Electrical
A lightning bolt struck near an automobile traveling a county road just west of Big Cabin. The frightened driver threw her hands over her face and the automobile wrecked. One person was killed and two injured.									
OKLAHOMA (Cont'd.) Grady and McClain Counties	15	7:55p., 8:15p.- 9:00p.	3	*1	0	0	0	4	Funnel aloft and hail
A funnel aloft was sighted near the Middleberg Community in Grady County and was moving northeast. Hail fell along a 3-square-mile path from the County Line across Elahard. Stones averaged 3/4-inch size and ranged up to 1 1/4-inch size. Wheat loss of \$5,000 was also reported 7 miles east-northeast of Tuttle between 8:30 PM and 9:00 PM.									
Canadian, Oklahoma, and Cleveland Counties	15	8:03p.- 9:00p.	45	*25	0	0	5	0	Wind and hail
A line of thunderstorms moved southeastward across the area with high straight winds causing extensive scattered damage. Wiley Post Airport recorded 58 MPH at 8:03 PM; Oklahoma City Weather Bureau Airport Station 53 MPH at 8:22 PM, and Norman 63 MPH about 8:30 PM. Numerous trees and limbs were downed, while at Yukon an auto dealer had a block wall partially blown down. A lumber company and auto repair shop at Warr Acres were partially unroofed and several autos damaged. A service station was also partially unroofed in south-east Oklahoma City and several homes damaged. A 1400-foot AM-FM radio tower was also toppled 3 miles east-southeast of the city center of Moore. A heavy downpour of rain was accompanied by 1/2-inch size hail over most of the area; 3/4-inch size at the Will Rogers Airport at 8:35p. and 1-inch size in the 7800 block of NW 6 at 8:15 PM to 8:42PM and also at Del City at 8:45 PM. Stones up to 1 1/2-inch size were reported in Oklahoma City in the 4600 block of NW 32nd at 8:20 PM, 2100 block NE 14th, 7000 block of South Country Club at 8:35 PM, and also 2 miles east of Mustang.									
Weatherford, Custer County	15	8:15p.- 8:30p.	2	*1	0	0	?	?	Hail
Weatherford was hit by a hail storm of 3/4-inch size stones and largest of 1 3/4-inch size. The ground was covered in most places 1 inch deep as the storm moved southeast.									
Dill City, near, Washita County	15	About 8:50p.							Funnel aloft
A funnel aloft was observed for a few moments about 4 miles west of Dill City.									
Checotah, near, McIntosh County	15	10:00p.							Funnel aloft
An Oklahoma Highway Patrol unit sighted a funnel aloft that nearly touched the ground about 2 miles west of Checotah. The funnel moved southward.									
South-Central Oklahoma	15-16	10:00p., 15th - 3:00a., 16th			0	0	4	0	Wind
Scattered wind damage over the area extended from Pauls Valley to Marietta and eastward across Lake Texoma. Winds damaged trees, roofs, signs, and sank numerous boats on Lake Texoma where the National Sand Bass Festival was in process.									
Comanche County	15	10:50p.- 11:45p.	15	*10	0	4	5	3	Wind and hail
A cold front pushing into the Lawton area furnished high winds out of the north and northwest which damaged homes and businesses and injured four persons. Fort Sill measured gusts to 81 MPH at 11:03 PM and hail up to 3/4-inch size. Wind gusts at the municipal airport were clocked at 120 MPH. Downed lines caused 900 telephone outages and extensive electric outages in about half of the City and for about 6 hours and with 400 electric house services torn down. A roof of a building was ripped off at Westaroma Shopping Center and the block walls of the new Montgomery Ward and Company store were blown down. Cameron College damage included a downed scoreboard and some roof and water damage at South Hall. Four trailer homes were blown over and numerous homes received damaged roofs and patio covers. Four cars were washed into a flooded underpass.									
Wewoka, near, Seminole County	15	About 11:00p.			0	0	4	0	Electrical
Lightning struck and damaged a six-tank oil storage battery about 6 miles west-southwest of Wewoka.									
Altus, Jackson County	26	3:15p.			0	0	0	0	Wind
Wind gusts up to 58 MPH were recorded at Altus Air Force Base. No damage was reported.									
Enid, near, Garfield County	26	Evening			0	1	0	0	Electrical
A boy was injured by lightning at his rural home near Enid when walking under a tree.									
OREGON Southwest of Eugene	2	Late evening			0	0	0	0	Funnel cloud
Funnel cloud reported for brief period but not known to have touched ground at any point.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
OREGON (Cont'd.) Forest Grove, 12 miles northwest	23	Late afternoon	1/4	60 at widest point	0	0	2	3	Tornado	SOUTH DAKOTA (Cont'd.) NE Harding and NW Perkins Counties	4	6:00-6:35 P	30	*2-8	0	0	4	4	Hail	
									Very small short-lived tornado, moved from southwest to northeast through corn field and prune orchard. 20-25 prune trees uprooted. No other significant damage known to occur. Heavy short period rain occurred at the time, but no hail or lightning was reported.										Storm moved from W to E. Hail covered ground 5 inches deep with drifts 6 feet deep 10 miles NW of Lodgepole. Precipitation totaled 5.50 inches during storm at this station. Hail averaged 1/2 inch but about 20% was golf ball size.	
PACIFIC AREA				None reported						Oelrichs	9								Late season frost	
PENNSYLVANIA																			Minimum temperature 31. Frost damaged tomato plants.	
Southeastern Counties	14	Afternoon					4		Thunderstorms	W of Aberdeen	15	1:00 P							Funnel aloft	
									Strong winds accompanying the storms downed many trees and several utility lines in the suburbs of Reading. Near Avondale, lightning fired a mushroom house with loss estimated at \$2,000.	Springfield-Tyndall-Olivet-Freeman-Canistots	19	Evening				5	4		Hail	
Philadelphia and Doylestown	27	Night					3		Thunderstorms	Rapid City	20	2:50 P			0	0	0	0	Hail	
									Lightning from the storms touched off several fires in homes and knocked out a number of power transformers. Damage was relatively light.										Hail 3/4 inch in NW part of city but no damage reported.	
State-wide	28	Afternoon					5		Thunderstorms	Aberdeen 10-15SW	21	9:23 P							Funnel aloft	
									Six barns and several homes were fired by lightning across the State. A number of other buildings were struck but no fire ensued. Strong winds downed numerous trees.	Aberdeen 13SW	21	10:17 P								Funnel aloft
PUERTO RICO				None reported						Langford 75W	21	10:40 P	?	?	0	0	0	0	Tornado	
RHODE ISLAND																			Funnel touched down briefly with no damage reported.	
Northern Rhode Island	24	4:00 p-6:00 p			0	0	4	0	Thunderstorms	Fairburn	22	3:00-3:15 P	3	200	0	0	4	0	Tornado	
									Heavy rain contributed to auto accident in which one person was seriously injured. Major lightning damage occurred in East Providence where a main power cable was severed. Power was disrupted in many parts of Providence and Warwick.										Tornado moved through Fairburn and northeastward damaging buildings on several ranches.	
SOUTH CAROLINA										Banning	22	5:30 P	?	?	0	0	4	0	Tornado	
Dillon County	10	morning and afternoon					4	5	Heavy rain and flooding										Several buildings destroyed.	
Camden, Kershaw County	25	5:30 p-6:00 p					3		Thunderstorm and wind	Rapid City 10NE	22	6:00 P					0	0	Tornado	
Marion County	25	4:30 p-5:30 p	2	300			2	5	Hail and thunderstorm										Touched down briefly with no damage reported.	
Greenville and Spartanburg Counties	29	afternoon		1			4	3	Thunderstorm, hail and lightning	Rosebud 4W	22	7:30 P			0	0	0	0	Tornado	
Clio, Marlboro County	29	6:30 p					4		Small tornado										Touched down in open country.	
SOUTH DAKOTA										Pierre 30W	22	7:38 P			0	0	0	0	Tornado	
Rapid City and Vicinity	2	3:30-4:00 P			0	0	3		Hail	Rosebud	22	8:35 P							Touched down in open country.	
									Hail up to 1 1/2 inch in diameter covered the ground up to 3 inches deep. The hail was soft and did not cause extensive damage. The hail fell in the city and to the north and west.	Rosebud 4W	22	9:24 P			0	0	0	0	0	Tornado
Kimball 17NE	3	Before 5:00 P							Tornado	Platte 10NE	22	11:40 P			0	0	0	0	Tornado	
									Apparently tornado touched down in open country with no damage reported.										Touched down in open country.	
Wessington Springs	3	5:30 P							Hail	Aberdeen 25SE	23	8:50 P							Funnel aloft	
									Hail up to 2 inches in size but no damage reported.	Dupree 15W	24	PM							Funnel aloft	
Huron	3	6:23 P							Hail	Aberdeen 20SSW	24	PM			0	0	3	0	Tornado	
									Hail up to 1 inch in size but no damage reported.										Touched down briefly damaging several buildings.	
Miller and St. Lawrence Area	3	6:30-7:00 P	12	*6			5	4	Hail	Winner area	24	PM							4 funnels aloft	
									Hail up to baseball size caused extensive damage to roofs and cars and some damage to crops.	Mort Mission 20S	24	PM								Funnel aloft
NE of Yankton	3	Before 8:00 P							Tornado	Wolsey	24	8:47 P							Funnel aloft	
									Apparently tornado touched down in open country with no damage reported.	Ferney and vicinity	24	About 9:30 P	10	?			4	0	Tornado	
Gregory	4	9:30-10:00 P	1	800	0	0	5	0	Tornado										Tornado apparently traveled from about 4 miles W of Ferney to about 6 miles E damaging or destroying a number of buildings.	
									Apparently funnel touched down briefly several times as it moved from SW to NE.	Rapid City and Vicinity	27	5:00 A			0	0	0	0	0	Earthquake
																			Numerous reports were made from various parts of city in regard to moderately strong earth tremor. Reports also came from Black Hawk, Deadwood, Keystone, Rapid City 13W and Rapid City 10N. No structural damage reported by windows and dishes rattled.	
										Hoven	27	PM			0	1	0	0	0	Hail
																			Small amount of hail up to baseball size injured one farm hand. A gash on his head needed 4 stitches to close.	
										TENNESSEE										
										Columbia, Maury County	6	10 a.			0	0	3	0	0	Lightning
																			House and electrical appliances damaged by lightning-induced fire.	

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TENNESSEE (Cont'd.) Cookeville, Putnam County	6	a.m.			0	0	3	0	Wind, rain, hail and lightning
Memphis, Shelby County	7	8:30 p.			0	0	4	0	Lightning, rain and hail
Southeast	16	p.m.			0	0	30	C	Wind, hail and electrical
Clarksville, Montgomery County	16	2 p.			0	0	2	0	Lightning
Hartsville, Trousdale County	16	3 p.	short narrow	0	0	4	0	C	Tornado
Norristown, Hamblen County	16	7:50 p.			0	0	3	0	Lightning
Knoxville, Knox County	16	9:30 p.			0	0	5	0	Lightning
Copperhill (area), Polk County	25	p.m.			0	0	?	0	Wind
Knoxville, Knox County	25	p.m.			0	0	5	0	Wind
Bluff City, Sullivan County	26	p.m.			0	0	3	0	Lightning
Giles County	28-29				0	0	?	0	Lightning, rain, hail and wind
Bristol, Sullivan County	29	3 p.			1	0	0	0	Lightning
TEXAS									
NE Hutchinson Co.	5	evening	?	*4	0	0	?	?	Hailstorm
SW Texhoma, Sherman Co.	7	1:00 a.	?	?	0	0	?	?	Hail, rain, windstorm
Brownfield, Terry Co.	7	7:00 p.	?	?	0	0	?	?	Hail, sand, windstorm
Gray and Wheeler Counties	7	night	?	?	0	0	?	?	Wind and hailstorm
Marfa, Presidio Co.	9	3:45 p. 4:40 p.	?	?	0	?	6	?	Hail, windstorm
TEXAS (Cont'd.)									flying glass. All home gardens and fruit trees were destroyed or stripped. Homes suffered roof and window damage. About 90 percent of the shade trees in Marfa were stripped of leaves. Several flat topped business buildings had hail stacked 18 inches and the weight of the frozen ice lumps caused the roofs to sag and leak.
Barry, Navarro Co.	10	7:00 a.			0	0	?	0	Lightning
Lubbock, Lubbock Co.	10	2:45 p- 3:40 p			0	19	6	?	Wind, hailstorm
Hale, Lubbock, and Swisher Counties	10	4:00 p	55	*3	0	0	5	7	Hail, windstorm
IE Abernathy, Hale Co.	10	afternoon	?	?	0	2	?	?	Windstorm, hail
Swisher County	10	7:30 p- 9:00 p	35	*2	0	0	5	5	3 tornadoes, hail, windstorm
Denton County	12	6:45 p	?	?	0	0	?	?	Tornado, wind-storm
Grapevine, Tarrant Co.	12	7:00 p	?	?	0	6	5	?	Windstorm, rain
Pampa, Gray Co.	14	1:30 p- 3:05 p	?	*2	0	0	6	4	Hailstorm, tornado

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
TEXAS (Cont'd.)											
Carson County	14	afternoon	20	*10	0	0	?	?			Hailstorm, heavy rain Hail and heavy rain flattened an area of wheat land about 20 miles long and 10 miles wide from Lark to Whiteseer in eastern Carson County. Damage to ripened wheat varied from about 10 percent to 100 percent. Frestin Hardin, owner of the Lark Elevators, Inc., estimated the loss to his 50 customers at about 250,000 bushels.
13E Dumas Moore Co.	14	afternoon	?	?	0	0	?	?			Tornado A tornado unroofed a barn on the Arlie Maxwell farm 13 miles east of Dumas.
5 Cotton Center Hale Co.	16	7:50 p	short	narrow	0	0	?	?			Tornado A tornado touched ground briefly in open farmland south of Cotton Center. No damage was reported.
5 SW Hale Center Hale Co.	16	8:45 p									Funnel aloft
5 SW Plainview Hale Co.	16	9:09 p									Funnel aloft
Near Olton Lamb Co.	16	night									Funnel aloft
La Marque Galveston Co.	17	2:45 p	?	?	0	0	?	?			Hailstorm, wind Hailstones up to 1 3/4 inches in diameter smashed hundreds of window panes in La Marque. Winds estimated at 70 miles per hour overturned a camper truck.
NW Borger Hutchinson Co.	17	4:10 p- 4:12 p	short	narrow	0	0	0	0			Tornado A tornado touched ground for about two minutes in open ranch country approximately six miles north and four miles west of Borger. There was no damage.
SE Amarillo Potter and Randall Counties	17	4:20 p- 8:00 p	18	*4	0	0	6	?			Hail and windstorm A severe hail and windstorm struck the southeastern section of Amarillo resulting in property damage estimated by insurance adjusters at \$2,000,000. The storm began in the northeastern section of this city, enlarged, and moved southward, ending in the area about five miles east of Canyon in Randall County. Most of Amarillo received some hail during the storm, but the heaviest fall and the greatest destruction was in the southeastern section. About 8,000 insurance claims were filed. Hailstones averaged between one and one-and-three-quarter inches in diameter with largest hailstones two-and-three-quarter inches in diameter. Winds were estimated at 70 to 80 miles per hour in southeast Amarillo. A roof was blown off a hangar at Tradewinds Airport, and two smaller buildings were blown over, but no airplanes were damaged. A wall was blown down on an office building being built at the construction site of Cummins Diesel Sales on U. S. 287 east of Amarillo. Hailstones smashed through 20 window panes on the north and east sides of the E. H. Billingsley residence of 1103 W. 18th Street. Large signs were smashed by the hail, or blown down by the wind. High winds toppled two mobile homes at Turnleweed Trailer Park, 2909 South Grand Street. Winds also ripped off three-fourths of the roof on a 200-foot hay barn in the western stockyards. Hail smashed out about \$1,500 worth of glass at the Boston Greenhouse, 2700 Fillmore Street. Torrential rains accompanying the storm flooded streets and underpasses and stalled automobiles. Irrigated wheat and maize in the rural areas suffered extensive damage. The Weather Bureau office at Amarillo Air Terminal measured 2.70 inches of precipitation.
SE Lamb County	17	7:00 p- 7:30 p	16	*3	0	0	?	?			Hailstorm, funnel aloft Hail, averaging about one inch in diameter severely damaged 3,500 to 5,000 acres of early cotton and feed in southeastern Lamb County. The areas around Spade and Anton were the hardest hit. The largest hailstones were three inches in diameter. The hail covered the ground in places to a depth of two inches. The hail damaged roofs and broke window panes of several rural homes in the area. One funnel cloud was sighted aloft in the area.
11 NW Big Spring Howard Co.	17	8:30 p- 9:30 p									funnel aloft
6E Olton Hale Co.	17	8:45 p	?	?	0	0	0	?			Tornado A tornado touched ground in open farm land about six miles east of Olton without causing any damage.
NW Reese AFB Hockley Co.	17	11:41 p	?	?	0	0	0	?			Tornado A tornado was observed on the ground five to 10 miles northwest of Reese AFB. No damage was reported.
Dallas, Hartley, Moore and Sherman Counties	17	evening	40	*7	0	0	?	?			Hailstorms An estimated one million bushels of ripened wheat were hailed out in one hailstorm with a path 40 miles long and extending from 5 miles west of Dumas to 3 miles west of Etter to Stratford, and to Texhoma. The damaged area was along the Moore and Sherman County lines. Another hailstorm the same evening caused considerable crop damage 20 miles east of Dumas.
SW Brownfield Terry Co.	17	night	?	?	0	0	0	?			Tornado A tornado touched ground briefly in open farm land about eight miles northeast of Brownfield, no damage was reported.
TEXAS (Cont'd.)											
6S Roundup Lamb Co.	17	night	?	?	0	0	0	?			Tornado A tornado hop-scotched across open farm land about 6 miles south of Roundup in southeastern Lamb County but caused no damage.
Near Levelland Hockley Co.	17	night	?	?	0	0	?	?			Hailstorm Hail up to 1 3/4 inches in diameter damaged crops near Levelland.
SW Harris Co.	18	12:20 p- 12:25 p	short	narrow	0	0	?	?			Tornado A small tornado carried away a 1000-square foot barn from the William White place in Missouri City Estates near Stafford. The funnel stayed on the ground for about five minutes. A funnel aloft, thought to be the same cloud after it had lifted above the ground, was observed southeast of Andrau Airport off Westheimer Road.
40 SE College Station Grimes Co.	18	afternoon									Funnel aloft
13S Richmond Fort Bend Co.	19	afternoon			0	0	4	0			Lightning Lightning set fire to five oil tanks at Thompson's oil field, 13 miles south of Richmond. One tank was hit by a bolt, and the fire spread to the other tanks. Damage was estimated at \$31,000.
Corpus Christi Bay	20	10:40 a									Funnel aloft
24 NW Dalhart Dallam Co.	20	10:33 p- 10:38 p	short	narrow	0	0	0	?			Tornado Tornado touched ground for about five minutes before receding into the cloud.
15 SW Palacios	21	7:46 a									Funnel aloft
5W Kingville Kleberg Co.	21	9:08 a- 9:14 a									Funnel aloft
Near Ellington AFB Brazoria Co.	22	10:34 a- 10:39 a									Funnel aloft
11 S Ellington AFB Brazoria Co.	22	11:11 a- 11:16 a									Funnel aloft
25 NE Palacios Matagorda Co.	23	5:42 a									Funnel aloft
17 NW Dalhart Dallam Co.	25	5:32 p	?	?	0	0	0	0			Tornado Tornado observed moving across open ranch land. No damage reported.
Caddo Mills Hunt Co.	30	4:30 p	?	?	0	1	?	?			Windstorm R. L. Putnam, a service station operator was cut by flying glass when thunderstorm winds blew out a large window at his station. Three windows were blown out at the Cross Lumber Company, and the Masonic Hall nearby.
UTAH											None reported
VERMONT											
State	6	P.M.			0	0	4	0			Lightning, wind Lightning set fire to barns and silos at Orwell, with scattered lightning damage elsewhere. Wind felled trees and limbs, with utility outages in various localities.
Southern	7	P.M.			0	0	3	0			Wind Thunderstorms caused locally damaging wind for second day in row, with trees and utility lines as victims.
State	14	P.M.			0	0	4	0			Wind Wind accompanying scattered thunderstorms caused local damage in many areas. A home at McIndoes Falls was damaged by a falling tree. Utility lines suffered outages. Some hail in southern sections, but no reports of damage.
State	29	P.M.			0	0	4	3			Lightning, wind, hail Thunderstorms caused scattered lightning damage. Wind broke tree limbs and felled trees, with utility service losses. Local damage in Bellows Falls area was thought by some to be reminiscent of a small tornado. Hail fell in many localities, with some reports up to near 3/4th inch size. Crop damage mostly minor.
U. S. VIRGIN IS.											None reported
VIRGINIA											
Near Ashburn, Loudoun County	14	2:30p.m.			0	0	5	0			Wind Gusty winds during a thunderstorm destroyed a huge dairy barn and a feedhouse, and damaged two silos. A few trees were uprooted in the vicinity.
Buckingham County	16	5:30 p.m.	1 1/4	100	0	0	3	0			Tornado A small tornado moving east along Route 60 about 1 1/4 miles east of Appomattox - Buckingham County line was reported by a weather bureau official who visited the site. About 75 to 100 trees were broken off or uprooted.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

JUNE 1966

DELAYED DATA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
VIRGINIA (Cont'd) Most of State	16	5-8 p.m.			1	0	4	0	Wind, Lightning, and Hail
<p>A line of thunderstorms moving eastward caused wind and lightning damage in several scattered areas. A boy was killed by lightning about five (5) miles from Wise in Wise County. Wind damage to trees, automobiles, utilities, roofs, and barns was reported. A large tobacco barn was demolished by wind in Southeast Buckingham County. Hail up to 3/4 inches in diameter was reported in two Buckingham County localities; one about five (5) miles northwest and the other about nine (9) miles north of Buckingham Court House. Lightning started fires damaging barns in Chesterfield and Goochland Counties. Most property damage due to wind only light damage due to lightning, and none reported due to hail.</p>									
Near Ferrum, Franklin County	24	4:30 p.m.			0	0	4	0	Windstorm
<p>Strong winds during a thunderstorm blew down a large barn killing ten (10) cows and downed trees nearby.</p>									
Orange, Madison, Louisa, and Culpeper Counties	28	Evening			0	0	4	0	Lightning and Wind
<p>Electrical storms started fires that destroyed barns containing hay and farm machinery at the Wolfpen area in Madison County and at St. Just in Orange County. Two barns were burned by lightning set fires in Louisa County; one a mile west of Louisa and the other near Apple Grove. Lightning and wind caused minor damage to utilities, trees, and television antennas in Culpeper County.</p>									
Colonial Beach, Westmoreland County	28	9:00 p.m.			0	0	4	0	Electrical
<p>Lightning during a severe thunderstorm set fires that destroyed an upholstery shop, garage, new automobile, a cottage, and did extensive damage to a house and contents. Utilities received minor damage</p>									
WASHINGTON North & east of Olympia	23	1700 PST	12	400	0	0	0	2	Funnel cloud and waterspout
<p>A waterspout was observed over Budd Inlet north of Olympia at 1700 PST. A funnel cloud aloft over Olympia was reported by a pilot at 1709 PST. A severe thunderstorm with hail 1/2 to 1 inch in diameter was reported from Budd Inlet to Lake St. Clair approximately 12 miles SE of Olympia.</p>									
WEST VIRGINIA									
Gilman, 4 miles north of Elkins	28	6 p.m. EDT			0	0	4	0	Thunderstorm winds
<p>A small building was demolished, a trailer blown over, trees uprooted, plus extensive minor damage such as bent TV antennas, etc. Uprooted and broken trees indicated a strong north wind. Damage was confined to a square 175 yards long and wide.</p>									
Wellsburg	28	After dark			0	0	3	0	Lightning
<p>A trailer home was struck by lightning and destroyed by the ensuing fire.</p>									
WISCONSIN									
Northeastern Counties	4	7:00 P	5	50	1	0	5	0	Tornadoes (3) Wind
<p>Three small tornadoes moving along parallel tracks in an ENE direction touched down briefly in Oconto County near Gillett, Suring, and the area about midway between. 37 barns and many trees and wires down. Also extensive damage to other buildings, farm machinery, cars, etc. One man drowned while fishing on a small lake when high winds and waves upset boat. Also wind damage in neighboring counties of Shawano, Menominee and Marinette.</p>									
Central and Northern Counties	5-6	Night			0	0	5	0	Wind, lightning
<p>Severe thunderstorms with locally high winds, heavy rain and small hail caused widespread light damage in central and northern counties. Several buildings damaged or destroyed by lightning.</p>									
Montello	18	Evening			1	0	0	0	Lightning
<p>Farmer killed by lightning while uncoupling mower from tractor.</p>									
WYOMING									
Ryan Park	15	4:15 p.	6	150	0	0	0	C	Tornado
<p>Tornado touched down on Barrett Ridge and Ryan Park, 14 miles southeast of Saratoga, primary damage to forest, minor damage to a shed and some trailers at Ryan Park trailer park.</p>									
Rock Springs	17	2:30 p.			0	1			Lightning
<p>Postman injured by lightning strike.</p>									
Yellowstone Park	21	Afternoon			0	9			Lightning
<p>Nine people injured when lightning struck the earth near Old Faithful Geyser.</p>									
Baggs	22	11:30 a.			0	1	2	0	Lightning
<p>Lightning struck and killed a horse, injuring the girl rider.</p>									
Worland	22	Afternoon			0	0	5	C	Hail
<p>One-half inch hail storm did estimated \$350,000 damage to crops and buildings in the Worland area, estimated 3500 acres of sugar beets destroyed and another 3500 acres damaged.</p>									
Kaycee	22	1:15 p.			0	0	4	C	Hail
<p>One-inch hail did damage to crops and buildings in the Kaycee area.</p>									
Cody	29	Afternoon			0	1			Lightning
<p>Lightning struck a tree injuring a boy sitting underneath.</p>									
MINNESOTA Twin Cities Region	May 6	1965-Additional Data							Tornadoes, funnel clouds, wind, and hail.
<p>Final figures from Governor's Report places total May 6, 1965 storm damage at \$51 millions. The Red Cross lists damage in the 6-county area (Anoka, Carver, Hennepin, McLeod, Ramsey, and Sibley) hardest hit by storm as: 324 dwellings destroyed, 623 dwellings with major damage, 278 mobile homes destroyed, 196 farm buildings destroyed, 61 small businesses destroyed or with major damage.</p>									
ALASKA Fairbanks Area	Dec. 1965								
<p>A record breaking snowfall literally buried Fairbanks, Alaska on December 26, 27, and 28, 1965. Record 24-hour amounts of 12.9 inches on the 26th, 12.8 inches on the 27th and 12.4 inches on the 28th. Previous 24-hour record was 8.0 inches set in December, 1936, while the 24-hour amount for any month was 15.5 inches, set in January 1937. The monthly total snowfall for December 1965 accumulated to a total of 33.5 inches, exceeding the previous record of 27.5 inches set in 1955. During the night of the 28th the abundance of new loose snow with the unusually strong winds and high gusts which reached 40 MPH, caused severe drifting, closing many roads, and causing considerable property damage, the nights of the 27th and 28th. One death was reported as a result of the storm, and one person badly injured by a falling neon sign. Vehicles of all types were buried in the heavy snowfall and rendered unusable, bringing Fairbanks traffic to a virtual stand still. Although airline traffic was disrupted and delayed, near normal operations continued. The services of the Alaska Railroad went on without interruption. The warm temperatures associated with the storm period which ranged 17-21 degrees, contributed considerable relief for Fairbanks residents, and prevented numerous problems and further property damage. It was also a factor that perhaps saved the loss of life to some in the area. Had the normal December sub-zero temperatures been coupled with the high gusty winds it would have developed into a very severe and destructive storm. Much of the damage was caused to power lines over a wide spread area, due principally to the strong winds. In two instances falling trees broke conductor poles, causing power outages affecting a minimum of 600 people.</p>									
FLORIDA Pt. Lauderdale Broward Co.	Dec. 1965				0	0			Funnel Cloud
ALASKA Fairbanks area	Jan. 1966				0	0	5	0	Wind and extreme cold
<p>An unusually intense storm in the north central portion of the Gulf of Alaska moved slowly eastward toward the Queen Charlotte Islands during the period January 1 through the 4th, followed by extremely cold temperatures during the period January 4th through the 11th. Most of the damage occurred on the first, and appears to have been pretty much isolated in the Juneau area. The windstorm blew the roof off an apartment building into the home of Juneau's Mayor, making the home uninhabitable. The roof of a fish cannery also blew off. A TV antenna was toppled, and some wall damage occurred to the Post Office portion of the Federal Building. There was considerable glass breakage and some heat damage. Total estimated damage at this point was \$230,000.</p>									
<p>Unofficial anemometer reports for January 1st and 3rd place winds up to 80 mph in the Juneau and Douglas cities area, and estimates up to over 100 mph in the vicinity of the TV antenna.</p>									
<p>The cold temperatures following the period of strong winds caused undetermined damage by freezing water sources and systems. Several fires resulted from thawing attempts. Estimates of direct and indirect damages were now increased to a total of \$500,000.</p>									
<p>14-18 0 0 4 0 SNOW Heavy snows stopped traffic in the Juneau area during this period. No estimates have been given on cost of snow removal or damage to power lines given, but it would easily exceed \$5000</p>									
<p>High winds were reported from many areas of the state other than southeastern Alaska but with no damage reported.</p>									
HAWAII PACIFIC AREA Samoa	Jan. 1966	None reported							
<p>29- Evening-29 7 ? 6° C 30 Night-30</p>									
<p>One of Samoa's infrequent hurricanes, described as worst in many years, demolished over one-third of homes and severely damaged the remainder, leaving 50,000 persons homeless. Nearly all breadfruit and banana trees, 85% of taro and 50% of coconuts and coconut crop destroyed, producing drastic food shortages and the need to keep 12,000 people fed for a year. Swains Island, at a total 200 miles north of Samoa, was leveled and its 200 inhabitants left without food or shelter. In all, 11 persons died and 34 were reported</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DELAYED DATA

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					KILLED	INJURED	PROPERTY	CROPS	
PACIFIC AREA	Jan. 1966	(Cont'd.)							
		missing, most of the latter from fishing vessels lost in the area. Peak winds at Apia (Western Samoa) 94 mph and at Pago Pago (American Samoa) 70 mph sustained and gusts to nearly 120. Private property loss in American Samoa alone estimated \$3.3 million and public property loss \$1 million.							
VIRGINIA	Feb. 1966								
Greensville County	13	11:45 AM			0	0	2	0	Tornado
		A farmer just west of Emporia reported seeing a tornado. Damages were minor. Several trees were blown down 10 miles south of Emporia, but only slight structural damage.							
Halifax and Pittsylvania Counties	13	11:00 AM			0	0	4	0	Tornado & Wind
		A tornado passed over South Boston, demolishing a resident burner at a lumber mill and causing extensive roof damage throughout the city. Heavy winds in the Danville area blew limbs and a few trees into the streets and onto power lines, disrupting electrical service for several hours in some sections of the city.							
Hickory	13	11:00 PM			0	0	3	0	Wind
		A passing squall line blew the roof off a hanger at the Hickory Airport.							
Nottoway County	13	12:14 PM			0	0	0	0	Funnel Cloud
		A pilot reported a funnel cloud 9 mi NW of Blackstone. No damage was observed.							
VIRGINIA	Mar. 1966		None reported						
GEORGIA	Apr. 1966								
North Georgia	28-29				0	0	5	5	Rain and Hail
		Extremely heavy rains on the upper reaches of Hempton Creek, in Fannin County, resulted in heavy damage to 200 acres of bottom farmland. At least seven bridges were washed out, 1000 laying hens were drowned and dams were broken on several farm ponds. Many fields were eroded to the subsoil and left with a deposit of rocks, boulders and other debris. Rainfall of 4 1/2 inches was reported in 2 hours and about 6 inches in 12 hours. Golf ball size hail was reported. Heavy rains on the same night washed out bridges in Haralson County and caused damage to streets and roads in Gordon County.							
IDAHO	Apr. 1966								
Malta (near)	2	Early morning			1	4	4		Severe dust storm
		Dust reduced visibility to near zero on U. S. 30 about 6 miles north of Malta. First rear end collision about 3:15 a.m. seriously injured three persons. Second collision about 7:15 a.m. demolished one car but passengers escaped injury. Third crash about 7:45 a.m. killed one man, injured another. Highway was closed from 9:15 a.m. to 6 p.m. and traffic to and from Utah was re-routed.							
American Falls (near)	26	Afternoon			4	4			Severe dust storm
		Near-zero visibility on U. S. 30 about 4 miles east of American Falls resulted in collisions involving a total of nine automobiles. Four persons were reported injured, three of them requiring hospitalization. Winds to 45 m.p.h. were reported at the Pocatello Municipal Airport.							
MISSOURI	Apr. 1966								
Burlington Junction, Nodaway County	29	6:30-6:45 PM					3		Tornado
		Damage to several homes and business buildings. One man reported seeing debris from his house "twirling in the air". Telephone poles at the junction of highways 71 and 136 were snapped off. South of the junction the poles were across the road. North of the junction, they were away from the road. Intermittent damage from Burlington Junction eastward for 2 miles to the junction of U.S. 71 and 136.							
TENNESSEE	Apr. 1966								
Goodlettsville, Davidson County	28	9a.-2p.			0	0	5	C	Rain, Lightning, Hail and Wind
		Rain began about 9a.m. and continued until becoming heavy in afternoon thunderstorms. Local flooding resulted, especially in Greenbrier, Ridgeway, White Hill, Millersville and White House communities. Rains occasionally mixed with small hail, flooded farm fields, roads, streets and houses in scattered low-lying places. Lightning induced fires, damaged two houses, buildings and barns in area. Power service was temporary disrupted due to the storm.							
KANSAS	June 1966								
Decatur, Ellis, Sheridan, Trego Counties	1	Afternoon & evening	?	?	0	0	4	5	Hail
		Largest hail was 1-3/4" in diameter. In the northwestern portion of Sheridan County, the hail path was 9 miles long and 2 miles wide.							
Shawnee County	3	About noon			1	0	0	0	Lightning
		A man was killed by lightning while driving a tractor.							
Shawnee County	4	6:00 - 6:30 a.	?	?	0	0	2	2	Hail
		Hail up to 1" in diameter fell briefly in western and northern Topeka.							
Eastern Kansas	5	4:30 - 6:00 p.							3 funnels aloft
		A funnel aloft was reported 10-15 miles west of Emporia at 4:40 p. Another was sighted 2 miles north of Topeka at 4:45 p. and a third funnel was observed near South Haven at 5:45 p.							
Shawnee County	5	About 6:00 p.	?	?	0	0	2	0	Hail
		Hail up to 2" in diameter fell briefly in the western portion of Topeka.							
Wilson County	5	7:30 p.			0	0	4	0	Lightning
		A lightning-caused fire resulted in extensive damage to a home 5 miles west of LaFontaine.							
Haskell County	7	1:00 - 1:15 a.	15	*2	0	0	5	5	Hail
		Hail, with average diameter of stones about the size of golf balls, caused extensive damage to crops.							
Dodge City	7	6:30 a.	?	?	0	0	3	3	Hail
		Hail up to 3/4" in diameter was reported.							
Southern Kansas	7	Morning			0	0	4	0	Lightning
		Lightning caused damage at Hugoton, Wichita, Independence & Sedan.							
Wallace County	7	5:10 p.	?	?	0	0	0	0	Tornado
		A tornado was reported 3 to 5 miles southeast of Sharon Springs, movement unknown.							
McPherson County	7	Late afternoon	**450	50	0	0	3	0	Tornado
		A small tornado touched down briefly in Moundridge.							
Ellis County	7	About 7:00 p.	?	?	0	0	4	0	Tornado
		A tornado was sighted 9-1/2 miles southwest of Hays, moving eastward or northeastward.							
East-Central, Central, Northwestern portions	7	Afternoon & evening	?	?	0	0	6	6	Hail
		Hail was extremely heavy and damaging in some areas. It was one of the worst hailstorms of record near Geneseo. Heaviest damage occurred from Barton County eastward through Rice, McPherson and Marion Counties. Hail up to 3" in diameter fell locally in Harvey, Russell, McPherson and Barton Counties. About 50 of the 105 Kansas counties had hail damage on this date. Great Bend had heavy hail for 40 minutes, beginning about 6:00 p.							
East-Central, Central, Northwestern portions	7-8	Afternoon & night	?	?	0	0	4	3	Wind, 12 funnels aloft, lightning
		Heaviest wind damage occurred in the LaCrosse-Bison area about 10:00 p. Winds with gusts to near 100 m.p.h. hit Emporia about midnight. Funnels aloft were observed as follows: Southeast of Newton, 7:58 p.; Olathe area, 9:00 p.; 9-1/2 miles southwest of Hays, about 7:00 p.; west of Sterling, 6:40 p.; 3 to 5 miles southeast of Sharon Springs at 5:10 p.; 2 at Moundridge in the							

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DELAYED DATA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
KANSAS	June 1966 (Cont'd.)								
Raymond, near	8	3:05 - 3:12 p.	?	?	0	0	0	0	Tornado
Clay County	8	5:25 - 5:45 p.	1/2	100	0	0	4	0	Tornado
Riley County	8	5:45 - 6:15 p.	About 10	Variable 1/4 - 1/2	0	50	6	0	Tornado
Topeka and vicinity	8	7:00 - 7:36 p.	22	1/1 - 1/2	16	406	8	0	Tornado
Leavenworth County	8	About 8:00 - 8:30 p.	15	200	1	2	5	0	Tornado
Leavenworth County	8	Between 8:00 - 8:30 p.	8	Narrow	0	0	4	0	Tornado
Northeast, East-central portions	8	Evening							15 funnels aloft
Northeastern, North-central portions	11	Night of 11-12	?	?	0	0	4	4	Hail, lightning, wind, 3 funnels aloft
Douglas County	12	About 4:01 p.	Short	Narrow	0	0	0	0	Tornado
Northeastern Kansas	12	Afternoon & night	?	?	0	1	5	5	Rain, hail, lightning, wind, 6 funnels aloft
KANSAS	June 1966 (Cont'd.)								
Stevens County	12	Night of 12-13	?	?	0	0	0	4	Hail
Anderson County	14	10:00 p.			0	0	4	0	Lightning
South-central	15	About 3:00 p.	?	Narrow	0	0	0	0	2 tornadoes
Sumner and Sedgwick Counties	15	Afternoon	?	?	0	0	4	3	Wind, hail, 3 funnels aloft
Western border counties	18	Afternoon & evening	?	?	0	0	6	6	Hail, wind, rain
Western portion	18	Evening							2 funnels aloft
Northwestern portion	21	Afternoon & evening	?	?	0	0	4	0	Wind, lightning
Norton County	23	4:06 p.	?	?	0	0	0	0	Tornado
Sherman County	23	4:40 - 4:50 p.	**200	200	0	0	2	0	Tornado
Western Kansas	23	Afternoon & early evening							3 funnels aloft
Northwest Kansas	23	Afternoon & evening	?	?	0	0	4	4	Hail, rain, lightning
Republic, Jewell Counties	25	Evening	10	*3	0	0	4	4	Hail
Finney County	25	About 6:00 - 6:15 p.	5	150	0	0	2	0	Tornado

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

DELAYED DATA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INURED	PROPERTY	CROPS		
KANSAS Southwestern Kansas	June 25	1966 Evening	(Cont'd.)						3 funnels aloft	
			A funnel aloft was reported and 2 were observed	2 miles south of Garden City and 2 miles north of Copeland					about 6:15 p. and 8:10 p.	
Southeastern Kansas Pratt County	26	Afternoon	?	?	0	0	4	0	Lightning Funnel aloft	
	27	About 3:30 p.			9 miles west of Pratt.					
Smith County	27	3:30-4:00 p.	6	1/2	0	0	3	4	Hail, lightning	
									Hail, with stones up to 1-3/4" in diameter, caused damage to crops and property. Heaviest damage was from 2 miles east of Athol to about 1 mile west of Smith Center.	
Johnson, Wyandotte Counties	28	evening	?	?	0	0	4	3	Hail, wind, rain	
									Heavy thunderstorms moved across the Kansas City, Kansas, area producing hail, strong winds and local flooding. Largest hail reported was 1 1/2 - 2 inches in diameter at Merriam.	
			SPECIAL HAIL SUMMARY							
			Hail Loss Clearing House Reports indicate hail was especially severe on the following dates and in the following counties:							
	1		Sheridan, Trego							
	5		Butler, Cowley, Sumner							
	7		Barton, Butler, Chase, Cheyenne, Ellsworth, Gove, Harper, Haskell, McPherson, Marion, Ness, Rawlins, Stafford, Sumner, Trego	Clay	Coffey	Cowley	Ellis			
	8		Clay, Coffey, Dickinson, Lyon	Ottawa	Pottawatomie	Riley				
	11		Cloud, Marshall							
	12		Brown, Harper, Marion, Shawnee							
	13		Harper							
	14		Mitchell							
	15		Sedgwick, Sumner							
	16		Cheyenne, Greeley, Hamilton, Decatur, Norton, Thomas	Sherman	Wallace					
	25		Jewell, Republic							
	26		Jewell							
	27		Jewell, Smith							
	28		Republic							

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	

- ° Includes crop damage.
- C Crop damage.
- * Miles instead of yards.
- ** Yards instead of miles.
- † Storm damages are placed in categories varying from 1 to 9 as follows:
 - 1 Less than \$50
 - 2 \$50 to \$500
 - 3 \$500 to \$5,000
 - 4 \$5,000 to \$50,000
 - 5 \$50,000 to \$500,000
 - 6 \$500,000 to \$5,000,000
 - 7 \$5,000,000 to \$50,000,000
 - 8 \$50,000,000 to \$500,000,000
 - 9 \$500,000,000 to \$5,000,000,000.

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of this type of data, it is not all-inclusive. Delayed data and corrections will be carried in the June and December issues of this publication.

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USCOMM-ESSA-Asheville, N. C. -7/28/66-1050