

U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, Secretary

WEATHER BUREAU

F. W. Reichelderfer, Chief

STORM DATA

MAY 1963

Volume 5 No. 5



ASHEVILLE: 1963

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM		
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS			
ALABAMA										FLORIDA											
Perry County	25	Evening			0	0	5	4	Thunderstorms	West Palm Beach Palm Beach Co.	5	Afternoon							Funnel Cloud		
		High winds, hail and lightning caused scattered damage as line of thunderstorms moved eastward across county. Most damage in the Suttle Community where several houses and a hatchery were unroofed or damaged, numerous out buildings demolished and numerous trees blown down. In the Mt. Nebo and Heiberger Communities lightning destroyed 1 house and several out buildings and damaged 2 houses. All crop damage due to hail. Property damage 80% by wind and 20% by lightning.								West Palm Beach Palm Beach Co.	13	Afternoon							Funnel Cloud		
Franklin County	26-27				0	0	3	5	Rain	Pensacola Escambia Co.	15	Afternoon							Funnel Cloud		
		Heavy rains flooded about 5000 acres of cultivated farm land. County roads damaged.								DeFuniak Springs Walton Co.	18	Afternoon			1	0			Lightning		
Birmingham, Jefferson County	27	7:10a	short narrow	0	0	4		Tornado	Jacksonville Duval Co.	23	Afternoon					1	0		Lightning		
		Tornado observed by the public as it dipped down in southwest portion of city causing extensive damage to lumber company buildings and yards.								Arcadia DeSoto Co.	29	Afternoon					1	0	Lightning		
ALASKA										LAKES WALE											
No report received by printing deadline.										Tornado moved north to south on path several hundred yards long in a residential area. Funnel lifted then lowered again in citrus grove nearby pausing some crop damage. Storm occurred in West Scenic Park community which is about 5 miles west of the town of Lake Wales.											
ARIZONA										None reported											
None reported																					
ARKANSAS																					
Russellville, Pope County	26	10:00 p. to 11:45 p.	25	* 15	0	0	3	4	Funnel cloud, wind and hail	Fort Pierce St. Lucie Co.	30	Afternoon					1	0	Lightning		
		Thunderstorms moved eastward from Fort Smith area across Pope County. Damage caused by winds estimated at 50 mph. Funnel cloud observed by Highway Patrol in Clarksville area and moved over Pope County.								St. Petersburg Pinellas Co.	30	6:30 pm EST			0	0	3	0	Tornado		
Jamesboro, Craighead County	26	11:00 p. to 12:30 a.	(?)	(?)	0	0	(?)	4	Wind and rain	Waters, out formed in Boca Ciega Bay, moved westward on to land, struck and damaged an apartment building before dissipating.											
		Crop damage spread over County during the period. Jamesboro received light wind damage and some street flooding which stalled cars. Brookland received light wind damage last of period.								GEORGIA											
Sparkman, Fordyce County	27	11:30 p. to 11:45 p.	1/10	25	0	0	4	0	Funnel cloud, wind and rain	Gandlar County, near Metter	7	5 p			0	0	3	3	Wind, hail and electrical		
		Damage mainly in eastern sections of business district. Wind damaged roofs, broke windows with resulting water damage.								Severe thunderstorm with heavy rains, wind and hail moved across the County from northeast to southwest. Winds damaged or destroyed several farm buildings and much timber. Hail caused heavy damage to cotton, corn and other crops on several farms. Four beef cattle were killed by lightning.											
CALIFORNIA										South Georgia											
None reported										20 afternoon											
None reported										Several counties hit by severe thunderstorms with heavy rains, wind and hail. A school, with 100 students inside, was partially unroofed at Rochelle in Wilcox County. Trees were uprooted, utility lines blown down and buildings damaged in Ben Hill and Lowndes Counties. Crops were damaged by hail in Colquitt and Lowndes Counties.											
COLORADO										Brunswick, Glynn County											
Logan County	14	5:00PM			0	0	3	4	Hail	An apparent small tornado heavily damaged one residence. Large parts of structure were carried considerable distance and nearby houses were damaged by debris.											
		Hail in the Crook area did heavy damage to 320 acres of sugar beets and medium damage to 280 acres. Other crops were damaged and some damage to livestock and automobiles was reported by tennis ball size stones, and a few as large as baseballs were observed.								Sumpter County	26	6-7:30 p			0	0	4	4	Hail, wind and rain		
Arapahoe and Lincoln Counties	16	Afternoon			0	0	0	4	Hail	Hail completely destroyed several large fields of cotton and corn. Several barns were blown down or unroofed. Crop damage due to hail.											
South Park area	16				0	0			Lightning	Dekalb County and Atlanta area	26-27				0	0	5	0	Rain and wind		
		Several forest fires were started by lightning in the area near Cheesman Lake, Buffalo Creek, West Creek and Deakors. Little precipitation fell in the storms, and did not alleviate the unusually dry forest conditions for so early in the season.								Continuous rains and an occasional cloudburst over a period of several hours caused extensive flooding of homes and other buildings. Several bridges were washed out. Wind damaged a number of buildings in one part of Dekalb County. About 500 homes were without water for several hours.											
Cheyenne and Kiowa Counties	18	Evening			0	0	3	3	Hail and wind	Middle Georgia	27				0	0	4	3	Rain, wind, hail and electrical		
		A severe hailstorm west, south, and southeast of Kit Carson, damaged crops, buildings, trees and vehicles. High wind did considerable damage to power lines 3 miles west of Eads.								Heavy rains and wind caused damage in several middle Georgia Counties. Homes were flooded in Macon and Milledgeville and trees were uprooted in some areas. Two airplanes were damaged by wind at the Baldwin County Airport. Three houses burned in Putnam County after being struck by lightning. Hail damaged crops.											
Morgan County	19				0	0	0	4	Hail	HAWAII											
		Hail in western Morgan County caused heavy damage to 706 acres of sugar beets, medium damage to 482 acres, and light damage to 1042 acres.								Oahu	14	Afternoon					1	0	5	0	Rain
Morgan County	29	Afternoon			0	0	0	4	Rain and hail	Heavy rains, local flash flooding and mud slides caused damage to property in the Pearl City, Waialua, Waialea, Halawa, Dowsett Highlands, and Honolulu areas. A child, 18 months old, drowned in her home and 50 families were evacuated near Pearl City when the Waialea Stream overflowed.											
		Rain and hail struck the Brush area causing much crop damage. Hail caused heavy damage to 1,083 acres of sugar beets, medium damage to 2,200 acres and light damage to 1,036 acres. Many fields were under water from the heavy rainfall.								IDAHO											
Denver	30	5:00PM			1	0	4	0	Lightning	None reported											
		A golfer died of injuries received when struck by lightning on a golf course southwest of Denver. A warehouse in Denver was damaged and contents destroyed by a lightning caused fire.								ILLINOIS											
Kit Carson County	31	2:00PM-4:30PM			0	0		3	Wind and hail	None reported											
		Heavy rain and 3/4 inch hail driven by high wind destroyed crops in the Flagler area. Hail and rain were reported in scattered areas of northeastern Colorado.								INDIANA											
CONNECTICUT										Michigan City											
Winsted, Litchfield County; Somers, Tolland County	20	Late PM			0	0	4	0	Thunderstorm	Water spout was seen on Lake Michigan during thunderstorm.											
		Squall line moving rapidly across Connecticut caused scattered major damage. Lightning set a fire which razed a 3-family residence in Winsted and wind destroyed 10-20 acres of shade tobacco netting and uprooted several trees in Somers.								Evansville	10	evening			0	0	3	3	Hail		
DELAWARE										Three inch diameter hail reported 10 to 12 miles northeast and east-southeast of Evansville. Greenhouse glass broken in the Newburgh area.											
None reported																					

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS			
INDIANA (Cont'd)										KANSAS (Cont'd)											
Delaware County	27	5 p.	3/4	small	0	0	4	0	Tornado	Harvey and Marion Counties	12	9:00 p. and later							Funnel cloud		
									North of Chester a tornado carried the roof of a large barn 1/2 mile and damaged the buildings of two other farms.											Funnel cloud first sighted 5 miles northeast of Newton. Later sightings were near Milton, Peabody and Florence. Funnel remained high in the air.	
IOWA										Franklin County	14	3:00 p.-5:00 p.	3	4	4	5			Hail		
SW LeMars	3	4:00 p.			0	0	5		Hail												
									To 2 1/2 inches in diameter.												
Near Randall	3	7:40 p.	3	200	0	0	4		Tornado												
									Funnel touched down east of Randall.												
Creston	4	4:30 p.							Funnel												
SN Rockwell City	9	6:30 p.			0	0			Tornado												
									Touched ground briefly.												
Estherville	9	7:00 p.			0	0	5		Hail												
Woden-Forest City	9	8:00 p.	12	400	0	0	5		Tornado	Marshall County and Other Northeast Counties	15	12:30 a.-12:45 a.				4	5		Hail		
Winnabago County	9	8:00 p.			1	0	5		Windstorm (30% of damage)												
									Loss of life due to excessive rains which caused bridge washout.												
Oelwein	10	2:30 a.			0	0	4		Hail												
Near Nora Springs	10	3:00 a.			0	2	5		Heavy rains	Shawnee County	15	1:30 a.	1/4	100	19	5			Severe wind		
									Injuries due to derailments of 2 freight trains because excessive rains weakened trestles.												
Ringsted	10	5:00 a.			0	0	4		Lightning												
6SSW of Sloan	12	3:45 p.	13	250	0	0	4		Tornado												
Monona and Woodbury Counties	12	4:00 p.			0	0	5		Hail	Jefferson County	15	1:30 a.-2:15 a.	5	4	3	4			Hail		
									Hail to 2 inches diameter.												
Guthrie Center	12	6:45 p.			0	0	4		Tornado												
Fontanelle to Greenfield	12	7:30 p.			0	0	5		Thunderstorm												
Delta	12	8:30 p.			0	2			Lightning	Douglas County	15	1:50 a.							Severe wind and electrical		
KANSAS																					
Coffey and Franklin Counties	4	5:15 p.-7:00 p.							Hail and tornado	Rawlins County	15	5:40 p.	20			4	5		Hail		
									Hail damage from stones ranging in size from marbles to hedge apples was reported from local areas over these two counties. Largest hail, 2 1/2 inches in diameter and 1 1/2 inches in circumference fell north of Burlington, Sharpe, Maverly and into southwest Franklin County. Damage to automobiles and roofs. Larger chunks appeared to be numerous smaller stones frozen together. The ground was white with stones.												
									At 5:40 p. a tornado touched ground momentarily 6 miles southwest of Homewood in southwest part of Franklin County. Buildings on one farm were damaged.												
Sedgwick and Butler Counties	4	Late afternoon							Hail and funnel cloud	Greeley, Wichita and Finney Counties	16	Early morning	50	5					Hail		
									A funnel cloud was sighted near Whitewater. Scattered hail 1/2 inch in diameter fell in parts of Wichita and near El Dorado.												
Wyandotte, Johnson and Leavenworth Counties	4	Late afternoon							Hail	Sedgwick, Butler Counties	25	5:30 p.-7:00 p.	22	11	3	6	5		Hail, severe wind, 2 tornadoes and 1 funnel cloud		
									Hailstones ranging in size from 1/4 to 1 1/2 inches fell locally from northwest of Topeka southeast through Merriam.												
Shawnee County	4	7:10 p.-7:30 p.							Hail												
									Hailstones ranging in size from 1/2 inch to 2 inches in diameter fell in spots from near Dover to Topeka.												
Jefferson County	5	4:00 p.							Hail	Wallace County	25	4:30 p.-5:30 p.	4	2					Hail		
									Marble-sized hail was reported at Meriden.												
Sedgwick County	11	5:10 p.			1				Electrical												
									A farmer was killed by lightning 1 mile northeast of Garden Plain in western part of county.												
Clark County	11	Evening							Electrical												
									Fires started by lightning spread rapidly by rather strong winds in western part of county. Approximately 5,000 acres of grass was burned. Four miles of posts on one ranch were destroyed.												
Central Counties	12	Afternoon and evening							Hail	Cowley County	25	8:15 p.				6			Wind and rain		
									Many crop hail claims adjusted from Harvey, Reno and Rice counties northward to Republic, Washington and Marshall counties. Stones were from 1/4 inch to golf ball size.												

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MASSACHUSETTS Statewide	10-11				0	0	4	0	Electrical, rain
	Thunderstorms swept across the state during the night. They were more severe over central and eastern sections. Torrential rains in some suburban areas of Boston caused local flooding and some washouts. Lightning strikes disrupted power and phone services, knocked out a radio station in Lynn. Two homes were set afire with great loss and one minor burn injury. A 37-foot fishing vessel off Nahant became disabled in rough seas and required Coast Guard assistance. Light, late season snow fell in many parts of the state the morning of the 11th.								
Shelburne	14	3 P.M.	Short	Narrow	0	0	2	0	Wind
	Wind, described as a "small twister," with frightening roar, but no funnel cloud, tore off a portion of barn roof.								
Leverett-Sunderland	20	2:30 P.	3	Narrow	0	0	4	0	Tornado
	Funnel cloud observed by numerous witnesses was described to be of the rope-like type, with path of damage less than 100 feet wide. Following a zig-zag path generally toward the ENE, the storm picked up much dirt as it crossed fitted tobacco fields and then demolished a sturdy oak-timbered and well-braced tobacco barn. Other than felling many trees along its path, the only additional major structural damage was to a small barn and shed at the Bull Hill Farm on Rte. 63 near Bull Hill Rd.								
Hardwick	20	3:10 P.	5	Narrow	0	0	4	0	Tornado
	Funnel cloud observed by several witnesses, followed a path toward the ENE from Old Furnace to Oakum and New Braintree. Complete destruction of a very large barn and damage to another barn and house were the only major structural losses. Youngsters at the Ware River bridge at Old Furnace reported seeing a vortex of water spray rise from the river as the storm passed.								
Sterling	20	3:30 P.	1.5	25	0	0	4	0	Tornado
	Tornado traveled in an easterly direction following a zig-zag path. A barn was destroyed, a silo at the next farm to the east was blown down and much roofing was ripped from a house.								
Lancaster	20	3:55 P.	1/4	50	0	0	3	0	Tornado
	Short path of tornado was in an easterly direction. Damages included loss of trees in yard of a very well-kept estate and ripped roof and minor inside damage to house.								
Eagleville Pond	27				0	0	0	0	Dust Devil - waterspout
	Boat and fisherman caught in whirlwind - no damage.								
MICHIGAN Wayne, Oakland and Macomb and Genesee Counties	4	3:30 p. - 9:00 p.			1	4			Thunderstorms with high winds, hail and lightning
	Young boy suffered broken arm when struck and pinned by wind felled tree at St. Clair Shores. Hail up to 1 inch reported vicinity of Flint. Power service disrupted to hundreds of homes due to lightning and high winds cutting power lines. Windfelled trees along with flying debris damaged numerous homes, buildings and cars. House awnings and TV antennas suffered wind damage in the area. Window glass breakage reported.								
Northwestern Lower and south central Upper Michigan	7-8	late nite - 7th - 10:00 a. - 8th			5			C	Thunderstorms with high winds, hail, heavy rains and lightning
	Heavy rains in excess of 2 inches washed out sections of highways, local roads as well as several bridges. Lowlands were flooded with some crop damage. Hail up to 1 - 1/4 inches reported. Roofs of numerous homes and buildings suffered damage due to hail and wind. Greenhouses reported heavy glass breakage due to hail and likewise hail damaged and dented numerous car bodies. Some fruit and farm crops reported damage due to hail and high winds. Power service disrupted in the area due to lightning and high winds cutting power lines.								
Southern Lower Michigan	9-10	3:00 p. - 9th - 9:00 a.			5				Thunderstorms with heavy rains, high winds and lightning
	Heavy rains up to 2 inches flooded roads and basements with resultant damage. Lightning induced fires damaged several homes and destroyed a barn. Power service disrupted to hundreds of homes due to lightning and high winds.								
Southwestern, central and northwestern Lower Michigan	22-23	late nite - 22nd - 9:00 a. - 23rd						C	Freeze and frost
	Record breaking temperatures dropped generally into the low 20s and near 20 throughout the area caused serious freeze and frost damage to fruit and various farm crops. Damage may well run into hundreds of thousands dollars but agricultural sources state it is too early to ascertain actual damage.								
MINNESOTA Minneapolis-St. Paul, Hennepin, Ramsey Counties	12	5:30 p.					4		Hail, wind
	Hail up to one inch in diameter reported at Weather Bureau Airport Station. Strong winds blew down trees and damaged power lines.								
Hallock, Kittson County	16	2:30 p.	4	#2			0	3	Hail
	Hail up to 3/4 inch in diameter and covering ground to depth of 1 1/2 inches did minor damage to early field crops. Rainfall of 0.81 inch fell in one-half hour.								
Western and Southern Minnesota	21, 22, 23	a						5	Freeze
	Early morning temperatures below 32°F and as low as 21°F in some areas damaged soybeans, corn, garden crops and fruit trees. Considerable replanting of soybeans and corn necessary. Many alfalfa stands damaged. Some soil froze as deep as one inch. Greatest damage sustained morning of 22nd over southwestern quarter of state.								
Springfield, Brown County	27	3:35 p.							Funnel cloud aloft
	A funnel cloud, not touching the ground, observed 3 1/2 miles northeast of Springfield.								
MISSISSIPPI Itawamba County	11	5:00 p.			1	3	0	0	Lightning
	Bounds community, Chester Russell farm: Lightning struck four boys huddled under small tree; 1 knocked unconscious; 2 received slight burns, 1 dead.								
Northeast and East Central Divisions	25-28				0	0	?	?	Heavy rain and floods
	Considerable damage to row crops during several days with heavy showers. Major damage in bottom land when rapid rainfall caused flooding; some hill erosion. In some fields plants were (1) washed away, (2) covered with mud and silt, (3) covered with water, (4) beaten into ground. Thousands of acres of corn and cotton will be replanted. Fields not planted to be prepared again after drying out. Scattered reports of minor wind damage and small hail occurrence.								
Southern Mississippi	1-31							6	Dry spell
	Agriculture Commissioner reported dry spell damaged economy in most of state S of U.S. Highway 80, and a few sections to north. Winter freezes had wiped out three-quarters permanent pastures and feed grains; that not killed was weakened and failed to get off to good start; then dry weather just about finished it. Grain and corn crops also suffered; seeds still lay in many fields because not enough moisture to germinate; some fields being abandoned. Federal Government requested to add hay to list of emergency feed. Milk production off; some cattle and dairy farmers considering selling part of their herds. Jefferson Davis County "pickle crop" virtually wiped out. Work started to have George, Amite, Pike, Lamar, and Forrest Counties certified as disaster areas. Other counties (except the Coast counties), declared disaster areas last summer, were still qualified for emergency aid (until July 4).								
MISSOURI Cold Springs Douglas County	4	late afternoon		1/4 mi			4	4	Hail
	In an area approximately 1/4 mile wide and 4 miles long hail fell for thirty minutes. Hail accumulated to 4 inch depth on level ground and up to 4 feet in depth where it was washed into low spots by accompanying heavy rain. Trees were stripped of leaves and small branches. Photographs received showing approximately 1/4 acre of hail 2 feet deep and drifts to 4 feet deep.								
Tipton Moniteau County	4	9:00 PM	1/2mi	100ft.			4		Tornado
	Damage limited to shed destroyed, roof of substantial brick building twisted and partially destroyed, and trees broken off.								
Carthage Jasper County	5	Afternoon					5		Intense Precipitation
	2.82 inches in less than 2 hours. Damage from local flooding, from lightning, and hail.								
From Jasper County Eastward to Wayne County	13	1:00 to 5:15 PM					6	5	6
	1-1/2 inch diameter hail began at Carthage at 1:00 pm. At 3:10 pm heavy rain and hail began at 2 miles north of Rogersville. Total precipitation at this location, 7-1/2 inches. Severe erosion, damaging hail. Damaging hail at Mansfield, trees stripped windows broken. At 3:35 pm rain began at Ava, total 3.20 inches. Golf ball size hail 9 miles north of Ava killed small animals, injured cattle. At West Plains damaging winds unroofed substantial building at 5:15 pm. At 7:00 pm boat dock destroyed at Nappapello in Wayne County.								
Liberty & Hardin From Platte County Eastward to Carroll County	15	Midnight to 3:00AM					1	5	4
	Near Liberty, large barn picked up from foundation and deposited 100 feet away, nearly intact and upright. Contents remained at original location relatively undisturbed. (Photo received.) At Hardin, 2:10 AM, wall of substantial one-story brick building blown out. Most buildings in one block of business district damaged. Hail in Platte County at Edgerton and in Carroll County. Tornado damage to outbuildings 1/2 mi. S. of Lethrop in Clinton Co.								

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MISSOURI (Cont'd) Chariton, Audrain and Laclede Counties	15						5	5	Hail
	At 3:00 pm at Conway in Laclede County large hail damaged high school building. Photographs received of 2-inch diameter hail at Prairie Hill in Chariton County, occurring approximately at 8:00 pm. The hailstones do not appear to be built up in layers but are quite irregular; some appear to be the broken segments of larger stones, others appear to be made of irregular 1/4 inch diameter stones welded together. Golf ball size hail at Mexico in Audrain County at 8:30 pm. Damage to newly emerged soybeans in area.								
Knob Lick St. Francois County	16	4:30 PM	4 mi				5		Tornado
	Tornado damage to five farmsteads. 3-1/2 inches rain measured in several gages in this community during the storm.								
Jackson, Johnson, Henry, Benton and Hickory Counties	25	10:00 to 11:45 PM					5		Lightning
	Reports received from seven locations in these five counties all concerned with damage from lightning to homes, one church, and power company installations. Wind light, amount of rain greatly variable, maximum 3-1/2 inches.								
MONTANA			None	reported					
NEBRASKA Near Wisner	3	12:30 p.	Spot	Spot	0	1			Lightning
Central to Southeast Nebraska	11	Evening	120	60*	0	0	4	0	Wind
	Wind damage was reported in scattered areas from Grand Island to Tecumseh.								
Pierce and Cedar Counties	12	3-4 p.	10	Narrow	0	0	4		Tornado
	Tornado damage was scattered along a strip from near McLean to a few miles south of Coleridge.								
Southeastern Nebraska	14	Evening	120	80*	0	0	5	6	Hail, Wind & Rain
	Most areas south of the Platte River and east of Kearney had hail. Complete destruction of crops was noted in several small areas. The largest hailstones were about 2 1/2 inches in diameter. The greatest damage was attributed to the hail, but strong gusty winds caused considerable property damage, and some crop loss was due to heavy rains.								
Fairmont State Airport	14	10 p.	1	50	0	0	5	0	Tornado
	Three buildings were destroyed and three others were damaged. Eleven airplanes damaged.								
Panhandle	15	Noon- 3p.			0	0	3	0	Tornado and Funnel
	Three or four funnel clouds were sighted between Hemingford and Chadron during the early afternoon. One touched down on a farmstead about 25 miles south of Chadron shortly after noon. It apparently touched again in open country just north of Dunlap.								
All of Nebraska	22	Early Morning			0	0	0	6	Frost and Freeze
	Scattered heavy losses were reported to nearly all types of vegetation in the State.								
Near Dewitt	29	4 p.	9	1/2*	0	0	4	5	Hail
	Hail accumulated to 5 inches deep. Largest stones were about 3/4" diameter. Total crop destruction noted in spots.								
NEVADA			None	reported					
NEW HAMPSHIRE Hillsboro and Rockingham Counties	9	Late afternoon	15		0	0	5	0	Tornado
	Tornado moved from NW to SE, making contact with the surface at Pindrville (3.7 miles east of Doffstown), South Manchester, and from the Derry-Londerry Town Line to West Derry on Route 102. Many trees were snapped off, a trailer was blown over and bowled along a road, a huge grove of trees was demolished. Hail fell along much of storm's path. West of Derry hail of golf-ball size was reported. Major casualty was a furniture warehouse in South Manchester. Its long flat roof was ripped off with damage estimated at \$50,000. Another \$75,000 damage was suffered when heavy rain soaked the exposed warehouse contents.								
Statewide	10-11				0	0	3	0	Snow
	This was an unusually late season snowfall occurrence. While the lower elevations of the southern half of the state received less than a half inch, the higher elevations and the northern half measured yields of from 1 to 7 inches. The heavier falls occurred in Coos County. These were some of the heaviest snows for so late in the season since approximately the same dates in 1945. Non-damaging thunderstorms were reported in a number of communities.								
NEW HAMPSHIRE (Cont'd) Rochester, Somersworth 14 and Dover; South-eastern N. H.		5 P.M.	8	50	0	0	4	0	Tornado and lightning
	Path width varied from 10 to 200 yards from Gonic (a section of Rochester), N. H., eastward to Berwick, Maine. Path and damage mostly confined to trees. An 8000-bird poultry house was demolished in Gonic and a barn was badly damaged in Dover. A funnel witness reported that the visible portion did not reach the ground when seen. Other local sections of southern New Hampshire suffered wind damage to trees and limbs, with interrupted phone or power utility service to thousands of homes. These included Concord, Penacook, Canterbury, Pittsfield, Suncook, and Northwood. Lightning badly damaged a house in Westville.								
Cheshire and Hillsboro Counties	20	2:45 P.- 3:30 P.	10-15	25-150	0	0	4	0	Tornadoes
	Tornadoes observed in both counties near the County Line. First tornado apparently observed at Harrisville. This one may have moved NE through Hancock and swirling Antrim along a 15-mile path. Another tornado, observed at Peterboro around 3 P.M. (EST), moved NE to Greenfield for a distance of about 10 miles. Violence of storms observed by several witnesses. Storms damaged buildings and leveled or snapped off trees.								
NEW JERSEY									See data at end of table.
NEW MEXICO Northern Eddy County	1	3:00 p.m.					3	5	Hail and wind
	Hail to 1-inch diameter in 10 mile swath from south of Artesia to northern county border, moving towards east-southeast, stripped some trees and accumulated to 2 to 3 inches deep near Pecos River bridge, freezing cotton in some fields. Wind, with possible tornado, damaged barn doors and cement block building 2 to 3 miles southeast of Artesia, and twisted a shed from its foundation and deposited it upside down 25 feet away.								
Eddy and Lea Counties	5	Afternoon					5	3	Wind
	Wind to 60 m.p.h. at Artesia. Just reducing visibility caused 7-car pileup 33 miles south of Carlsbad with 5 injuries.								
Dora, Roosevelt County	5	2:30 p.m.							Hail
	Hail to golf ball size for few minutes, damaged wheat. Hail covered ground; precipitation about 1 inch in 1 hour.								
Bottomless Lakes Park, Roosevelt County	19	7:10 p.m.					3		Water spout and wind
	Wind destroyed garage and tourist shelters and uprooted trees, 13 miles southeast of Roswell. Airplane hangar west of Park blown down. Winds to 52 m.p.h. at Roswell. Large water spout arose over lake causing no damage. Blowing dust preceded and marble size hail accompanied storm.								
Lea County	21	9:30 p.m.					5	C	Hail and heavy rain
	Hail to golf ball size damaged cotton, homes and farm buildings. Hail accumulated to 1 foot deep in Knowles-Humble City area with near 3 inches of precipitation in 30 minutes. Hail in 6 by 4 mile area south of Humble City. Fifty-four head geese killed and 2500 acres of cotton damaged. Unofficial precipitation of 4.75 inches 6 miles north of Hobbs brought water to 4 feet depth in Hobbs.								
Pleasant Hill, Curry County	27	Afternoon					1		Lightning
	Man, operating a moving tractor, struck on side of head and became unconscious for about two days. Pleasant Hill is about 10 miles northeast of Clovis.								
Roosevelt County	27	4:00 p.m.							Wind
	Wind splintered two 50-foot transmission line poles east of Portales causing a 2 to 6 hour blackout in most of the county. Large limbs torn from trees southeast of Portales. Roof of shed blown off.								
Bloomfield, San Juan County	28	Afternoon	Short	Narrow					Tornado
	Small tornado snapped powerline, causing grass fire, just north of Bloomfield.								
Jal, Lea County	29	3:00 p.m.					8	C	Hail
	Hail to golf ball size damaged windows, roofs and cars, and stripped trees and battered shrubbery. Hail moved toward northeast in narrow strip.								
McDonald, Lea County	30	6:00 p.m.					0	C	Hail and heavy rain
	At McDonald, near Lovington, three gas storage tanks with 10,700 gallons of gas washed out of ground and gas tank truck dropped into hole. Sporadic marble size hail damaged much cotton, and accumulated to 4 inches deep. Over 3 inches of precipitation in 2 hours.								
Eddy County	30	Afternoon	Narrow				3	C	Tornado and hail
	Small tornado, southwest of Hope, hop-skipped along south of State Road 83 toward west with no damage. Hail to 3-1/2 inches diameter, west of Hope, damaged trailer house and car windows, and caused some crop damage, during 30 minute storm. Funnel cloud seen near Lakewood.								

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEW MEXICO (Cont'd) Santa Fe, Santa Fe County	31	1:00 p.m.					3		Hail
	Hail to half-dollar size in 1 by 5 mile strip at south city limits stripped trees and damaged bushes, plants, green house and contents, and some roofs, accumulating to 12 inch depth.								
NEW YORK	None reported								
NORTH CAROLINA	None reported								
State	2				0	0	0	5	Cold
	Widespread occurrence of frost and freezing temperatures on a date which is for all except the Mountain district three to six weeks later than average caused considerable damage to early gardens and commercial vegetables, and some damage to field crops.								
Gaston, Lincoln, Mecklenburg Counties	16	Evening			0	0	4	4	Electrical, Hail, Wind
	Thunderstorms with scattered areas of hail and damaging winds struck the three counties. Wind blew down trees on power lines, damaged some roofs. Hail up to egg size hurt crops.								
Anson, Beaufort, Carteret, Cumberland, Iredell, Johnston, Macklenburg, Richmond, Robeson, Sampson, Scotland Counties	17	Evening			0	1	4	5	Electrical, Hail, Wind
	Widespread thunderstorms brought much-needed rain, but caused considerable damage from wind and hail. Lightning struck a residence in Beaufort County, hospitalizing one woman. A number of other houses were hit by lightning, and at least one burned down. Wind and hail caused widespread minor structural damage, and hail damaged crops in many areas.								
Beaufort County	17	11 pm	1/2	50	0	2	5	0	Tornado
	Five homes and a livestock barn destroyed at Chocowinity. Two men in separate houses received head injuries. 30 cattle killed. Trees twisted off 15 to 20 feet above ground. Storm cut a clear path moving due north, lifting after a little less than one-half mile; thirty minutes later what was apparently the same tornado struck down briefly in Big Swamp area about 11 miles to north of Chocowinity, destroying several farm outbuildings.								
Carteret County	17	11:25 pm	1/4	50	0	2	4	0	Tornado
	Tornado struck briefly atarkers Island, demolished one home and a smaller building, damaged others. Man and wife in home hospitalized with head injuries. Auto destroyed. Storm moved northward.								
Stanly County	17	5 pm	1	50	0	0	4	0	Tornado
	One home and several other buildings demolished. Trees uprooted, broken off. Two small buildings lifted and blown away. Funnel seen, moving eastward. Hail reported in vicinity.								
Onslow County	20	11:30am	1/4	10	0	0	3	0	Small Tornado
	Small building picked up and carried 125 yards to roof of a home. Small funnel reported seen, moving west to east.								
Columbus, Johnston Counties	20				0	1	0	4	Electrical, Hail
	Man in Johnston County struck by lightning, hospitalized, early in day. Hail damaged crops in Columbus late afternoon.								
Piedmont and Coastal Plain	21	3-6 pm			1	0	5	5	Electrical, hail, wind, rain
	Line of heavy thunderstorms moving eastward during afternoon caused numerous areas of damage. Man killed by lightning while fishing in Cumberland County; lightning also struck a number of houses in different areas. Widespread wind damage to trees, communications lines, houses. Very heavy rain overtaxed drainage systems, flooding streets and basements and causing washouts. Hail damaged crops several areas. Wind gusts to 75 miles per hour recorded at WNAS, Raleigh.								
Bladen County	22	aftn			0	0	4	0	Electrical
	Lightning struck and burned barn with several horses.								
Wayne County	23	8 am			0	0	5	0	Electrical
	Lightning struck and burned large restaurant near Goldsboro.								
Wake County	28	7-9 pm			0	0	5	0	Rain
	Heavy downpour in early evening, with three to five inches measured in west Raleigh in two hour period. Storm sewers clogged and several feet of water accumulated in streets. Several cars were caught in deep water and passengers had to slip on foot. Heavy washouts some areas, with curb, gutters and pavement lost.								
NORTH DAKOTA	See data at end of table.								
OHIO	See data at end of table.								
Greenville	27	7 PM	1	Narrow	0	0	4	0	Tornado
	A small twister dipped to the ground about 2 miles northwest of Greenville. Most extensive damage was done at the Evans home on Route 371 where the house was unroofed and 2 barns partially demolished. Scattered damage was done to trees, utility lines, etc for a distance of about 1 mile.								
Northern Preble Co.	27	5 PM	Short	Narrow	0	0	4	0	Tornado
	At least two farm houses were damaged by small twisters which dipped momentarily to the ground in northern Preble Co. Funnel clouds were definitely identified. Most severe damage was done to the L. D. King home, a brick structure which had the roof blown off. Similar but less extensive damage was inflicted to a few other farm buildings in the area.								
OKLAHOMA	See data at end of table.								
Wagona, Woods County	4	4:50 p.- 5:20 p.	Short	Narrow	0	0	0	0	Hail
	Quick moving squall line through the area produced hail up to 3/4-inch size that covered the ground just to the southeast of city. Storm moved northeast.								
Blackwell, Kay County	4	6:45 p.- 6:48 p.- 7:40 p.			0	0	0	0	Funnels aloft, wind
	Two small funnels aloft formed over the southwest part of city and moved eastward for three minutes before dissipating. Wind gusts up to 52 mph were recorded at the Blackwell Zinc Company at 7:40 p.								
Northern half of Washington County	4,5	9:00 p.- 10:30 p.- 2:30 p.- 4:00 p.			0	0	4	0	Wind
	On evening of the 4th squall line developed winds which downed numerous power lines in Bartlesville and ripped off 1700 square feet of roofing from a grade school. Eight telephone poles were downed five miles west of Bartlesville. Afternoon rain-storm of the 5th produced gusts up to 50 mph and downed power lines east of Hulah causing power outages over northern half of county. Additional power lines were downed in Bartlesville.								
Jackson County	5	9:00 a.- 11:30 a.			0	0	?	?	Rain, hail
	Two-inch rains fell over the southeastern third of the county with unofficial amounts up to 4.8 inches reported in the Hendrick area and with 4.3 inches falling in less than two hours. Scattered occurrences of hail hit west of Hendrick and south of Altus with damage estimates ranging from 15 to 35%. Benefit from needed rains far exceeded crop losses.								
Tillman County	5	10:00 a.- 10:35 a.	3	*1	0	0	0	4	Hail
	Hail storm caused 100% wheat loss over a three square mile path that was hit eight miles southwest of Frederick. Two miles west of Hollister, over a second path of 1 by 2 miles, a third of the ground was covered with stones of 1/2- to 3/4-inch size. Both storms moved southeast.								
Valliant 2NE, McQuartain County	5	6:20 p.			0	0	0	0	Rain
	Locally heavy showers provided unofficial amounts of 2.2 inches in 20 minutes. No damage was reported.								
Tulsa, Wagoner and Muskogee Counties	10	6:30 p.- 7:30 p.	45	*6	0	0	0	5	C Hail
	A single hailstorm moved southeast across area of Sperry, east Tulsa, Jenks, Bixby, Coweta, Haskell, Porter and west Muskogee. Heaviest hail fell over east Tulsa where stones averaged 3/4- to 1-1/2 inch size with a few larger stones per area ranging up to 2 to 3 inches in diameter and up to 1-1/2 inches thick. Stone size dropped off to 1 inch diameter by the time storm reached Bixby and to 1 inch diameter disks 1/4 inch thick by the time it reached Muskogee. Ground coverage varied from 10 to 90% with minor roof and window damage claims reported for 1500 homes, 540 cars damaged and \$10,000 in damage to planes. Damage was reduced by most stones falling straight down.								
Nowata 2S, Nowata County	13	4:10 a.			0	0	4	0	Electrical
	Lightning struck an empty house with the resulting fire totally destroying the structure.								
Butler 8NE, Custer County	13	7:15 p.	Short	Narrow	0	0	?	?	Hail
	Hailstones ranging from 3/4 to 1-1/4 inches in diameter fell over a small area with quite a few larger hail indicated. Some damage was reported.								

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (Cont'd) Watonga near, Blaine County	13-14	10:15 p.- 2:00 a.			0	0	0	4	Rain, hail
									Locally heavy rain totaled 3 to 5 inches in area six miles west to five miles northwest of Watonga. Five miles west of city large hail accompanied by rains damaged approximately 50 percent of wheat on one farm and completely destroyed part of an adjoining field. Three other farms were hit by hail southwest of city in a 6 square mile area.
Fairview, Major County	13	10:30 p.	Short Narrow		0	0	0	0	Hail
									Two-inch rains were accompanied by a few hailstones up to 1-1/2 inch size.
Butler, near, Guster County	13	11:10 p.- 11:30 p.	4	*1 1/2	0	0	0	?	Hail
									Hail up to 1 inch in diameter fell along a path beginning nine miles north of Butler and continued to east-southeast. Additional hail reported south of path nearer Butler, with less than a 10 percent coverage limiting damage to gardens, fruit, and some crops.
Waukomis, 3 1/2 W, Garfield County	13	11:50 p.- Midnight	Short Narrow		0	0	0	0	Hail
									Small hailstorm provided a 10 percent coverage of hail up to 1 inch in diameter. No damage reported.
Oklahoma City, Oklahoma County	14	1:30 a.			0	0	3	0	High winds
									Thunderstorm moving across City produced measured gusts of 55 MPH at Will Rogers Field Weather Bureau Airport Station, while winds estimated up to 75 MPH broke plate glass windows in five downtown stores and destroyed a pool canopy and revolving door at a downtown hotel. Heaviest rain of near 1.1 inch fell in northwest part of city where a number of power lines were blown down along with several trees and many limbs.
Bartlesville, Washington County	16	6:45 p.- 8:12 p.			0	0	3	0	Wind
									A severe thunderstorm moved eastward across City with wind gusts clocked at 60 MPH at the Central Airlines tower and up to 75 MPH in the southwest part of the City at 6:45 p. Seven primary power lines and numerous secondary lines were blown down with outages lasting up to four hours. Up to 175 telephones were also reported out of service. Two plate glass windows were blown out in the business district along with some window damage reported by the City schools.
Stillwater, SENE, Payne County	16	7:20 p.- 8:00 p.			0	0	0	0	Hail
									Hail up to 3/4-inch in diameter was accompanied by 1.2 inches of rain as a storm moved eastward across the area. Loss was limited to a small amount of tree damage.
Claremore, 10NW, Rogers County	16	8:50 p.			0	0	0	0	Funnels aloft
									Claremore Police reported two funnels aloft were sighted and moved east with neither touching the ground.
Frederick, Tillman County	19	3:15 p.- 3:25 p.			0	0	0	0	Hail
									Ground lightly covered by 1/2- to 3/4-inch diameter hail.
Oklmulgee, near, Oklmulgee County	25	2:40 a.			0	0	4	0	Electrical
									A home just north of Okmulgee was struck by lightning with the resulting fire destroying structure and contents.
Jay, near, Delaware County	25	Early Morning			0	1	3	0	Electrical
									Lightning struck a barn and entered a milking machine and knocked down three cows. A dairyman also was knocked unconscious and suffered burns. Barn and hay were partially destroyed by fire. A second farmstead nearby was struck by lightning with some minor fire damage to garage.
Major, Blaine, and Kingfisher Counties	25	3:00 p.- 10:00 p.			0	0	4	5	Rain and hail
									An active line of thundershowers in southern Major County, northern Blaine County and northwestern Kingfisher County produced heavy showers ranging up to 1.95 inches at Okseena. Locally heavy amounts were reflected by unofficial totals of 4.5 inches near Badu from 4:15 p. to 10:25 p., and 2.5 inches reported falling within 30 minutes at Southard. Heavy hail fell at scattered locations over the area during the storm. First hail covered 90 percent of the ground 1/4 mile west-southwest of Fairview from 4:45 p. to 4:55 p. when stones up to 3/4-inch size caused a 30 percent crop damage locally. Between 5:20 p. and 7:05 p. the heaviest hit was about 60 sections of crops in the Cimarron Valley from north of Okseena to west of Hennessey, with damages running as high as 90 percent in some sections. Hailstones ranged up to 3/4-inch size at Okseena, 1-1/4-inch size at Lacey, and 1-1/2-inch size fell five miles north and also southeast of Okseena. Most hail followed a north-northeast path across area and flattened wheat, broke some windows, and stripped trees of leaves. Hail caused most of damage.
OKLAHOMA (Cont'd) Northern Kiowa County	25	4:30 p.- 5:30 p.	?	?	0	0	?	?	Hail
									Scattered hail reported across northern part of County from near Lone Wolf to south of Mountain View ranging up to 1-1/2-inch egg size. Local damage varied from 5 percent near Lone Wolf to 25 percent for the area of larger stones.
Mountain View, 10S, Kiowa County	25	5:40 p.	Short Narrow		0	0	?	?	Hail
									Hail up to 1-1/4 inches in diameter fell in the immediate vicinity and covered only 10 percent of the ground. Additional hail fell over a one-half by one mile path 3 miles to the east where largest stones measured 3 to 4 inches in diameter and caused extensive crop damage.
Northwestern Logan County	25	7:00 p.- 8:00 p.	6	*2	0	0	3	5	Hail and rain
									Locally heavy thunderstorms moved north-northeast across area from west of Crescent to southeast of Lovell with unofficial rain amounts up to 3-1/2 inches and golf ball size hail flattening mostly cotton, feed, and wheat. Damage, mostly from hail, ranged from 5 percent in the south to 100 percent near Lovell as the storm hit 28 farms along path.
Cushing, Payne County	26	1:30 a.			0	0	4	0	Tornado, wind, and hail
									A line of heavy thunderstorms moved eastward across area and produced high winds estimated at 70 MPH in Cushing and up to 90 MPH at the airport. Winds caused countless broken trees, damaged roofs and numerous downed power lines. Damage path indicated that a tornado moving east dipped to the street at one point and sucked out four east plate glass windows and scattered them in thousands of pieces for half a block. Its second touchdown was noted from a portion of roof lifted from a lumber company with several of the large boards carried about 300 feet northeast and embedded in the west and south slopes of a house roof. Hail up to 1 inch in diameter covered less than 10 percent of the ground. Damage by tornado 30 percent of total, wind 65 percent, and hail 5 percent.
Drumright, Creek County	26	1:50 a.	Short Narrow		0	0	4	0	Tornado and hail
									Small tornado touched down momentarily in downtown area and lifted a joint roof between a feed store and grocery store causing a brick firewall between them to collapse. The loss of a third of the roof permitted heavy water damage from 1.79 inches of rain that fell during the storm. Strong winds also blew in a plate glass window and uprooted several trees while sizeable hailstones pitted numerous roofs east of town. Major damage by tornado.
Miami, near, Ottawa County	26	2:45 a.			0	0	0	0	Funnel aloft
									Vinita Police reported that a funnel aloft was sighted west of Miami in the Timber Hill area.
Garfield, Noble, Grant and Kay Counties	26	3:00 p.- 4:50 p.			0	0	0	0	Hail
									Scattered hailstorms began north of Orlando with the cells working northeast across the area. Hail up to 1-inch size fell over the general area with up to 2-inch size reported falling near Orlando, Lucien, Fairmont, Tonkawa and Blackwell. A few stones up to soft-ball size fell in northeast section of Blackwell. Greatest damage to roofs in Tonkawa and Blackwell sections with near 1,000 damage claims reported for area.
Elmwood area, Beaver County	26	Near 3:30 p.	?	?	0	0	2	3	Hail
									A severe hailstorm moved into the area from the northwest. Hailstones reported southeast of Elmwood were 1-1/2 to 2-1/2 inches in diameter and fell straight down causing little crop damage. A car and truck were dented, and several buildings damaged by the large hail.
Blaine and Kingfisher Counties	26	3:35 p.- 5:00 p.			0	0	3	3	2 Tornadoes and hail
									Severe thunderstorm moved east-southeastward from Canton Lake area to near Okseena and Dover and terminated five miles north of Cashion. First small tornado dipped into Canton Lake at about 3:35 p. and then rose aloft and traveled east. It next touched down at 3:45 p. just 7 miles west of Okseena in open country and covered a 100-yard wide path eastward for a half mile before it disappeared back into the clouds. A second tornado struck 1-1/2 miles northeast of Longdale at 3:40 p. and moved mostly southeast for a mile. It up-rooted trees in the hollows and plowed a large swath through one wheat field and tore out sections of fence. Scattered hail 3/4- to 1-1/2-inch size fell along storm path until 5:00 p. A few hailstones up to 2-1/2-inch size fell in Okseena and to the northeast. Hail damage was reported generally scattered. Damage by tornado 30 percent of total, hail 70 percent.
Logan, Oklahoma, and Lincoln Counties	26	3:36 p.- 6:45 p.			1	4	5	4	3 Tornadoes, funnels aloft, hail, rain, and wind
									Severe thunderstorms along an east-southeastward path developed tornadoes, damaging winds, hail and rain from southwestern Logan

See reference notes at end of table.

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MAY 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
SOUTH CAROLINA									
Northern South Carolina	16	5:30 pm - 9:30 pm			0	0	0	5	Hail and windstorm
Heavy hail up to 1 1/2 inches in Inman-Brantley section of Spartanburg County, which was hardest hit.									
Near Estill, Hampton County	20	3:00 pm			1	0	4	0	Electrical storm
Small plane crashed causing one fatality.									
Eutawville, Orangeburg County	22	2:45 pm - 3:00 pm			0	0	3	4	Hail
Hail to 1/2 inch, crop damaged in area one by two miles.									
Holly Hill, Orangeburg County	22	6:30 pm - 6:45 pm			0	0	4	4	Hail
Hail up to 1 inch in diameter; damaged crops in area 2 1/2 square miles.									
Carters Cross Road near Lamar, Darlington County	22	6:15 pm - 6:30 pm	1/2	300	0	0	2	0	Tornado
Funnel seen moving from west to east.									
SOUTH DAKOTA									
Carpenter	6	8:30-8:45 p.	1 1/2	*1 1/2	0	0	3	0	Hail
Hail averaged 1 inch diameter with largest 1 3/4 inches. Damage mostly to roofs.									
Entire state	21-22				0	0	0	6	Freeze
Late spring freeze with low temperatures on 22nd ranging from low to upper 20s over state. Almost all of fruit crop destroyed. Much of rye crop destroyed. Other crops suffered partial destruction and were set back.									
Aberdeen	26	5:00-7:30 p.			0	0	5	7	Heavy rain
Unofficial rainfall of up to 5 inches caused widespread flooding of basements and streets in and near Aberdeen.									
Rapid City	30	3:00-5:00 p.	5	*1 1/2-2	0	0	4	7	Hail
Average diameter of hail 1/2 inch with largest 2-3 inches. Ground entirely covered by hail up to 1 inch deep.									
TENNESSEE									
Lawrenceburg area, Lawrence County	4	Late afternoon			0	0	3	0	Hail and Lightning
Hail 3/4 inch in diameter, during a locally severe electrical storm, nearly covered the ground and did minor damage in Leoma and a section of Lawrenceburg. Lightning did minor damage to power lines.									
East Tennessee	17	Throughout day			0	0	4	0	Lightning, rain and wind
Thunderstorms with severe lightning, strong winds, and locally heavy rains did minor scattered damage. Lightning damaged utilities, killed cattle, and started fires that damaged or destroyed several homes. Flash floods in the Greenville and Johnson City areas did minor damage to homes and damaged upland crops. Wind uprooted trees and damaged utilities in several locations, and damaged a small plane and a hangar roof at the airport in Cleveland.									
TEXAS									
10 NW McAllen Hidalgo County	2	6:30 p							Funnel aloft
Funnel aloft reported by public.									
27 MW McCook Starr County	2	7:35 p							Funnel aloft
SW Castro County	4	1:15 p - 1:45 p	7	*3	0	0	0	5	Rain, hail
Hail and rain caused estimated \$50,000 damage to cotton and grain sorghums. Hailstones averaging 3/4 inch in diameter completely covered the ground.									
12 W Borger Hitchison County	4	3:00 p - 3:05 p	7	?	0	0	0	0	Tornado
A tornado moved through open ranch country from southwest toward northeast, causing no damage.									
Midland Midland County	4	4:00 p	?	?	0	0	?	0	Wind
Thunderstorm winds swept through Midland shortly after 4 p.m., leaving thousands of tree branches scattered in yards and city streets, damaged roofs and TV antennas, and blew out several plate glass windows in the downtown area. Approximately 2000 feet of roofing were ripped from a hangar at Midland Air Terminal. Wind gusts at the U. S. Weather Bureau station at the terminal were measured at 62 mph.									
Near Mission Hidalgo County	4	5:25 p	15	*5	0	0	2	?	Hail, rain, funnel aloft
Hail did extensive damage to a small area of citrus and crops in the Moore Field and McCook area north of Mission and rains up to 1 1/2 inches were reported north of Mission and McAllen. Hailstones averaged about 3/4 inch in diameter, with largest stones 1 1/2-2 inches. Citrus trees were stripped by the hail, and some cantaloupe fields were 100 per cent loss. Five to six inches of rain were reported in the McCook area. Damage to row crops ran as high as 100 per cent in some sections. A funnel cloud aloft was observed about 6:45 p.m.									
Fort Stockton Pecos County	4	6:00 p - 6:30 p	4	*1 1/2	0	0	5	5	Hail
A hailstorm resulted in \$100,000 property damage to roofs in Fort Stockton. Several thousand dollars additional damages to									
TEXAS (Cont'd)									
Ropesville Hockley County	4-5	7:00 p - 2:00 a	20	*10	0	0	5	0	Hail, 2 tornadoes
signs were estimated. Hailstones averaged one inch in diameter with largest stones 1 1/2 inches. The ground was entirely covered by the hailstones. Crop damage, mostly to cotton, was estimated at \$200,000.									
Two severe hailstorms visited the Ropesville community and were described as the most damaging on record for this locality. The hail fell intermittently for two hours during one storm, and hailstones ranged from pebble to baseball size. East of Ropesville the hail was heaviest and resulted in heavy damage to buildings. The first storm occurred about 7:00 p.m. and lasted for thirty minutes. The second storm began about midnight and lasted for two hours. Hailstones from the second storm covered the ground in places to a depth of three inches, and damaged almost every roof in Ropesville. Property damage was estimated at \$100,000. Two tornadoes touched ground in open country two miles south of Ropesville causing no damage.									
Big Spring Howard County	5				0	0	5	0	Rain
A severe rainstorm caused a huge sewage treatment basement to "float around like a boat" as it was lifted up by water underneath. The 55 by 150 foot reinforced concrete tank which was from 12 to 15 feet deep, rose 36 inches out of the ground. Big Spring Water Superintendent Roy Hester estimated it would cost \$300,000 to either replace or repair the concrete basin, which cracked under the strain. Unofficial rainfall for Big Spring during the storm was .50 to 1.73 inches.									
S Littlefield Lamb County	5	12:30 p - 12:45 p			0	0	0	0	Tornado
Small tornado touched ground briefly in open field without causing any damage.									
Nolan County	5	2:00 p - 6:00 p	?	?	0	1	4	?	Wind, hail, lightning, tornado
Wind and hail caused damage to property and crops in Nolan County with heaviest damage in the Sweetwater, Marysall, and Blackwell areas. Some damage was reported at Roscoe. Mrs. J. L. Teel, wife of the Lake Trammell fisherman, was injured when a bolt of lightning struck her home about 3:30 p.m. A small tornado touched ground east of Blackwell near Rylton. A small plane at Sweetwater Municipal Airport was flipped over, and a trailer house at Roscoe overturned by the wind. At Marysall, a 2 x 4 plank was driven into the east side of a store. Many roofs in Nolan County were damaged by the hail. Largest stones were 1 1/2 inches in diameter. Wind damage to property was estimated at \$25,000, and hail damage at \$15,000. The hail caused heavy damage to crops in the area.									
Stanton Martin County	5	3:40 p	?	?	0	0	?	0	Wind
A severe windstorm swept a new roof from the Desampert Dry Goods Store and hurled it into the street in the downtown business district of Stanton. The winds also partially uprooted the Blocker Oil Company building and broke tree limbs and TV antennas in a wide spread area of the city.									
Bala-Denton Valley Callahan	5	4:00 p - 5:00 p	3	*1	0	0	4	5	Rain, hail
A sudden rain and hailstorm damaged fruit crops and grain sorghums in the Bala-Denton Valley area. From 5 to 8 inches of rain fell in the area. Hailstones averaged 1/2 inch in diameter, and covered the ground in spots to a depth of 6 inches. Property damage from hail was estimated at \$20,000, and crop damage from hail was estimated at \$35,000. Crop damage from rain was estimated at \$20,000.									
Ballinger Runnels County	5	afternoon	?	?	0	0	?	?	Wind
High winds sheared off half the roof of the Ballinger Farm Equipment Company, pushed a parked pickup truck about a block on Hutchins Avenue, almost ripped the roof off a compress building and hurled a radio equipment shack against a fence. The roof was torn off about ten units of the Desert Inn Motel in South Ballinger resulting in severe water damage.									
5 1/2 NE Spade Lamb County	11	6:30 a - **100	50	0	0	?	?	0	Tornado
A small tornado destroyed a 150 by 11 foot cattle shed on the Orr farm 5 1/2 miles northeast of Spade. The tornado cut a path about 150 feet wide and 100 yards long.									
Near Vega Oldham County	18	2:30 p - 4:00 p	4	*3	0	0	0	4	Hail
Hail near Vega caused an estimated 30,000 dollars damage to crops before moving northeastward across pastureland toward the Canadian River. Average diameter of hailstones was 1/2 to 3/4 inch.									
10 W McKinney Collin County	19	afternoon	?	?	0	0	0	0	Tornado
A tornado dipped down in a farm area 10 miles west of McKinney, but did no apparent damage before rising and dissipating.									
10 NE E Halletta	19	5:00 p	1	*1	0	0	?	?	Hail, rain
Hail and rain severely damaged ripened wheat in a one square mile area in the Stanfield community. Approximately 2.50 inches of rain fell. Hailstones averaged 3/4 inch in diameter and completely covered the ground.									
SW Morton Cochran County	19	5:00 p - 6:00 p	10	*3	0	0	?	?	Hail
Severe hail and rains of five to six inches fell in a 3 x 10 mile strip southwest of Morton. Approximately 2000 acres of young cotton were washed out or destroyed.									

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (Cont'd) Pittsburg Camp County	19	6:00 p- 6:30 p			0	0	5	4	Rain, hail
					Golf ball-size hail almost completely covered the ground throughout the city limits of Pittsburg, and reached some areas outside the city limits. Rain from 1 1/2 to 2 1/2 inches accompanied the hailstorm. There was heavy damage to roofs, neon signs, fruit trees and gardens. Many stores and homes received water damage as hail filled gutters and backed up water to cause leaks. Dead birds were found after the storm and one calf killed by the hail. Property damage was estimated at \$200,000. The Ray Ransom peach orchard east of Pittsburg suffered an estimated \$6000 damage to fruit.				
Olton Lamb County	19	?	?	?	0	0	0	?	Wind
					Several hundred acres of young cotton were lost when an abrupt norther swept across the Olton area. The high winds hurled cutting sand into young plants, searing the stalks and turning the leaves black. Perhaps hardest hit was Archie Sorley, who lost 120 acres of cotton about 6 miles southwest of Olton. Also hard hit was Nick Redinger, whose farm is about five miles southeast of Olton. He lost about 100 acres of cotton.				
Kilgore Gregg-Itask	19				1	0	0	0	Lightning
					A woman was killed when struck by lightning as she was gathering clothes from a line in her back yard.				
18 NE Centerville Leon County	19	night			0	0	6	0	Lightning
					Fire set by lightning destroyed the Lons Star Consolidated District common school building. Loss was estimated at \$600,000.				
Ozona Crockett County	20	1:30 a			1	0	0	0	Flooding
					Enoarnacion Perez, 79, a laborer, was killed when his car in which he was riding was swept off the highway into flooded Scheemann Draw. He was trapped in the back seat of the car which was swept about 25 feet down the draw.				
Bailey and Pamer Counties	21	6:11 p- 8:30 p	80	*20	0	0	5	6	Hail, tornado
					A severe hailstorm resulted in 950,000 dollar crop damage and 120,000 dollar property and livestock damage through most of Pamer County and the northwest corner of Bailey County. Average hailstones were one inch in diameter with largest stones the size of small grapefruit. In places, hail covered the ground to a depth of 18 to 20 inches. A tornado cut a path 5 miles long and 100 to 200 yards wide, beginning 1/2 mile south and 3/4 mile east of the intersection of State Farm Road 115 and 211 at 7:30 p.m. The tornado took out the north side of a sheet iron building and moved an abandoned house from the north side of a new house around to the south side. Tornado damage was estimated at \$45,000.				
Radium Community Jones County	21	6:30 p- 7:30 p	20	*4	0	0	?	5	Hail, rain
					Hail and heavy rain fell in a 20-mile strip from north of State Highway 92 on to the Radium Community and beyond. Many acres of wheat were destroyed. Damage ranged from about 25 percent to complete loss. Many acres of young cotton were destroyed by hail or washed out by the heavy rain. Hailstones averaged 1/4 inch in diameter with largest stones 3/4 inch.				
S & W Sudan Lamb County	21	7:00 p- 9:00	35	*10	0	0	?	?	Hail
					Severe hailstorm broke windows, damaged roofs, and dented automobiles. All crops in the path of the storm were destroyed. Hailstones averaged 3/4 inch in diameter with largest stones 1 1/2 to 2 inches.				
Lubbock Lubbock County	21	night	?	?	0	0	5	?	Flooding
					Torrents of rain estimated as high as 6.50 inches flooded Lubbock and the surrounding area. Red Cross and Civil Defense officials counted 27 homes and 39 businesses that received flood damage. Two of the hardest hit firms, Cochans and Prito-Lay Company, estimated their total damage may exceed \$25,000. The Pioneer Hotel counted several thousand dollars in water damage. An estimated \$100,000 damage was sustained in the W. D. Wilkins and Company warehouse for furniture and carpets as a result of four inches of water which flooded the ground floor.				
Hockley County	22	morning	?	?	0	0	?	?	Rain, hail
					Severe crop damage from torrential rains and heavy hail were reported across Hockley County. The Whitharral, Smyer, Anton, and Arnett areas apparently were hardest hit by the storm. Rains up to five inches inundated areas around Whitharral and washed out hundreds of acres of young cotton and grain. Small but heavy hail battered crops in the Arnett and Smyer areas, while a combination of hail and rain wiped out Anton area crops. Winds whipped off the top and end of a Levelland Airport hangar causing an estimated \$1000 damage.				
Lamb County	23	8:00 p- 9:30 p	13	*5	0	0	?	?	Hail
					Small, pea-size hail destroyed all crops in a 1 1/2 by 5 mile area near the Beck Community in the southwest portion of Lamb County. Largest stones were about 1 1/2 to 2 inches in diameter.				
Balding Community Pecos County	24	afternoon	?	?	0	0	?	?	Rain, hail
					Hail, accompanied by torrential rains destroyed some cotton crops completely and severely damaged others in the Balding area of Pecos County. Several thousand acres of excellent cotton were so severely damaged that replanting was necessary.				
TEXAS (Cont'd) Amarillo Potter County	25	6:39 p	0.1	900	0	0	3	0	Wind
					An unusual appearing narrow band of wind picked up dust and trash in a jumping fashion, moved upslope from a west-southwest direction, and was visible from about a mile away. On reaching North Broadway at Bird Drive the wind broke off 7 forty-five foot power poles carrying 4 half inch lines. Part of the cedar shingles on the western edge of a new roofed house were carried away, the roll-up attached garage door was blown open, and the metal panel of a storm door blown inward on this house. KPFA TV reported 82 mph wind on anemometer. Southwestern Public Service design engineer estimated the force required to down these lines, bending the insulator pins and break the rather new poles would require a 150-200 mph wind. Thunder, and a peculiar roaring noise accompanied the storm. Visually, the cloud looked like Virga, not reaching the ground. The Amarillo radar showed a call of weak intensity, with tops to about 28 thousand feet.				
Pittsburg Camp County	26	6:00 p- 6:30 p	?	?	0	0	5	0	Hail
					Hailstones fell for about 30 minutes, entirely covering the ground in some sections of Pittsburg. The largest hail was the size of baseballs and fell in such quantity as to cause piles of ice to still be on the ground the following morning. Heavy damage resulted to roofs, gardens, trees, and windows. Property damage was estimated at \$200,000.				
Denton Denton County	27	4:00 p- 4:15 p	?	?	0	0	4	4	Hail
					Hail resulted in 11,000 dollars damage to property and livestock in the Green Valley Community northeast of Denton. Cotton, wheat, and oats suffered an estimated 5000 dollars damage. Largest hailstones were the size of golf balls.				
Plano Collin County	27	4:15 p- 4:40 p	5	*3	0	0	6	0	Hail
					A severe hailstorm struck the area from approximately 2 miles southeast of Plano to approximately 2 miles northwest of Plano and about 3 miles wide. Almost every house in Plano received total damage on its roof. The hail, up to 3 1/2 inches in diameter, broke windshields and made large dents in automobiles. Average size of the hailstones was 1 1/2 inches. Property damage was estimated at \$1 million. Crop and livestock damage was not severe.				
East Mason County	27	afternoon			0	0	?	?	Rain, hail
					A severe hail and rainstorm hit between Mason and Art, and extending south to Loyal Valley. In Kateney area more than an inch of rain fell with heavy hail. In the Loyal Valley area large trees were completely stripped of their foliage by the jagged chunks of ice reported to be larger than baseballs. Throughout the area, dead cows, pigs, battered roofs, broken windows and smashed cars were commonplace. Damage was estimated in the thousands of dollars.				
Wise County	27	5:00 p			0	0	?	?	Funnel aloft, hail
					Hailstones of an irregular form and as large as three inches in diameter fell in the Homer and Travis Manning area, pounding holes in roofs of a number of homes. In Chico, hailstones were reported as the size of "silver dollars," but no damage was reported. A funnel was sighted near Chico but apparently did no damage.				
Stonewall Gillespie County	27	6:00 p- 7:00 p	40	*10	0	0	?	5	Wind, hail
					A vicious hail and windstorm ripped a 5 to 10 mile wide path of destruction across Gillespie County with the heaviest damage in the Stonewall area. Hailstones ranged in size from marbles to baseballs. Damage to peach and other fruit crops, wheat, oats, row, and garden crops were conservatively estimated at \$500,000. Victor Nixon estimated that he had a virtual 100 percent loss of fruit on approximately 7500 peach trees in an orchard 4 miles east of Fredericksburg. Edgar Beyers orchard near Nixon's also was a complete loss. Extremely high winds blew down large live oak trees, and TV antennas. The large hail broke windowpanes and damaged roofs. Some of the heaviest losses were reported in the Rye area where Martin Lindig lost 1250 young turkeys. From 4 to 7 inches of rain were reported from the area. Losses to buildings and livestock were estimated at \$400,000.				
7 W Paris Lamar County	27	7:00 p- 7:30 p	?	?	0	0	0	0	Tornado
					A small "rope like" tornado touched ground three times in open country, but caused no damage. Hail averaging 1/4 inch in diameter accompanied the storm. The tornado moved from southwest toward the north-northeast.				
Silverton Briscoe County	27	7:30 p	?	?	0	0	?	?	Wind
					A severe windstorm, associated with a squall line thunderstorm swept across Silverton demolishing two trailer homes and damaging about one-half of the TV antennas in the city. A new home was damaged when a granary on an adjoining lot was lifted up and dropped on it. The force of the wind moved the back wall of the First Baptist Church causing it to crack. Of tile construction, the wall was left leaning about six inches from its proper position. Part of the roof of a lumber company was blown off, and the front porch of a home was torn off by the wind. Several small buildings were blown over, and other larger buildings were moved on their foundations.				

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (Cont'd) Blanco County	27	7:30 p 8:30 p	40	45	0	0	?	?	Wind, hail
									Hail and strong winds cut a path of destruction through the county severely damaging corn crops and causing lesser damage to other grains. The area three or four miles out of Blanco was hardest hit. Several barns were destroyed by the wind, and trees were twisted off. In Blanco, tree limbs were blown off and TV antennas were bent. Largest hailstones were golf ball size.
Near Rowlett Dallas County	27	evening			0	0	0	0	2 tornadoes
									Two small tornadoes touched ground briefly near Rowlett, northeast of Dallas, but caused no damage. A funnel aloft was sighted in the same area.
Comal County	27	night			0	0	?	?	Rain, wind, hail
									Violent thunderstorms, accompanied by baseball-size hail, high winds, and heavy rain, raked Comal County. Heaviest damage was in Spring Branch-Smithson's Valley area, where hailstones ranged from the size of marbles to baseballs, covered the ground. All crops around Smithson's Valley, particularly small grain, were ruined completely. Fields of oats were described as "looking like they had been run over with a steam roller." Rainfall in the County was reported from 2.2 to 3.9 inches. Trees were uprooted; windows smashed; barns and sheds unroofed, and some blown down. The clubhouse of Rebecca Creek Ranch was damaged to the extent of an estimated \$10,000 by severe winds which ripped an entire room from the house.
DeLeon Comanche County	27-28		?	?	0	0	?	?	Rain, wind, hail
									The De Leon area was lashed by high winds, up to 4 inches of rain, and hail that did considerable damage to area fruit crops. House roofs were damaged, and limbs and fruit blown from trees by the high winds. Smith's Fruit Farm, one of the largest in the State, suffered severe damage from the wind and hail.
Pasadena Harris County	28				0	2	0	0	Lightning
									Two construction workers were injured slightly when lightning struck the equipment which they were operating.
Seminole Gaines County	29	4:40p- 4:55 p	?	?	0	0	?	?	Hail, wind
									Hail, ranging upward in size to near golf ball proportions battered Seminole for about 15 minutes. The hail broke many windows in the residential sections and in some business shops. Between 100 to 125 windows were broken at the Seminole school buildings. High winds accompanying the hail damaged television antennae in various sections of town.
Needmore Terry County	29	6:00 p	9	?	0	1	?	?	Tornado, hail, rain
									Four residences were heavily damaged and a number of barns destroyed in the Needmore Community in Terry County north of Brownfield. About 20 utility poles were snapped off and numerous large trees uprooted. One person was injured slightly by flying glass. The tornado stayed on the ground most of the time over a distance of about 2 miles before lifting about 2 minutes before reaching the town of Needmore. The tornado passed directly over the town. Torrential rains and heavy hail wiped out most of the crops over a six to seven mile radius west of Needmore.
3 S Sundown Hockley County	29	6:00 p	1	3/4	0	0	3	?	Tornado, rain, hail
									A tornado touched ground for approximately one mile south of Sundown, destroying five 60-foot transmission poles and supporting arms. Heavy rain and hail destroyed crops in the area where the tornado struck. The storm moved from southwest toward the northeast.
Hale County	29	7:00 p	?	?	0	0	?	?	Wind, rain, hail
									Wind, rain, and hail beat a northeasterly swath of damage across Hale County. Hail destroyed young cotton and feed crops in the Cotton Center and Hale Center areas. An estimated 3 to 5 inches of rain fell in one hour in the Cotton Center community. The hail-damaged area extended two miles east and 2 miles west of Cotton Center. Windows in buildings were shattered by the hail. Strong winds blew a trailer home into a house, damaging both. Some buildings were shifted on their foundations by the wind.
New Deal Lubbock County	29	7:20 p							Funnel aloft
6 NE Plainview Hale County	29	8:20 p	short narrow		0	0	0	0	Tornado
									Small tornado touched ground briefly about 6 miles northeast of Plainview, then bounced back into the clouds.
8 N Amarillo Potter County	29	8:45 p							Funnel aloft
Amarillo Potter County	29	9:00 p			0	0	5	0	Wind, rain
									Strong thunderstorm winds destroyed a 20 x 30 foot metal warehouse building just east of Soncy (west of Amarillo). At about the same time, a large incinerator chimney in west Amarillo blew over on the roof of a building causing major damage. Damage to the building and the contents, mostly due to rain, was estimated at \$100,000.
25 SE Andrews Ector County	29	night			0	0	?	0	Lightning
									Lightning caused a fire which destroyed a battery of seven oilfield tanks located 25 miles southeast of Andrews.
TEXAS (Cont'd) Haskell Haskell County	29-30	11:00 p 4:10 a	?	?	0	0	?	?	Flooding
									About 30 homes and businesses in Haskell were flooded when heavy rains caused Spring Branch to rise out of its banks. The normally dry ravine was 75 feet wide at one time as it swept through town. An official 4.6 inches of rain fell in about 5 hours, most of which fell within a 2 1/2 hour period. Six inches of rain were reported at the City Hall.
3 S. Burkburnett Wichita County	30	1:44 a	1/2	100	0	0	0	0	Tornado
									Small tornado touched ground in open country 2 1/2 miles south of Burkburnett, and stayed on the ground for a distance of about 1/2 mile without causing any damage other than to a few fences and posts.
Arlene Taylor County	30	5:00 a	?	?	0	0	5	0	Rain
									Heavy rains caused flashflooding that resulted in an estimated \$250,000 damage to property in Arlene. Amounts ranging up to nearly 6 inches fell within the city. A score of families was forced from their homes during the initial deluge in the south and west portions of the city. South 20th Street at Brentwood was under several feet of water during the height of the flooding.
Earth area Lamb County	30	afternoon	?	?	0	0	?	?	Rain
									Torrential rains flooded sections of U. S. Highway 70 west of Earth in about a half-dozen places, causing severe damage to the highway itself.
Balmorhea Reeves County	30	5:30 p 6:00 p			0	0	4	6	Wind, hail, rain
									Strong thunderstorm winds estimated at 100 mph caused an estimated \$30,000 damage in Balmorhea. Most of the damage was to a drive-in theater screen that was blown down by the wind. Between 20,000 and 30,000 acres of young cotton were destroyed by the hail and rain accompanying the storm and must be replanted. Late planting is expected to reduce the yield about 25 percent which would result in a gross loss of \$75 to \$200 per acre. Hailstones averaged 3/4 to 1 inch in diameter with largest stones 1 1/2 inches.
Brownfield area Terry County	30	6:00 p 10:00 p	?	?	0	0	?	?	Rain
									A flash flood resulting from torrential rains forced 20 families from their homes in northwest Brownfield. Several automobiles were swept away as swirling waters roared over all roads leading to the city. Approximately 12 homes received water damage. Unofficial measurements of rainfall during the downpour ranged from 8 to 10 inches during a 4-hour period. A 10-inch total was measured at Gones, five miles west of Brownfield, and 8 inches fell at Union, just south of Brownfield.
Ochiltree County	30				2	0	?	?	Flooding
									Two persons were drowned in flash flooding near Lake Fryer on Wolf Creek. From 7 to 10 inches of rain was reported.
6 W Levelland Hockley County	31	4:30 p							Funnel aloft
Hockley County	31	afternoon	?	?	0	0	?	?	4 tornadoes
									Four tornadoes were reported in Hockley County, two near Surdun and two near the Sawyer-Anton-Roundup triangle. Heaviest damage was in the Deak community between Sawyer and Roundup where several small outbuildings were destroyed and gin sheds were unroofed. A barn was destroyed near Anton. For the most part, the storms struck in open country, causing little damage. Heavy rain and marble size hail accompanied the storms.
Lubbock Lubbock Co.	31	5:00 p	?	?	0	0	?	?	Flooding
									More than five inches of rain fell in the south part of Lubbock near the Panola traffic circle within a two hour period. Reaching its full force at the height of the 5 p.m. traffic rush hour, the deluge stranded hundreds of motorists and flooded dozens of homes and businesses. Water levels reached windshield tops of abandoned automobiles and several families were evacuated from homes where water stood three to four feet deep. At one point during the afternoon, four major highways out of Lubbock were blocked and numerous farm-to-market and rural roads were under water. A flat roof at an automobile trim shop at 1905 Avenue O caved in shortly after 6 p.m. under the weight of standing water, causing extensive damage.
UTAH VERMONT Statewide	10-11								Snow
					0	0	3	0	Snow
									This unusually late season snowfall was experienced in nearly all parts of the state. Less than half an inch fell over most of the southern and central portions but northern sections measured an inch or more. Heaviest yields were 2 to 4 inches in the northeast corner. This was locally called a "break storm" because these yields in excess of an inch were the heaviest for so late in the season in many years. Thunderstorm activity was widespread but non-damaging.
U.S. VIRGIN IS. VIRGINIA									None reported
									None reported

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED [†] DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
WASHINGTON Seattle	7	1500 PST			0	0	0	0	Funnel cloud, A small funnel cloud was observed over the north end of Lake Washington for a period of approximately 4 minutes by personnel from the Sandpoint Naval Air Station weather office and residents in the area. The funnel did not reach the surface.
WEST VIRGINIA			None	reported					
WISCONSIN Near Ettrick	3	4:00 p.m. 5:30 p.m.	11	6*	0	0	3	0	Hail Hail from 3/8" to 1 1/2" in diameter. Moved from east of Arcadia toward Blair, from west to east.
Vilas, Iron, Oneida Counties	7-8	late evening and early morning			0	0	5	0	Hail Hail up to 1 1/2" in diameter. Heaviest damage in Manitowish Waters area. 100 homes damaged.
WYOMING South Pass	29	2:15 p.							Funnel cloud Funnel cloud, did not touch ground, dissipated in clouds.
NEW JERSEY Elizabeth	27	3:00 a.m.			6	10	6	0	Fog In Union County, at Elizabeth, on a limited access roadway (the New Jersey Turnpike), a passenger and five drivers were killed, and ten other persons injured in a same-direction accident. The accident occurred when the vehicles entered a fog bank which covered that portion of the highway.
NORTH DAKOTA Dickinson	11	2:30AM							Funnel Clouds Aloft

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED [†] DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	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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