

U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, Secretary

WEATHER BUREAU

F. W. Reichelderfer, Chief

# STORM DATA

APRIL 1963

Volume 5 No. 4



ASHEVILLE: 1963

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>ALABAMA</b>									
Shelby County	20	Afternoon	?	?	0	0	2	0	Tornado
Funnel cloud observed as it touched ground on Mountain View Lake in northwest part of county. Only damage was to trees.									
Pelham Community, Shelby County	29	3:00 p.	?	?	0	0	4	0	Tornado
A service station was demolished, eight houses were severely damaged, and trees and power lines blown down.									
St. Clair, Talladega, Calhoun and Cleburne Counties	29	3:00p-6:00p	?	?	0	0	5	3	Wind, rain
A line of thunderstorms with heavy rains, high winds and a tornado moved across extreme southern portion of St. Clair County, then eastward across northern portion of Talladega County and southern portion of Calhoun and Cleburne Counties. First damage was to several houses and farm buildings near Basomville in St. Clair County. Numerous houses and farm buildings were damaged or destroyed in the Jenifer, Renfroe, and Providence Communities of Talladega County. In Cleburne County several houses were damaged near Healin and Barburne. Local flooding in Oxford and Amistion area. About 75% of damage due to wind and 25% to rain. All crop damage due to rain.									
Dry Valley area, Talladega County	29	4:20p	?	?	0	4	4	0	Tornado
Tornado associated with line of thunderstorms moving eastward struck down in Dry Valley area in northern portion of Talladega County. Two houses were destroyed and several others damaged. Several farm buildings damaged or destroyed.									
Independence Community, Autauga County	29	5:30p	10	600	0	0	5		Tornado
Tornado struck down about 5 miles southwest of Independence and moved east-northeastward across Independence and then crossed Highway 82 about 1/2 mile south of Swift Creek. A church was destroyed, a church and twenty houses damaged, a store unroofed and several farm buildings destroyed. Numerous trees unroofed or twisted off.									
Lowndes and Montgomery Counties	29	6:15 p.m.	9	200-400	0	0	5		Tornado
Storm path about 2 miles northwest of Letohatchie and moved eastward through the Tabernacle and Pintlala Communities ending about 1 mile east of Highway 31. Two houses were destroyed by falling trees. A church and house were unroofed, several houses damaged and numerous farm buildings damaged or destroyed. Considerable damage to timber.									
Hamilton area, Marion County	29	7:55p	15	narrow	0	17	5		Tornado, hail
Tornado struck in extreme southwest part of county near the Byrd Community, moved northeast through Fulton Bridge Community and finally lifting about 3 miles east of Hamilton in Sugar Bend Community. One house destroyed and six others damaged near Byrd Community. Just south of Hamilton a cafe and 4 houses were destroyed, several houses and other buildings damaged. One house damaged in Sugar Bend Community. Numerous trees and farm buildings damaged by tornado or high winds which were about 1/2 miles on each side of funnel cloud. Hail size of golf balls fell before and after tornado. 90% of damage due to tornado and 10% to hail.									
Fayette and Walker Counties	29	10:00p-11:00p			0	2	5		Wind
Thunderstorms with high winds caused scattered damage across northern portions of Fayette County and west central portion of Walker County. Numerous houses and other buildings damaged by the wind or falling trees. Numerous barns and other out-buildings destroyed.									
Talladega County	29	11:30p			0	0	4		Wind, rain
Thunderstorms with high winds and heavy rain caused scattered damage across southern portion of county from Childersburg area eastward through Talladega. Several houses and buildings damaged at Childersburg and also around Talladega. 90% of damage due to wind and 10% to rain.									
Jackson, Marshall, DeKalb, Cherokee, Etowah, Calhoun, Cleburne and Randolph Counties	29-30	Night					5	5	Rain
Heavy rains of 6 to 8 inches resulted in local flooding. Extensive damage to county roads and bridges. Residential and business area flooded in many locations including Port Payne, Scottsboro and Guntersville.									
Crawford, Russell County	30	6:00a	10	?	0	0	4	0	Tornado
Tornado hit near Crawford Community demolishing 2 houses and damaging another then moved eastward across Sand Port Road where a barn was demolished and trees were snapped off.									
<b>ALASKA</b>									
Juneau-Douglas Area Southeastern Alaska	1-4	2:58 AM 1st to 12:30 PM 4th	5	*5	0	0	0	0	Snowstorm
An extended tip of a continental high, stretching southward into the upper portion of the Southeastern Alaska Panhandle, left somewhat localized pockets of cold air which produced a lifting effect upon the warm, moist overrunning air associated with a low pressure center approaching the coastal area of Southeastern Alaska. The most effective of these pockets appears to have been fairly well centered in the vicinity of the airport at Juneau.									
Snowfall from the overrunning air accumulated slightly more than 2 inches before 10:00 AM of April 1. The uninterrupted snowfall decreased somewhat until nightfall on that date when it began to noticeably increase. Almost 8 inches fell during that night; more than 10 inches fell from 9:45 AM until 9:45 P.M. on the following day; and an intense fall									
<b>ALASKA (Cont'd)</b>									
averaging more than one inch per hour continued from around 4 PM on April 2 to 10 AM on April 3. A 24-hour total of 24.2 inches fell. While this failed to equal the all-time 24-hour record fall of 31 inches in March of 1948 it almost doubled the previous 24-hour record fall for the month of April established in 1944.									
During the 24 hours preceding 10 AM on April 4 the rate of fall averaged slightly less than 1/2 inch per hour. The snow finally ended at 12:30 PM on the 4th after providing a total of 45.9 inches for the preceding 81-hour period of continuous snowfall. This is the greatest fall recorded in a single storm since records began at the Juneau Airport in July 1943. The fall during this storm is slightly more than three times the maximum monthly total previously recorded for the entire month of April!									
Wind speeds averaged 25 to 30 mph from about 10:30 AM to 4 PM on April 1. Fortunately, the snowfall was light during this windy period and the wind had subsided to around 10 mph or less before the rate of fall intensified during the evening on that date. Winds remained considerably less than 10 mph for the balance of the snowfall period, including, of course, the periods of heaviest fall. The snow was light and fluffy and would have been extremely subject to drifting if winds of any consequence had developed.									
Although no damage was reported the snow proved to be quite an obstruction to the movement of traffic in the area until its removal after the storm subsided.									
<b>ARIZONA</b>									
None reported									
<b>ARKANSAS</b>									
Little Rock area, Pulaski and Lonoke Counties	29	3:00 p.			0	0	5	5	Wind and hail
Thunderstorm developed 20 miles west of Little Rock and moved eastward. Hail, 1 to 1-1/8 inch diameter, fell along its path over the city with a reliable report of 2 inch hail 8 miles west-northwest of downtown Little Rock. One inch hail began at Adams Field at 3:55 P.M., the largest on record. Wind damage occurred in southwest Little Rock and near Scotti trees down, roof damage and several houses moved off foundations.									
Holly Grove, Monroe County	29	5:00 p.			0	0	6	0	Hail
Damage due to baseball size hail with reports of hail of 4 inch diameter in a 10 square mile area around Holly Grove. This was an extension of the same activity described above.									
<b>CALIFORNIA</b>									
<b>Southern Coast</b>									
1					1	3	4	0	Wind
Trees, signs and utility lines blown down; cars and homes damaged by blowing sand; one man drowned when boat overturned; one man cut by flying glass; one injured by falling sign; one injured when blown over on sidewalk.									
<b>Humboldt County</b>									
1					2	0	4	0	Wind
Trees and utility lines down; one fisherman drowned when washed from deck of boat; one person crushed by falling tree.									
<b>Tehama and Butte Counties</b>									
10					0	0	0	5	Hail
Heavy hail, stones measuring up to 1 1/2 inches diameter, damaged young fruit and nuts.									
<b>COLORADO</b>									
<b>Eastern Plains</b>									
142					0	1	4	5	Wind
Strong gusty winds continuing from the last 5 days of March became more severe on the 1st & 2nd of April. The entire state was affected to some extent but the most severe damage was in the eastern plains. Hurlington, Pueblo and Canon reported winds 65MPH to 70MPH. There was widespread minor property damage from wind and blowing dust. Winter wheat was severely damaged in some areas and some newly planted crops were blown out of the ground. A child was injured by a falling tree in Castle Rock. Bush and grass fires in scattered areas were blown out of control by the wind, burning barns, sheds and farm equipment in their paths. The worst was near Boggan in Weld County where a prairie fire burned over 25,000 acres of grazing land.									
<b>Upper Arkansas Valley and South Park</b>									
4					0	0	4		Wind
Gusty winds, unusually severe for the area, damaged power and telephone lines, buildings, and uprooted trees in or near Buena Vista, Canon City and Fairplay. At Canon City, gusts were estimated between 60MPH and 70MPH.									
<b>Eastern Plains</b>									
16	Daytime				0	0	4	5	Wind
Strong gusty winds were again general over the state but stronger and more damaging in the area east of the Continental Divide. Sugar beets, small grains, potatoes and winter wheat, weakened by weeks of dry weather were severely damaged by winds up to 86MPH. Blowing dust closed roads in some areas. Fires blown out of control caused damage in several areas. In Pueblo, a 68MPH wind damaged power lines and uprooted trees. Boulder had gusts up to 70MPH that did extensive damage to buildings and other property. A house trailer was blown over on the highway near La Junta and another south of Pueblo. Damage in varying degree was general over eastern Colorado.									

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>COLORADO (Cont'd)</b> Southwest Colorado and San Luis Valley	21	1:00PM to 6:00PM					*4	0	Wind
									Winds of 50MPH with gusts to 70MPH damaged electrical lines and buildings in the San Luis Valley and adjacent areas. Near Monte Vista, a lumber shed and its contents were damaged. In Alamosa, some trees were blown down and some buildings damaged. High winds in Durango, Mahoes and Gumpson damaged buildings. Reduced visibility from blowing dust caused minor accidents and halted highway traffic near Saguache.
<b>CONNECTICUT</b> Statewide	4-5	PM of 4th through AM of 5th			0	0	4	0	Wind
									Unusually heavy and sustained winds overturned boats in the bays, smashed plate glass windows, fanned grass, wood and structural fires, damaged small structures, toppled building under construction and uprooted trees, thus downing power lines and destroying several automobiles. Winds of 30 to 60 mph were common especially in the South and gusts to 70 mph in New Haven and to 81 mph in Bridgeport were recorded.
<b>DELAWARE</b> Entire State	4	5:00AM - 10:00PM			0	1	5	4	Wind (Dust and Fires)
									Widespread minor damage was done as windows were blown in, signs blown down, and trees blown across utility lines and buildings. Major damage was due to fires which were fanned but of control by the strong winds which reached 60mph in gusts at Wilmington. Several hundred acres of grass, brush and small forests, as well as a few houses, barns and other buildings were burned. Blowing sand and dust closed roads in several areas. Fields were damaged by loss of topsoil. One elderly woman was injured when blown down by a gust.
Entire State	20	daytime			0	?	4	3	Wind and Fire
									Again, widespread minor damage with major damage due to wind-fanned fires.
Entire State	23	evening			0	?	5	3	Wind and Lightning
									Much minor damage was done by winds reaching 50-60 mph in gusts. Lightning struck the Torsch Canning Company at Milford and the resulting fire caused \$250,000 damage.
<b>FLORIDA</b> Vero Beach Indian River Co.	13	Morning	6	2*	0	0	7	3	Hail
									Hail fell in an area around Vero Beach but was mostly concentrated in the Roseland area. Few hail stones reported as large as golf balls. Damages mostly light. Citrus trees in the area were partially defoliated and some fruit was knocked off the trees.
Washington and Calhoun Counties	30	7:30 am to 10:30 am EST	60	?	0	0	?	?	Tornado
									Storm damages reported at scattered and intermittent points along a NW to ESE line running from Argyle community, near DeFuniak Springs, to about 5 miles north of Blountstown in Calhoun county. Timing of damage reports and fact reported damages lie in a line suggests this one storm which lifted and lowered along the path. Times of reports indicate forward movement of 20 to 25 miles per hour. Damages reported along path one mile long and quarter mile wide in vicinity of Blountstown. Damages in all areas limited to scattered frame buildings, telephones and power lines and downed trees. Major portion of storm track across uninhabited areas.
<b>GEORGIA</b> Pelham, Mitchell County	6	5:00 p	short narrow		0	0	4	0	Tornado
									Storm hit a small area one mile west of Pelham. Many trees were uprooted and several houses were destroyed or heavily damaged. Possibly the same storm hit earlier in the afternoon in eastern Hillier County. Moved eastward.
Brooks and Cook Counties	6	6:30 p	12	300	0	0	4	0	Tornado
									Small tornado moved from northeast Brooks County through southwest part of Cook County to near the city limits of Adel. A large number of trees were uprooted or twisted off and several barns and other buildings were demolished or heavily damaged. Storm moved northeastward.
Chatham and Effingham Counties	12	Morning			0	0	4	0	Wind, rain and electrical
									Severe electrical storm hit the Savannah area with wind gusts of 60 mph at the Weather Bureau Station at Travis Field. At least four house fires were started by lightning and heavy rains caused flooding of several streets. Trees were uprooted and some buildings suffered minor damage. Other affected areas were South Savannah, Savannah Beach and the Guyton and Marlow sections of Effingham County.
North Georgia	28-30				0	0	6	4	Rain, wind, hail and electrical
									Two day rains totaling more than six inches in some areas caused extremely heavy damage to bridges, roads, streets and homes. Continuous rains on the 28th were followed by heavy thunderstorms

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<b>GEORGIA (Cont'd)</b>									and downpours on the night of the 29th-30th with resulting rapid rises in all streams. Hundreds of homes were flooded with heaviest damage in the Atlanta area. Bridges and culverts were washed out throughout North Georgia and much bottom farm land was flooded and badly eroded. Severe thunderstorms during the afternoon and evening of the 29th and early morning of the 30th caused widespread wind and lightning damage over a large area. Heavy damage to trees, roofs, porches and farm buildings was reported in Carroll, Coweta, Troun, Spalding, Gordon, Chattooga, Jackson, Walton, Newton, Butts and Oglethorpe Counties. Golf ball size hail was also reported in Butts County.
<b>HAWAII</b> Wahiawa, Oahu	4	About 5:00 P.			0	0	0	0	Funnel aloft
									A funnel cloud about 6 miles northeast of Wahiawa dissipated without touching the ground.
Oahu	12	Afternoon			0	0	0	0	Funnels aloft
									One funnel was sighted 3 miles northwest of Wahiawa and others near Haleiwa. None of the funnels reached the ground.
Kauai; Oahu	15				2	0	6	6	Rain
									On April 15 an upper level storm center moved across northern Hawaii producing a deluge of rain over much of Kauai and Oahu. Most of the flash flooding which occurred in numerous local areas was the result of this storm, although the nearly continuous moderate to heavy rains of the preceding several days were a contributing factor. Damage to crops and property on the two islands was heavy. Homes were flooded and washed away, roads and bridges washed out, crops flooded, and miscellaneous other damage reported. The most severe flooding occurred in the Hanapepe Valley area of Kauai and over portions of windward Oahu. An unofficial rain gauge at Hakipuu Mauka, Oahu, caught 18 inches of rain in 8 hours (this report later confirmed by bucket survey). Flooded areas on Kauai and Oahu were declared disaster areas and President Kennedy allocated \$250,000.00 for federal disaster aid. Two soldiers drowned in a swollen mountain stream in the Koolau Mountains of Oahu.
									Moderate to heavy rain occurred over the other islands of the State but only light damage was reported.
Kainaliu	29	Afternoon			0	0	4	0	Rain
									Flash floods resulting from heavy rains on the Kona slopes caused damage to roads, buildings, and other property in the Kainaliu area.
<b>IDAHO</b> Most of State	14	Late afternoon and evening				2	4		Wind
									Damage to buildings, trees and power lines reported vicinity of Kendrick, Juliaetta, Weiser, Payette, Mountain Home, Salmon and Wendell. At Arrow Junction, 7 miles south of Juliaetta, 50' x 74' hangar was lifted and moved about 600 ft. and 3 airplanes were badly damaged. At Salmon stacks of lumber were tossed about in a lumber yard and some larger pieces damaged the mill; several buildings were de-roofed and a hangar blown down. Near Wendell dust blowing across the highway resulted in 2 accidents involving 5 cars and hospitalizing 2 persons.
South-Central and Southeastern Counties	15	Afternoon & early evening					4		Wind
									Near noon the roof of a building near Rupert was blown off and a barn (50' x 40') destroyed near Paul. At 4:00 p.m. several buildings on fair grounds at Blackfoot were damaged. Between 5:30 and 6:00 p.m., a nearly finished new shop, 32' x 54', was destroyed at Glenns Ferry. In the evening, winds up to 63 m.p.h. at Idaho Falls uprooted trees, blew down signs, did other minor damage.
<b>ILLINOIS</b>									See data at end of table.
<b>INDIANA</b> South Bend (St. Joseph County)	17	4:13 p.-5:39 p.			0	0	3	3	Hail
									Hail with diameters up to 3/4 inches accumulated to 1/2 inch depth eight miles southeast of South Bend Airport. Numerous greenhouses were damaged and some crops.
Jasper, Newton, Pulaski, Wabash, Whitley, and Allen Counties	17	5 to 7 p.	35	110	0	20	6	0	Tornadoes(2), hail
									This tornado first touched ground west-northwest of Kankakee, Ill., then travelled eastward to almost Marylandville, Indiana. The mother cloud mass is believed to have travelled on eastward as far as Fort Wayne touching ground near such places as North Manchester where all buildings on two farms were levelled, then South Whitley, Roanoke(damages \$100,000), and finally two miles southwest of Bear Field, Fort Wayne(damages \$50,000). The greatest loss was in Jasper County about 1.5 miles north of Gifford and just south of Laura and Aphelium along a west-east line where 21 buildings were counted from the air as being badly damaged or destroyed. Nineteen were gone from their foundations of which seven were homes. Many people were injured in this area, sixteen were hospitalized. Jasper County damage was estimated by the American Red Cross at \$650,000. On

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INDIANA (Cont'd)	eastward at about 5:30 p. a funnel cloud was seen from Star City, large hail was reported at Star City and Royal Center, and near South Whitley (8:45 p.). Hail was one inch in size at Baer Field, Fort Wayne, and up to 3/4 inches within one mile of the field. Near Poe a farmer reported getting stuck with the farm truck in hail 1.5 feet deep in his farm lane. Ice was still two inches deep the next morning.								
Knox County	19	3 p.	15	1	0	12	6	0	Tornado
Jackson and Jennings Counties	19	late afternoon	5	1300	0	0	5	0	Tornado
Laurence, Jackson, and Jennings Counties	19	5 p. to 5:30 p.	49	up to 1400	0	0	5	0	Tornado
Columbus (Bartholomew County)	19	7:54 p.			0	0	0	0	Funnel cloud
Wayne County	19	9 p. to 9:30 p.	12	100	0	0	4	0	Tornado
Hartford City (Blackford County)	19				0	0	0	0	Funnel cloud
Dana (Vermillion County)	22	about 7:30 p.			0	0	1	0	Tornado
West Lafayette (Tippecanoe County)	22	8:15 p.	1	100	0	0	3	0	Tornado
Indianapolis	22	9:28 p.			0	20	6	0	Tornadoes (2)
Northwestern Indiana	29-30				0	0	3	0	Wind
Parke County	29	p.m.	6	100	0	0	5	0	Tornado
Covington (Fountain County)	29	afternoon			1	0	0	0	Lightning
Fishers (Hamilton County)	29	evening			0	0	0	0	Funnel
Sullivan and Greene Counties	29	7 p.	28	50 or less	0	0	5	0	Tornado
Carroll, Cass, and Miami Counties	29	7:49 p. - 8:40 p.	7		0	0	4	0	Tornado
Porter County	29	8:15 p.			0	0	0	0	Funnel cloud
									Observed by toll road officer near the intersection of U.S. Road 6 and Indiana Road 149.
INDIANA (Cont'd)	Allen County								
IOWA	29	10 p.			0	1	3	0	Tornado
Keokuk	3	A. M. Statewide					5		Windstorm
Moravia	16	3:00 a					6		Lightning
Lovilia	16	8:30 p					6		Hail
4S Highview, Hamilton County	17	12:30 a	15				6		Hail
Stockport	18	4:15 p					4		Hail
7S Cumberland	18	5:00 p	10	200			4		Tornado
12S Adair	18	5:10 p	3	200			4		Tornado
Danville	18	5:26 p	15	300			5		Tornado
SE Iowa	22	3:30 a					1	6	Windstorm
Braddyville, Page County	28	7:00 p							Funnel
Braddyville, Page County	28	9:00 p							Funnel
Gravity, Taylor County	30	11:30 p						3	Hail
KANSAS									
Thomas and Sherman Counties	1	4:00 p.-6:00 p.							Wind and hail
Clark County	2						2		Dust
Northern Rice County and eastern Barton County	2	About 7:00 p.							Severe wind and hail
Smith County	2	6:45 p.-7:00 p.							Severe wind
Bourbon County	3	1:15 a.-1:18 a.	1/4	75			3		Small tornado
Cloud County	15	10:17 p.	1/4	20			3		Wind gust
Montgomery County	18	10:30 p.-11:00 p.							Hail

See reference notes at end of table.

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<b>KANSAS (Cont'd)</b> Jewell, Republic, Washington, Cloud and Clay Counties	28	3:00p.-4:00p.							Hail
									Local areas from eastern Jewell County across Republic, Washington, Cloud and northern Clay County reported crop and property damage from heavy hail. From Montrose to Courtland some stones were quite large--from walnut and hen egg size to 3 inches in diameter and 8 1/2 inches in circumference.
Marshall and Nemaha Counties	28	4:10p-4:45p.	25	100					3 tornadoes, 2 funnel clouds, and hail
									Intermittent damage occurred from about 8 miles northeast of Frankfort northeastward, passing south of Artell about 1 1/2 miles, northwest of St. Benedicts, and northwest of Bern into Nebraska. In addition to the larger tornado, 2 other funnels touched ground occasionally. Two funnel clouds were sighted aloft. A number of farm plants were destroyed or damaged. Hail of baseball size fell near Artell and Beattie. In other localities smaller sized stones covered the ground.
<b>KENTUCKY</b> Western and Central Counties	19				0	0	4		Lightning, wind
									Widely scattered damage was reported. Lightning damaged a house in Henderson, Henderson County, just before noon. High winds in the Louisville area, Jefferson County, caused a power failure at 9 p.m. High winds toppled several trees in the afternoon in south Fayette County; caused some damage in Montgomery County, and among other items, destroyed 5 barns in Rock Castle County.
Paducah area, McCracken County	19	noon	?	100	0	0	4		Tornado, rain
									A funnel cloud was reported by witnesses. Damaging winds seemed to move in a narrow path, touching down in several places to cause destruction, then lifting and moving on along a southwest to northeast path. A barn was blown off its foundation, several others were damaged, and a number of other farm buildings were damaged. Several farm animals were killed. Trees were stripped of branches and uprooted. Roofs were blown off several houses and roofing was stripped off others. Television aeriels were blown down or twisted over a wide area in the western part of the county.
Somerset area, Pulaski County	19	5:40 - 5:50 p.	long wide	0	0	5			Tornado, rain
									Witnesses stated that a funnel cloud was observed and that a heavy dark cloud touched the ground, moving from southwest to northeast; that the damaging wind and torrential rain followed immediately thereafter. A garage was demolished, the roof of a commercial storage building was blown off, and a number of trees and power lines were downed.
Versailles area, Woodford County	21	11:50 - 11:55 p.	2	100-300	0	3	4	0	Tornado, rain, lightning
									14 barns and other farm buildings were flattened along a southwest-northeast strip on the Maplewood Farm 3 1/2 miles northeast of Versailles. The accompanying sound was described as "like several roaring freight trains or jet planes close by."
Lexington area, Fayette County	21-22	near midnight			0	0	4		Wind
									A windstorm associated with a squall line oriented northeast-southwest struck the area just before midnight. At Blue Grass Field, following a windshift, sustained westerly winds of 46 m.p.h. were observed, with gusts to 71 m.p.h. The storm was accompanied by a light rain shower and lightning. Roofing was blown from several buildings, and a concrete block garage was partially blown down. Scores of trees were toppled to the ground, some onto the ground, some onto rooftops and cars. A number of streets were littered heavily with trees and debris. Awnings were blown down, and several store-front plate glass windows were blown in. Numerous television aeriels were blown down or twisted.
Western Counties	29	6:00 p.			0	1	?		Wind, rain, hail
									Scattered thunderstorms were observed over a wide area. In McCracken County, Paducah had a power failure. Damaging winds unroofed several farm buildings in Benton County, and a church was damaged by a falling tree. Power lines were down in Graves County, following a windstorm which struck at 6:00 p.m. Hail as large as marbles fell at Owensboro, Daviess County, during a brief wind and rainstorm, and one man was cut by flying glass when a window blew out. In Bowling Green Warren County, high winds toppled a tree onto several cars, and a number of TV aeriels and tree limbs were blown down. Louisville, Jefferson County, had heavy rain and wind, downed power lines and trees; wind of 56 m.p.h. was observed at Standiford Field.
Hopkinsville, Christian County	29	8:30 - 9:00 p.	12	200	0	0	5		Tornado, rain, lightning
									A number of people reported seeing a funnel-shaped cloud just before the wind struck. Path of the storm was from west to east, beginning near Gracey and ending 2 miles east of Hopkinsville. A 13-inch thick brick warehouse wall was blown down, and the roof was torn away. Roofs were blown off barns, and some residential roofs were damaged. Livestock and tobacco barns, trees, power and telephone lines, and TV aeriels were blown down.
<b>KENTUCKY (Cont'd)</b> Russellville, Logan County	29	8:10 - 8:20 p.	?	300	0	0	5		Tornado, rain, lightning
									Witnesses reported that a funnel-shaped cloud dipped down out of very dark clouds at the height of a thunderstorm and moved from south to north accompanied by a very loud noise. Most of the damage was in the center and north end of the city. Roofs were torn from the Kaintuck Hotel and from 5 stores. A temporary hospital wall was blown down, store-front plate glass windows were blown out, and streets were filled with shattered glass, tree limbs, and other debris. Torrential rain damaged at least half of the 37 rooms of the hotel, and forced guests to flee. Utility poles and trees were blown down, and residences were damaged.
Rocky Hill Cross-Road, Edmonson County	29	night	?	?	0	0	4		Tornado
									A new concrete building housing a grocery was demolished, and a restaurant-service station and a cattle barn were damaged. A witness saw a funnel-shaped cloud outlined by a flash of lightning; shortly thereafter the roof of the grocery was blown 800 feet away; a portion of the roof struck the car of the witness.
<b>LOUISIANA</b> Lafourche Parish	6	8:25 a.			1	0	0	0	Lightning
									Lightning killed tractor driver in field adjacent Louisiana Highway 1, 3-1/2 SE Lockport.
Rapides Parish, Woodworth	12	6:20 a. - 6:30 a.	6	*4-1/2	0	0	0	0	Hail
									Ground half covered by hail, averaging 3/4 inch, some to 1-1/2 inch. Leaves and small branches beaten off timber.
Winn and La Salle Parishes	29	5:15 p. - 6:20 p.			0	0	5	4	Wind and hail
									Winn Parish: After 5:15 p.-5:50 p. rain at Winfield, hailstones large as golfballs found on east side of town. Hailstorm one of most widespread ever to hit parish. Damaged truck crops, gardens and flowers; nearly wiped out catnip worms. La Salle Parish: 6:00 p.-6:20 p.--Gusty wind, hail and rainstorm approached Tullos from NW. Funnel not seen. Twenty two oil well derricks were blown down, numerous trees uprooted, and several buildings damaged. Storm moved from N of railway, through center of town and then SE.
Morehouse Parish	29	6:43 p. - 7:00 p.			0	0	5	0	Tornadoes
									Two funnels reported to have touched ground. Four million feet "pine saw timber" and 3,000 cords pine pulpwood blown down in two locations. (A) Swath 5 miles long, 1/8 mile wide, cut 1/2 mile S state line and W of Highway 142. (B) Path 7 miles long, 150 yards wide, from Vaughn community to past Highway 142 to N of Beelman. Vaughn: Considerable damage some buildings; Highway 142 blocked 200 yards by uprooted trees, some 12 inches diameter; Beelman: Slight damage some house tops and outbuildings. Some hail followed damaging winds.
<b>MAINE</b> Statewide	4-5				0	1	5	0	Wind
									Northwesterly winds of gale and whole gale force raked the state and caused widespread, mostly minor damage. Some trees and many large branches and wires were downed. Power and phone services were disrupted in a number of communities. Ferry service across Casco Bay was shut down. A tractor trailer carrying 7 new boats was overturned on the Maine Turnpike near Lewiston. The driver was injured.
Southern and central portions	20				0	0	4	0	Wind
									Strong winds and gales caused damage, mostly minor, in many parts of this area.
<b>MARYLAND</b> Entire State	4	5:00AM - 8:00PM			0	3	5	5	Wind and Fires
									Strong winds followed the passage of a cold front which crossed the state during the early morning hours. Wind speeds averaged 30-35 mph and reached 60-70 mph in gusts during the afternoon. Widespread minor damage was done as windows were blown in, signs blown down, and trees blown across utility lines and buildings. Major damage was due to about 150 wind-whipped fires which burned several hundred acres as well as several houses, trailers, barns, and other buildings. The largest fires were near Leonardtown (500 acres) and near the Henryton State Hospital.
Entire State	20	daytime			0	?	5	5	Wind and Fire
									Strong drying winds after 4 weeks with little rain produced "the worst fire hazard in 15 years." Several thousand acres were burned over despite the efforts of hundreds of regular firemen, augmented by military personnel and heavy equipment, highway department workers and equipment, and private citizens. The largest fire was in the Gambrills area in Anne Arundel County. A number of buildings were also burned. Additional minor damage was caused directly by the winds which tore roofs off, broke windows, upset trailers, and blew down trees.

See reference notes at end of table

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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						
<b>MARYLAND (Cont'd)</b> Entire State	23	3:00PM - 8:00PM			1	16+	5	3	Wind	<b>MICHIGAN (Cont'd)</b>										damage to homes and buildings. Power lines were severed by the storms with service disrupted to numerous homes and buildings. Lightning induced fires damaged several homes in the area. Several airplanes were capsized and damaged by high winds.				
									Again winds reached 60-70 mph in gusts, breaking windows, blowing down signs and trees. One man was killed near Pocatoway when a tree fell on him. At least 6 others were injured by falling limbs and trees. Ten men were injured when winds caused the collapse of 2 apartment buildings at Riverdale. A brick barn wall was blown out in Carroll County. Half the size of marbles fell north of Hagerstown. Blossoms and spurs were blown from fruit trees. A Greenhouse at Bosman was damaged. Utility lines were broken and roads blocked by fallen trees.	<b>Coldwater</b>	17	7:13 p.	1	(?)	1	0	4			Tornado			Funnel cloud first sighted over farm of Richard Peall who also heard loud roaring noise. Peall watched the tornado move 1 mile north to the McDonald farm where it touched down and capsized a house trailer fatally injuring the elderly man occupant. Chimney on nearby house was also damaged. The farms are located about 4 miles north of Coldwater.	
<b>MASSACHUSETTS</b> Statewide	4-5				0	6	6	0	Wind	<b>Stony Point and Grand Beach</b>	17	7:20 p. - 7:25 p.	3	33 - 133	0	1	5			Tornado and hail				
									Northwest gales swept the entire state and caused widespread damage. Wind speeds reached 80 m.p.h. in gusts. No part of the state escaped the destructive force of the wind. Trees and wires, signs and TV antennas by the thousands were felled, hundreds of plate glass windows were broken, numerous automobiles and buildings were damaged by falling trees, shingles were ripped from buildings, roofs were lifted or damaged, a number of garage doors were wrenched from their hinges and burglar alarms were set off in wholesale numbers by the strong wind vibrations. Coastal shipping was imperiled. A 300 ft. tanker in Severn was ripped from one of its two moorings. Boat trips to offshore islands were canceled, as were scheduled flights. A family of three was injured in Adams when their trailer house was blown over and heavily damaged by the wind. Two young girls were seriously injured in Cheshire when struck and pinned by a falling tree. Another girl was injured when the wind buried her station wagon against a tree. Forty trailer homes were damaged in one park in Williamstown. Streets in many communities were littered with debris from bowled over trash barrels and containers, and traffic was frequently stalled or delayed on roads cluttered with large branches.															Small tornado moving west to east first touched down at Grand Beach where a garage was demolished and a home suffered extensive damage then tornado apparently lifted and moved across the bay to Stony Point where it touched down again and then moved off into Lake Erie. Eight homes were seriously damaged, trees broken off or uprooted and power lines severed at Stony Point. One minor injury also was reported here. Both these locations are about 5 miles east northeast of Monroe. Large hail in excess of 2 inches in diameter reported in vicinity Monroe, Milan and Maybee.
<b>Northampton</b>	9	1:30 p.	Short	Narrow	0	0	2	0	Dust devil	<b>South Central and Southeastern Lower Michigan</b>	19	4:00 p. - 9:00 p.			0	1	4			Thunderstorms with high winds heavy rains and lightning				
									Dust devil torn down a 20-foot high sign and damaged a mail box on Cons street.											Combination of high winds and lightning severed power lines which disrupted service to many homes in the area. Several lightning induced fires were reported with minor damage to homes. A woman at Ann Arbor received a minor burn due to lightning strike and fire at her home. High winds toppled numerous trees with resultant damage to homes, buildings and cars.				
<b>Holyoke</b>	16	2:30 p.	Short	Narrow	0	1	2	0	Dust devil	<b>Southern and Central Lower Michigan</b>	29-30	10:00p. - 29th 3:00 a. - 30th			0	2	4			Thunderstorms with lightning and heavy rains				
									Woman slightly injured when dust devil lifted her about 4 feet off the ground and dropped her on an asphalt parking lot at a shopping center. Whirlwind moved from north to south through the lot, shattering the rear window of a parked automobile. Windshield of car parked alongside was pock-marked by flying glass.													Man and wife injured when lightning set fire to their home in Saginaw. Several other lightning induced fires were reported with damage to homes in the area. Heavy rains flooded streets and backed up sewers.		
<b>Statewide</b>	20				0	0	4	0	Wind	<b>Lower Michigan</b>	30	3:00 a. - evening			3	5				High winds, rain and snow				
									Northwesterly gales did widespread, mostly minor damage.											High winds estimated up to 75 miles per hour spread heavy damage throughout all lower Michigan and on Lake Michigan and Lake Huron. Three men injured on lake freighter when high winds damaged the wheel house of the ship on Lake Michigan. Smaller ships along the shores of Lake Michigan and Huron and also on inland lakes suffered damage due to high winds also. Hundreds of trees were uprooted and toppled throughout the area damaging buildings and homes, blocking streets and roads and cutting power lines which disrupted service to many homes in the area. Heavy window glass breakage reported throughout the entire area.				
<b>Morwood</b>	29	12:45 p.	Short	Narrow	0	0	3	0	Dust devil															
									While a fire was raging nearby, a whirlwind crossed Morwood Airport advancing toward the HNE and then to the east. During its 3 or 4 minute duration, it tugged at a roped down Piper Comanche, then hit and flipped over a Piper Tripecer (1800 lbs). Damage to plane was estimated at \$1500.															
<b>MICHIGAN</b> Ontonagon	1-2	1:00 a. - 1st - 11:00 a. - 2nd						6	Flood and heavy rains	<b>MINNESOTA</b> Plymouth, Stearns County	1	1:10 p.m. - 10:45 a.	10	#3	5				Hail					
									Warm temperatures caused heavy snow melt runoff into the Ontonagon River along with heavy rains. Ice jams at several bridges along the river were the major contributing factors of this worst flood in the history of the village of Ontonagon. Most of the business district as well as some residential areas were flooded. Various commercial buildings with equipment and inventories suffered severe flood damage. Homes and all other buildings along with their contents reported severe damage from the flood waters. Governor of Michigan requested Federal Government to declare the village a disaster area.													Hail up to 3 inches in diameter damaged signs, roofs, and automobiles; broke many windows and smashed greenhouses.		
<b>Entire State</b>	3	2:00 p. - 3rd - 9:00 a. - 4th			0	3	5		High winds	<b>Minneapolis-St. Paul, Hennepin-Ramsey Counties</b>	3	a.m.			h				Wind					
									High winds estimated up to 75 miles per hour felled numerous trees with resultant damage to buildings, homes and cars. House trailers were capsized with damage reported. Many TV antennas were blown down. Two men injured at Petoskey by falling wall of building under construction. Numerous windows were blown in and broken throughout the area with one person injured by falling glass at Sault Ste Marie. Various signs damaged. Power lines were severed by falling trees with service disrupted to hundreds of homes.	<b>MISSISSIPPI</b> Coastal Division	6	9:50 a. - 10:45 a.			0	3	5	0				Waterspouts		
<b>South Central and Southern Lower Michigan</b>	17-18	6:30 p. - 17th - 2:00 a. - 18th						5	Thunderstorms with hail, high winds, lightning and heavy rains	<b>HARRISON COUNTY:</b> 9:50 a.-10:00 a. Waterspout from SW approached Pass Christian, broke boat moorings, 8 side harbor wall, overturned two boats in harbor when Yacht Club pier railings flew into air, members evacuated porch before windows exploded into sound 100 feet away; porch roof collapsed, ventilator on main roof removed, boat repair building roof stream over 300-foot area. No injuries reported.												<b>JACKSON COUNTY:</b> 10:45 a. During heavy rain squall, waterspout from SW approached Pascagoula beachfront, destroyed five nearby tourist cabins, scattered clothing and bedding in trees; cut 75-foot path rear Longfellow House grounds, tossed heavy concrete furniture 100 feet; cracked swimming pool bath house and scattered tile roof about grounds; then W on Chicot Road with minor damage, rattling houses up to 1-1/2 miles inland.		

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
MISSISSIPPI (Cont'd) Southwest and South Central Divisions	12	2:00 a.-10:15 a.			0	0	6	4	Thunderstorm, lightning, hail	
									Severe thunderstorm moved S; some areas damaged by hail, lightning and wind. HINDS COUNTY: 2:20 a.-2:30 a. Jackson: Lightning bolt observed striking frame building of lumber company; paint and supplies ignited; fire consumed buildings and equipment. COPIAR COUNTY (after sunrise), Messon reported worst hailstorm in years, building roofs damaged. PIKE COUNTY: 8:30 a.-9:00 a. Vicinity McComb and Summit: Golf-ball size hail covered area 15 by 3 miles. Some 1-1/2-inch hail downtown McComb; some 2-inch at McComb FAA Airport. Traffic halted, greenhouses destroyed, most costly damage to roofs. Fifteen adjusters arrived near noon to settle estimated 3000 insurance claims. WALTHAM COUNTY: Small hailstones N part, little damage. Tyler-town: Hail scattered, measured 3/4 - 1 inch, some up to 1-1/2 inches.	
Lower Delta, North Central and Northeast Division	28-29	8:00 p. 28th-1:15 a. 29th			0	0	5	4	Thunderstorm, wind, rain, hail	
									Trees felled by wind at various places along or near a line Yazoo City-Greenville-Coffaville-Ingomar. No serious injuries or fatalities; no funnel clouds reported. In hardest hit areas, rainfall reported excessive. Some damage newly-planted fields when hail and driving rain hard-packed soil; some heavy damage by excessive rain through erosion and sedimentation; some local flash flooding. Many trees uprooted or snapped off above ground, some damaged buildings as they fall, others blocked roads and highways. Some buildings damaged. Numerous television antennas and utility poles toppled. Greenwood Airport measured wind speeds up to 61 mph as line of thunderstorms from SW moved NE.	
Coahoma County	29	3:20 p.-3:25	7	440	3	9	5	4	Tornado, hail	
									One funnel aloft formed S of Helena, La., crossed Mississippi River, touched down in SW area of Moon Lake, moved over lake and then SE of Lula. Hail started before passage, partially covered ground in seven by one mile area, average one-inch diameter, some to three inches. Buildings, pecan groves, cotton fields, and trees destroyed or damaged. Pickup truck carried 50 yards, passenger fell out and died. Funnel whipsawed across lake, picked up water in a 40-50 foot fountain, kicked up waves; when water surged back, it washed away some buildings and piers outside tornado path. Near Lula, three men in abandoned house trailer lifted across wooded area, two men for 100 yards, one man for 200 yards, trailer demolished. Near Rich, one house carried 1/4 mile, the 10 occupants survived. Tornado carried Social Security Card 75 miles to Hickory Plat. County declared disaster area by Farmer Home Administration.	
Tunica, Quitman, and Panola Counties	29	Late afternoon			0	0	5	4	Wind, hail	
									After the funnel receded, the thunderstorm that spawned the Moon Lake tornado moved NE. Heavy damage reported at Tunica and Crenshaw from high winds and large hail. Tunica County declared disaster area by Farmer Home Administration.	
Coahoma County	29	6:45 p.-6:50 p.			0	0	0	0	Tornado	
									Funnel aloft observed about 3 SE Clarkdale. Fluctuated several times, then hit ground in Deavenport area, sending up swirl of water and mud, picked up debris, wandered 1-1 1/2 minutes, then abruptly parted; split in two as though cleft by onrush of air from N; disappeared in two dissolving prongs, rising back into the clouds over Clarkdale.	
Northeast Division	29	6:15 p.-6:30 p.	5	1000	3	25	5	0	Tornado	
									LEE COUNTY: Funnel visible for miles; no rain, no hail, no wind; many took shelter. Passed 1-1/2 S Shannon, through Chiwapa Bottom, across Highway 45 to New Chapel community (NE of Battleton), continued NE as a swath of downed trees. Twenty seven homes demolished, 3 major damage, 50 minor damage. Asphalt chunks torn from Highway 45 and scattered hundreds of yards. County declared disaster area by Farmer Home Administration. ITAHAMBA COUNTY: Swath of downed trees continued into edge of county. Several people Tilden community reported funnel aloft and roar going toward Hill Mountain Bottom. Some debris, believed carried from Shannon, found near Tilden and near Tiesmont. MONROE COUNTY: Several people in Amory saw a tornado funnel moving from SW to NE, to the N of Amory (likely the Shannon tornado). No serious damage, but high winds, thunder, lightning, and hail kept most residents awake until midnight.	
Monroe County	29	9:30 p.	5		0	0	4	3	Funnel aloft, wind	
									Fast moving funnel aloft observed in sky made white by sheet and streak lightning. Passed over Aberdeen at trestop level to NE beyond Tombigbee River, then vanished into clouds. As it went over, giant oaks were ripped down, some crashing into houses; tree limbs showered over city. About 1/2 N Highways 8-25 intersection, damaged houses and barns, destroyed apple orchard.	
MISSOURI										
Center, Harrison, Grundy and Sullivan Counties	16	6:00 to 9:00 pm	75				5	4	Hail	
									One or more thunderstorms with large hail moved through the area from Albany to Milan. Golf ball size hail at Albany, extensive damage to vehicles, roofs, and glass. Claims filed for \$250,000 in the Albany area.	
MISSOURI (Cont'd)										
Keytesville to Warren Chariton, Randolph, Shelby, and Marion Counties	17	5:00 to 7:00 pm	80				5	4	Thunderstorm with hail and Tornado	
									Extensive damage in Chariton and Randolph counties by golf ball size hail. Confirmed tornado damage to farm buildings on an irregular path from western Shelby County nearly to Mississippi River.	
Chula, Princeton Livingston and Grundy Counties	18	7:45 - 8:30 pm					5		Hail	
									\$200,000 damage by hail at Princeton. Extensive wind damage to buildings in southern Grundy and northern Livingston Counties. Some evidence of tornado.	
Clay County	18				1				Lightning	
									Man operating lawn mower killed by lightning.	
Jamestown Daviess County	18	3:30 pm					4		Hail	
									Golf ball size hail causing damage to roofs, windows and vehicles.	
Columbia, 15 mi E Boone County	19	2:00 am	20				4		Thunderstorm	
									Thunderstorm 25 miles in diameter moved from Jefferson City north to 15 miles east of Columbia. Pressure at Weather Bureau Airport Station Columbia was 28.76 at 1:30 am, down to 28.57 at 1:55 am, when center of storm was 15 miles east of station which was as close as it came on its northern trajectory. At 1:55 am wind at WBAS Columbia northwesterly gusts to 75 miles per hour. Wind damage to farm buildings.	
Mound City and Pattonsburg Holt, Daviess Counties	22	12:30 - 1:30 am					1	4	Tornado	
									Granary lifted from foundation near Mound City and scattered over ten-acre field. Pieces of metal roofing lodged in tree tops in area. Other wind damage. One hour later extensive wind damage directly east at Pattonsburg.	
Howell, Oregon, Cape Girardeau and Perry Counties	22	6:00 - 8:00 pm					1	5	5	Thunderstorm
									One injury from flying glass in southern Howell County storm. Severe hail damage to wheat in Appleton-Uniontown area in Cape Girardeau and Perry Counties. Lightning and wind damage also in this area.	
Pemiscott County	29	5:30 pm	15				3		Tornado	
									Funnel observed by several persons moving across southwest Pemiscott County in southwest to northeast path 15 miles long. Touched down at only one spot, removing half of one house.	
Bollinger, Stoddard and Cape Girardeau Counties	29	4:00 - 4:45 pm	15				1	4	5	Tornado
									Tornado first touched down at Brownwood near Bollinger-Stoddard County line at 4:00 pm, moved to just south of Advance where it destroyed a large metal quonset type shoe company warehouse at 4:10 pm. Shops stored in building thrown 5 to 600 feet in the air and came down over a wide area. House trailer blown completely away leaving metal frame and wheels. Reported by eyewitness to have been picked up, then while in the air exploded into small pieces. At 4:30 pm tornado arrived at Randless community resulting in one death, three injuries; 9 houses and 1 store at Randless demolished. At 4:55 pm observer at Cape Girardeau FAA station reported cornstalks falling in city of Cape Girardeau. This was final report indicating path of funnel and debris. Considerable large diameter hail reported with this storm.	
Fredericktown Madison County	29	3:45 pm					3		Tornado	
									Funnel cloud observed by several persons moving from northwest to southeast for distance of ten miles. Touched down only at one place 3 miles northwest of Fredericktown with damage to farm buildings.	
Howard, Boone, Randolph, Monroe and Marion Counties	29	12:00 - 6:00 pm					5	5	Thunderstorms	
									Extensive damage to crops and to buildings on farms and in cities in these counties caused by strong winds and large diameter hail.	
Boonville Cooper County	29	12:10 pm					1	6	4	Hail
									Strong west wind and 2 1/4 inch diameter hail throughout the city of Boonville. 25% of all glass facing west was destroyed. Roofs and vehicles damaged or destroyed. Damage estimates by insurance agents vary from \$1,000,000 to \$2,000,000.	
MONTANA									None reported	

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APRIL 1963

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					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA									
Near Niobrara	2		Spot	Spot	0	1	0	0	Lightning
			Personal shock and minor burns resulted from lightning.						
Western and Central Nebraska	15	2-10 p.						4	Wind
			Area near Superior, Kearney, and from Sidney to Ryanis suffered the greatest losses from high winds that covered most of the State.						
Near Auburn	28	3:00 p.	5	300	1	8		4	Tornado
			Three miles west to four miles north of Auburn. Path about 100 yards wide at first and then gradually narrowing to less than 100 yards. Scattered damage from strong winds occurred an additional 5 to 10 miles northeastward. The death and injury victims were all occupants of an automobile that was carried and rolled about 500 feet.						
Colfax, Dodge and Cuming Counties	28	3:45 - 4:30 p.	1 1/2	300				4	Tornado
			This tornado apparently touched down about 12 miles north of Schuyler, damaged 5 farmsteads in a 5-mile strip to the northeast, lifted over a 6-mile strip and touched down again for about 1/2 mile damaging 3 more farmsteads with the last one being about 11 miles south, southwest of West Point. Small hail accumulated to depth of 2 inches near Oakland, did little or no property damage.						
Southeastern Nebraska	28	4-8 p.			0	0	4	5	Hail
			Hail was scattered throughout southeastern Nebraska with nearly total loss to vegetation in a large area in Jefferson county just north of the tornado near Endicott.						
Southeast of York	28	4:30 p.	Less than 1 mi.	200 or less	0	0	0	0	Tornado
			Two funnels were sighted between 4:30 and 5 p.m. Believed to be about 1/2 mile southeast of York. One funnel dropped to the ground in an open field for about 10 minutes, moving slowly to the northeast. It was of the "rope type" and was visible for many miles.						
Near Endicott	28	5:00 p.	1/2	400	0	0	4	2	Tornado
			Wind damage associated with the funnel was scattered over an area from about 10 miles south of Fairbury to about 10 miles east of Fairbury. It apparently touched down only once and moved about 1/2 mile northeastward from a point 2 miles west of Endicott.						
SW Milford	28	4:45 p.	1 1/2	Narrow	0	0	0	0	Tornado
			Touched down in open country, moved northward and dissipated.						
NEVADA			None reported						
NEW HAMPSHIRE									
Statewide	4-5				1	0	4	0	Wind
			Winds gusting to 60 m.p.h. or higher did widespread damage. Many communities lost power and phone services when wind-felled trees and large branches took wires down with them or caused short-circuits. Signs and TV antennas were broken or twisted. A woman was killed near Concord when the wind flipped over her small foreign-made compact automobile.						
Statewide	20				0	0	4	0	Wind
			Strong winds and gales caused widespread, mostly minor damage.						
Statewide	22				0	1	4	0	Wind
			Strong winds and gales damaged local areas over the state. A light plane was blown to the ground and badly damaged a few seconds after take-off at Jaffrey. Plane was blown down after reaching height of about 70 feet. Pilot was only slightly injured.						
NEW JERSEY									
Central and southern counties	20, 21.				6	?	7		Forest fires
			A large number of wind-driven forest and brush fires on these dates, as well as some fires on other dates, were the worst in 40 years in central and southern New Jersey. Six deaths and numerous injuries were attributed to the fires, as well as the loss of many homes and places of business in addition to the loss of woodlands.						
NEW MEXICO									
Hobbs, Lea County	1	Late afternoon					5	?	Hail
			Six minute shower of small pea to golf ball size hail. Light damage to vegetation. Light electrical storm. Some windows, signs, and autos battered.						
NEW YORK									
Statewide	4				3	6	7		High winds
			Severe spring storm with widespread wind damage. Winds ranged between 50 and 80 mph over most of the State and were reported as high as 93 mph in the Niagara Frontier area. Damages were particularly severe in the New York City-Westchester-Long Island area where dollar value for damages was estimated in the millions and two deaths as a result of winds with at least six injured. Principal destruction was downed wires and trees, blown out windows, widespread damage to structures and wind-blown debris. Wind-blown ice piles did extensive damage at Lake Okauchie near Syracuse. Extensive flooding occurred in the Black River Basin. A third death occurred in the Syracuse area due to downed power lines.						
NEW YORK (Cont'd)									
Scattered areas across the State	18-20							5	Severe thunderstorms, high winds
			Severe thunderstorms and high winds did considerable localized damage to barns, dwellings, trees and power lines. Rome-Camden area suffered lightning-caused fires to barns and dwellings. Plate glass windows blown out in Albany area. Wyoming and Livingston counties suffered lightning and wind damage; one home lifted off its foundation, trailers off foundations and boats blown from lakes. Many other areas of the State reported similar damages.						
Southeastern area, especially on Staten Island	20-22							6	Dry weather; high winds
			Dry weather and unusually windy conditions produced widespread brush fires. The condition reached disaster nature on Staten Island where 116 buildings were destroyed and 500 persons made homeless.						
NORTH CAROLINA									
Anson, Ashe, Cumberland, Davidson, Forsyth, Guilford, Hertford, Lee, Randolph, Rockingham, Rowan, Sampson, Union Counties	22	12 noon - 4 pm			0	0	5	4	Electrical, Wind, Hail
			Widespread thunderstorms with resulting damage from lightning fires, hail and wind. Trailers and outbuildings blown over, trees blown down on houses, power lines and autos. Heavy hail damaged cotton and wheat in Anson County; hail also heavy in Thomasville area of Davidson and Randolph Counties.						
Brunswick, Columbus, Lee, New Hanover, Robeson Counties	23	3-4 pm			0	0	5	3	Electrical, Wind, Hail
			Similar conditions to previous day, located more to southeast. Wind and hail damaged roofs, blew down trees. Lightning set fire to barns and warehouses. Hail damaged tobacco in fields.						
Chowan County	29	9 pm			0	0	3	4	Hail
			Scattered damage to cotton, corn and tobacco in fields. Slight damage to roofs and windows.						
Edgecombe County	30	6 pm			0	0	5	4	Hail, Wind
			Brief, heavy thunderstorm at Tarboro, with hail up to golf ball size; many windows broken. Wind blew down trees.						
NORTH DAKOTA									
Counties of Steele, Griggs, Nelson, Ramsey and Cavalier	2-3							5	ICE STORM
			Ice storm began the evening of April 2 and continued through the 3rd. The storm was accompanied by winds to 60 miles per hour. Damage was mainly to telephones and power lines and poles.						
OHIO									
Defiance	17	Evening			0	0	4	0	Large hail
			A heavy thunderstorm struck in Defiance during the evening accompanied by considerable hail. Largest stones reported in excess of golf-ball size, 15,000 panes of glass were broken in greenhouses, and many car tops dented. This same squall line continued to produce heavy thunderstorms across northern Ohio causing scattered wind damage to trees, roofs, utility lines, etc.						
N. Ridgeville	19	3:30 PM	Short	Narrow	0	0	4	0	Tornado
			A small tornado occurred in N. Ridgeville, 10 miles west of Cleveland Airport demolishing a barn, breaking many trees, unroofing at least one house, and doing miscellaneous damage to buildings along a narrow path.						
Akron	19	4:20 PM	?	?	0	0	6	0	Tornado
			In the Akron-Canton area several small, poorly-developed tornadoes were in evidence, several buildings in a shopping center were heavily damaged, and a brick wall on a factory building was blown down. These were part of squall line thunderstorms which completely removed or heavily damaged several hundred roofs and demolished a dozen or more buildings over Wayne, Summit, Stark, and Portage Counties.						
Canfield	19	5:00 PM	15	Narrow	0	0	5	0	Tornado
			A small, hit-skip tornado traveled from near Ellsworth eastward to Boardman. All along this path roof and miscellaneous damage occurred in spots. Most severe damage was reported at Youngstown Executive Airport where two hangars were extensively damaged. 14 planes suffered varying amounts of damage which was estimated at \$1000 each.						
Yellow Springs	19	3:00 PM	?	Narrow	0	0	5	0	Tornado
			Heavy thunderstorm winds and rain visited the Yellow Springs-Seaver Creek area during mid-afternoon. There was at least one poorly-developed tornado. One house roof was lifted off, and slammed against a neighbor's home severely damaging it also. At the Deterbein home for children and the aged 4 miles south of Lebanon several cottages suffered roof damage from strong winds.						
Williamsport	19	3:15 PM	Short	Narrow	0	1	4	0	Tornado
			Judging from loud, roaring noise heard this storm is classified as a mild "tornado". The major damage caused in this small community was to a house trailer which was lifted over a fence and dropped. Also barns were partially unroofed at nearby Waterford.						

See reference notes at end of table



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OHIO (Cont'd)									
Kenton	19	2:20PM	Short	Narrow	0	0	4	0	Tornado
	Two barns and a machinery shed on adjacent farms were partially demolished about 6 miles south of Kenton. The localized nature of damage identifies this storm as a probable tornado. Also in nearby Arlington a house trailer was tipped over, and minor damage was done to trees and buildings.								
Marion	19	2:40PM	?	Narrow	0	3	4	0	Tornado
	A localized windstorm, having the characteristics of a "mild" tornado, hit in the southern part of Marion. 6 garages were destroyed, many trees were uprooted, and other typical damage was done to roofs, signs, windows, etc.								
Geneva	19	10:30PM	Short	Narrow	0	0	4	0	Tornado
	What was probably a small tornado, like those which had visited scattered points over the state during the afternoon struck in Geneva during late evening. While several small outbuildings were at least partially destroyed, the principal damage was to the school-bus garage. The roof was lifted and dropped, and 6 buses sustained some damage to roofs and windows.								
	All the above tornadoes were of like character and were imperfectly developed. They occurred in connection with a squall line which traversed the entire state accompanied by violent thunderstorm activity. Storms reported constitute only those best reported, and there doubtless were others. Most severe storms were confined to northern and west-central sections of the state.								
Dayton	22	Afternoon					0	0	Funnel aloft
	An airline pilot reported seeing a funnel aloft 5 miles southwest of Dayton. In the same general area lightning fires were set at Celina and near Eldorado.								
OKLAHOMA									
Texas County	2	10:30 a.-7:30 p.			0	5	4	0	Wind and blowing dust
	High winds gusting to 60 MPH over County caused extensive blowing of dry soil which limited visibility to near 1/4 mile at times. At the storm's height about 3:30 PM, visibility was reduced to near 10 feet along Hitch Road 4.8 miles southeast of Gaymon, where a car crashed into two cars halted on the highway. Five persons were injured. One car was consumed by the resulting fire, and the other two cars were badly damaged.								
Apache, Caddo County	14	9:45 p.-9:47 p.			0	0	0	0	Hail
	Severe storm observer reported few hailstones of 1/2- to 3/4-inch size fell over City. No damage reported. Storm moved northeast.								
Central Comanche County	17	9:00 p.-10:00 p.			0	0	?	?	Hail
	Cadoe area received a few hailstones up to 2-1/2 inches in diameter about 9 PM, while Lawton area reported hailstones up to 1-1/2 inch size just before 10 PM. Both storms moved northeast.								
Anadarko, Caddo County	17	9:55 p.			0	0	0	0	Hail
	Hail averaging 3/4 inch in diameter with some stones up to 1-1/4 inch size reported covering ground on south side of City. No damage reported. Storm moved north.								
Crescent, 5NW, Logan County	18	2:20 p.	Short	Narrow	0	0	0	0	Hail
	Hail up to 3/4-inch size provided a 10 percent ground cover. Storm moved northeast.								
Central Murray County	18	7:15 p.			0	0	0	0	Funnel aloft
	Severe storm observer watched a funnel aloft form just to the southwest of Davis and move to the northeast. Funnel height estimated about 1,500 feet, and it did not touch the ground.								
Newoka, Seminole County	18	8:00 p.	Short	Narrow	0	0	0	0	Hail
	Hail ranging up to 1 inch in diameter provided nearly a 10 percent ground cover just to the southwest of City.								
Cooperton, 4N, Kiowa County	24	About 7:00 a.			0	0	4	0	Electrical
	Farm home and contents were consumed by fire after being touched off by a lightning strike.								
Henryette, Okmulgee County	24	Morning			0	0	4	0	Electrical
	Lightning strike entered home through wiring to electric range, with the resulting fire consuming entire house and contents.								
Oklahoma City, Oklahoma County	24	10:12 a.			0	0	4	0	Electrical
	A lightning strike touched off a blaze that razed a downtown tavern and damaged several upper floors of the same building.								
OKLAHOMA (Cont'd)									
Northwest Coal County	24	About 6:30 p.	Short	Narrow	0	0	0	0	Tornado
	Rancher observed touchdown of small tornado four miles east-northeast of Lula. Small damage path through black-jack oak stand indicated movement to east-northeast.								
Northwestern Wagoner County	25	Early Morning			0	0	?	0	High wind
	Strong, straight winds buffeted the area with Tulsa's Municipal Airport registering gusts up to 58 MPH. Winds reportedly much stronger in Coweta moved a large galvanized quonset type building off its foundation causing it to collapse.								
Stratford, Garvin County	25	2:00 a.	2	*1	0	0	3	0	Hail
	Area mostly covered by 3/4-inch size hail with a few stones up to 1 inch in diameter. Damage was limited mostly to roofs. Storm moved east.								
Waskom, Garfield County	25	2:30 a.	4	*2	0	0	0	0	Hail
	Hail averaged 1/2 inch in diameter with some stones up to 1-1/8 inch size. Storm moved eastward towards the City where only a light fall was reported, while the ground was covered west of the City. No damage reported.								
Hugo, Choctaw County	25	4:30 a.	?	?	0	0	0	0	Hail
	A few hailstones averaging 3/4 inch in diameter and some up to 7/8-inch size fell over City briefly. No damage reported.								
Duncan, near, Stephens County	26	3:30p.-4:00p.	Short	Narrow	0	0	0	0	Hail
	A hailstorm four miles north of Duncan covered the ground with 3/4-inch size hail and provided a few hailstones up to the size of 2-inch eggs. No damage reported.								
Frederick, Tillman County	26	5:20p.-7:30p.			0	0	0	0	Funnels aloft
	Two funnels aloft were reported by a severe storm observer just northwest of City. They moved rapidly to the east and rose out of sight during the thunderstorm that provided 2.32 inches of rain.								
Southeastern Comanche County	26	After 6:00 p.			0	0	0	0	Rains
	Reoccurring thunderstorms moving northeast across area during the evening hours provided locally heavy rain amounts up to 4.10 inches at Lawton. Unofficial amounts up to 5.00 inches were reported from immediate vicinity to southeast of Lawton. No damage reported.								
Alfalfa and Grant Counties	28	1:00a.-2:30 a.	17	*2	0	0	4	4	Hail
	Hailstorm center hit 1-1/2 miles to the west of Helena and then followed a northeasterly path to the vicinity just northwest of Wash. The Helena area was hardest hit with hail averaging 1/2 to 1-1/2 inches in diameter and a few irregular stones were reported up to 3 inches in diameter. The ground was covered to less than 1 inch depth, and larger stones drove to a depth of 1-1/2 to 3 inches into the ground. Considerable damage was reported to most roofs and trees with some wheat farmers reporting a 40 to 50 percent loss. Slight crop damage was received in the Wash area as only soft hail fell there. Stones ranged from 1/2 to 1 inch in diameter and covered only about 25 percent of the ground.								
Mayes County	28	2:55p.-3:10p.	20	*6	0	0	4	0	Wind
	A squall line moving eastward across the county was accompanied by damaging southeasterly winds in the area from Chouteau to Pryor to the Grand River. Insurance agents in the Pryor area reported over 200 claims of wind damage covering broken windows, damaged roofs, car parts and TV antennas, three demolished steel grain bins, two barns and numerous outbuildings. Many electrical and telephone outages were also reported with five poles downed by the winds. Several large trees were uprooted.								
OREGON									None reported
PACIFIC AREA									
Gum, Saipan, Tinian, Rota	29-1				0	?	6	0	C Typhoon
	Typhoon OLIVE struck a devastating blow to several of the Marianas Islands inflicting extensive damage. The storm hit Gum on the 29th, Rota on the 30th and Tinian and Saipan on April 30-May 1. Saipan, with 95 percent of the homes extensively damaged and 5 percent demolished, suffered the greatest loss. On Rota all agricultural crops were lost and many homes destroyed or damaged. Power and telephone lines were knocked down by the storm, many commercial and public buildings damaged, crops damaged or destroyed and miscellaneous other damage reported. Several people were injured by the storm but the exact number is unknown. Total damage was estimated at \$5 million.								
	NOTE: A more complete and detailed description of this typhoon will be found in the <u>Martinez Weather Log</u> for May 1964, and in <u>Climatological Data, National Summary Annual 1963</u> .								

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>PENNSYLVANIA</b>									
Bedford & Erie Area	3	Night					4		Thunderstorm
High winds accompanying the storm unroofed a church near Erie. A barn and contents were destroyed by lightning-induced fire in the vicinity of Bedford.									
State-wide	4	Afternoon & Night			1		5		Wind
Winds of 50 to 60 mph, with gusts to 77 mph, toppled trees, downed utility lines, TV antennae, and billboards; unroofed a number of buildings, overturned several house trailers, and blew in several plate glass windows, throughout the State. A number of barns and silos were demolished by wind. A 13-year-old Lewistown boy was killed when winds blew in the roof of a Little League baseball dug-out in which he was sitting.									
New Castle	17	Night					3		Thunderstorm
Lightning killed 9 cows valued at \$2500.									
Western Counties	19	Late Afternoon				1	5		Wind
Wind gusts of up to 75 mph unroofed or damaged a number of structures broke windows, downed several barns and demolished a few newly-constructed cinder block walls. At Beaver County Airport 5 airplanes were damaged by the strong winds. A Beaver Falls girl, standing on a street corner, was injured by flying glass from a broken window.									
Reading	21	5:30 P.M.	0.2	15			2		Twister
Brick veneer was torn from the side of a school building.									
State-wide	22-23	Night					4		Thunderstorm
Strong winds accompanying thunderstorm damaged a number of house & barn roofs and collapsed several other barns. Near Chambersburg lightning fired a barn in which 2 cows perished.									
Marcus Hook	30	7 P.M.					3		Thunderstorm
Lightning ignited 3 petroleum storage tanks of the Sun Oil Company. Damage was not too extensive, however, as the fires were extinguished within a relatively short period of time.									
<b>PUERTO RICO</b>									
<b>RHODE ISLAND</b>									
Statewide	4-5	PM of 4th through AM of 5th			0	0	4	0	Wind
Unusually heavy and sustained winds, which frequently reached 60 mph and occasionally 70 mph in gusts, smashed plate glass windows, fanned fires, damaged small structures, uprooted trees, lifted the roof of a lumber yard and caused a number of electric power and communication failures.									
<b>SOUTH CAROLINA</b>									
Colleton County, 30 miles N of Beaufort	16	4:50 pm			0	0	0	0	Funnels
Military aircraft observed funnels with bases apparently at 35 thousand feet elevation.									
Oconee County	29-30				0	0	4	0	Heavy rains
Heavy rains, seven to eight inches in two days, caused washout of four bridges, one culvert and caused a cave-in of a 50-ft. section of highway 123.									
Barnwell, Barnwell County	30	6:30 pm - 5:45 pm	1	500	0	0	1	0	Tornado
Two funnels observed moving from NW to SE.									
<b>SOUTH DAKOTA</b>									
<b>TENNESSEE</b>									
Knoxville, Knox County	29	2:55 p.			0	0	4	0	Lightning
Lightning struck a house in the Deans Hill Section burning two rooms and damaging the remainder of the house.									
Rockwood, Roane County	29	3:20 p.			1	1	3	0	Wind
One man was killed and another injured when a metal roof on a cast shed collapsed at a blast furnace during a severe thunderstorm.									
Maury City area, Crockett County	29	6:10 p.	10	30	3	6	5	?	Tornado and hail
Tornado first struck one mile north of Maury City where two women were killed and a man injured slightly when their house was demolished. A 6-month-old girl was fatally injured and a man, woman, and boy injured when their house was demolished. A woman received a fractured wrist and a man a minor knee injury. The funnel cloud was reported seen by numerous people and was described as looking like an elephant's trunk, later filled with debris. Tornado moved eastward striking the Nanpe Community where many residents had barely escaped in automobiles after seeing tornado or being warned by other fleeing motorists. Other areas hit were the Cairo and Quince Communities before the tornado apparently dissipated near the Gibson County line. 45 families were affected by the storm. 21 homes, 2 churches and a community center were totally destroyed. 4 houses received major damage, 11 minor damage, 4 barns destroyed, and 18 outbuildings partially									
<b>TENNESSEE (Cont' d)</b>									
or totally destroyed. Cars, trucks and farm machinery were smashed, trees uprooted, utilities and fences damaged, and livestock killed. Hail was reported as large as marbles.									
Milan area, Gibson County	29	6:45 p.	5	1320	0	0	4	0	Wind
Strong winds during thunderstorm 3 miles northwest of Milan did considerable damage to power lines, destroyed several large barns, tool sheds, garages, and blew down lots of trees.									
Minor Hill area, Giles County	29	10:00 p.	5	50	0	0	4	0	Tornado
Tornado moved eastward across the sparsely populated southwest corner of Giles County through the Pincheon Community 1 1/2 miles south of Minor Hill. Greatest damage was hundreds of uprooted trees. Two houses were damaged by fallen trees, two barns were destroyed, and roofs and power lines damaged.									
<b>TEXAS</b>									
Near Haskell, Haskell County	5	9:00 p			0	0	3	0	Tornado
A small tornado destroyed a barn and contents on the Gofield farm near Haskell. Property loss was estimated at \$1200. A heavy cedar post standing in the center of the structure was drilled 5 feet into the ground near the southeast corner of the Gofield home, about 100 yards from the barn. A barn at the same spot was blown away May 26, 1962. Pieces of the barn were blown 300 to 400 feet east of its location.									
Wichita Falls, Wichita County	17	6:13 p - 7:00 p	?	?	0	0	?	?	Hail
Hail averaging two inches in diameter with largest stones four inches in diameter fell along a strip from about 10 miles north of Archer City to the southeast edge of Wichita Falls. Damage was generally light, limited mostly to broken window panes, screens, and stripped trees. One Weather Bureau employee living in southeast Wichita Falls reported the storm sounded like a freight train.									
8 NE Electra, Wichita County	17	7:30 p	2	*1	0	0	?	?	Hail
Extensive hail damage occurred in an area about 8 miles northeast of Electra. The home of J. D. Fennell received damage to roof and siding, screens, and broken window panes. Hail the size of golf balls severely damaged an automobile at the Lloyd Brown home located north of the Fennell home. All of the windows on the south side of the home of Clyde Cummings were broken during the storm. Mr. Cummings reported hailstones that measured seven inches in circumference. Considerable crop damage was also reported in the path of the storm.									
Frisco, Collin County	22	5:30 p - 5:40 p	7	*1	0	0	5	5	Tornado
A tornado struck the western section of Frisco, unroofed several homes, uprooted trees, and filled the city's streets with debris. Several grain storage tanks 20 feet in height were blown over and some were reported blown as far as 100 feet away. Residents of Frisco said they saw very little of the storm hit, but that the sound was as if a low-flying jet was passing over the city. J. W. Tittle, service station owner, said, "We watched it getting darker. It was a big, bowl-shaped cloud, with no tail." Property damage was estimated at \$200,000. Crop damage was estimated at \$100,000. The storm moved from northwest to southeast.									
McGregor, McLennan County	22	9:45 p - 10:00 p	5	*2	0	0	?	?	Hail
Hailstones up to 3 inches in diameter damaged some 500 to 700 homes in McGregor. Forty-five panes of stained glass windows were broken on the north side of the First Methodist Church. Most of the damage was to roofs, automobiles, asbestos siding and window panes. Some farm damage occurred, but most of damage was in the residential area.									
Anson, Jones County	26	afternoon	?	?	0	0	?	?	Hail
A hailstorm which struck Anson and vicinity caused 50 per cent to total loss on residential roofs in the west and northwest parts of town and lighter amounts in other parts of Anson. Heaviest damage to wheat and other crops was west of town and along a narrow strip almost on a line from Anson to Leadars. Total losses were reported on some fields in this area. Other fields, northwest and north, including the Corinth area, received losses estimated at one-third to one-half.									
N. Snyder, Scurry County	26	afternoon	?	?	0	0	?	?	2 Tornadoes, hail
Twin tornadoes, wind, and hail caused some damage in an area near the Scurry-Fisher County line. Two farm buildings were demolished and a trailer was heavily damaged on the Clyde South place at Camp Springs. Driving rains and marble-sized hail pelted Snyder.									
18 SW Rotan, Fisher County	26	afternoon	?	?	0	0	?	?	Tornado
A small tornado ripped through a farming community 18 miles southwest of Rotan, unroofing about a dozen buildings shortly before sundown. No injuries were reported.									
Abilene, Taylor County	28	7:00 a - 8:00 a	10	*1/2	0	0	?	0	Wind, hail, funnel aloft
Wind and small hail lashed Abilene with the heaviest damage concentrated in a commercial area east of Abilene. Wind flattened a frame building, overturned a trailer house, and ripped off part of a warehouse roof. Occupants of the trailer were not injured. One funnel aloft was observed, but was not known to have touched ground. Wind speed reached 53 mph at Dyess AFB, and hail was one inch in diameter. At Municipal Airport, hail was only 1/3 inch in diameter.									

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (Cont'd) Dallas Dallas County	28	10:00 a- 8:00 p	?	?	0	0	5	0	Lightning, flooding, hail
<p>An eastward-moving squall line, accompanied by severe thunderstorms, strong winds, and torrential showers, passed through Dallas shortly before noon resulting in limited wind and lightning damage as well as considerable flash flooding. Hail was reported in suburban Richardson, Farmers Branch, and Carrollton. At Dallas Love Field, the Weather Bureau station reported wind gusts of 63 mph from NW at 11:21 a.m.; total precipitation was 2.39 inches. Up to 1 1/2 inches of rain were reported from parts of the city. Lightning caused a \$70,000 fire, destroying the Greenhill school building in the northern section of Dallas County. Flood damage was estimated at \$60,000; and hail damage at \$10,000.</p>									
Fort Worth Tarrant County	28	10:45 a	?	?	0	4	6	0	Wind
<p>Strong thunderstorm winds damaged roofs, signs, and trees from far southwest Fort Worth to the North Side area. The wind at Meacham Field as reported at 10:55 a.m. was south 60 knots with gusts to 70 knots, but one employee at the Flight Service Station reported a peak gust of 85 knots (98 mph) at the height of the storm. Four persons were injured directly by the storm. One person was injured when the Blue Mound fire hall collapsed; another was injured when the wall of a store fell on the car in which he was in. Two persons were injured when a sheet metal building fell around then at 2710 N. Houston Street. Most serious damage to property was to Ridgmar Plaza Apartments, where a roof was blown off and dropped into a swimming pool. Some of the other debris blasted into the new Imperial Terrace Apartments at 2301 Ridgmar Plaza. Total property damage was estimated at more than \$500,000, but would not reach \$1 million.</p>									
Anna Collin County	28	12:30 p	1	*1/2	0	0	3	0	Tornado
<p>A small tornado dipped down on the Louis Higgins farm on the northern edge of Anna shortly after noon, partially demolishing a barn and doing considerable damage to his home. Higgins, who was at home at the time, narrowly escaped injury when a post from the barn was blown through the side of his brick home, damaging a bed and coming to rest in a hallway. The post was eight inches in diameter. Several trees were uprooted by the storm. Property damage was estimated at \$3,000.</p>									
Weatherford Parker County	28	1:00 p- 1:30 p	?	?	0	0	4	?	Rain, hail, wind
<p>Hail, up to one-half inch in diameter, resulted in \$10,000 property loss in Weatherford. Winds estimated at 50 mph blew down trees, and a few outbuildings. Rainfall measured 2.63 inches. Damage to County roads from washing was estimated at \$15,000.</p>									
Pittsburg Camp County	28	3:00 p	?	?	0	0	?	?	Tornado, wind
<p>A small tornado touched ground on Prinedale Country Club near Pittsburg. The tornado leveled giant trees, took the tops out of others, and damaged a barn and uprooted another big tree on a nearby farm. In Pittsburg, strong winds blew down several large trees and damaged roofs. The Smith Bait Farm building on Quithan Street was blown several hundred yards and completely demolished. 1 to 5 inches of rain accompanied the storm.</p>									
Roscoe Nolan County	28	3:30 p	?	?	0	1	0	?	Lightning, wind, hail
<p>One woman was injured when lightning struck her home near Roscoe, knocking her to the floor. High winds accompanying the storm overturned a house trailer in Roscoe, and caused minor damage to roofs. Extensive damage was reported on Oak Creek Lake where some buildings were unroofed and several small boats sunk. Many houses in Avenger Village near Sweetwater were damaged. A high wind ripped off the roof of a sheet metal shed and damaged several cars at a motor company on West Broadway in Sweetwater.</p>									
3 SW Boerne Kendall County	28	afternoon	?	?	0	0	?	?	Tornado, hail
<p>A small tornado touched ground on a ranch about 3 miles southwest of Boerne and tore out some newly constructed rabbit hutches and twisted off a few trees. Witnesses reported a "terrible roaring noise" with the storm. Heavy hail fell in South Boerne causing slight damage to roofs and lawns and considerable damage to gardens. Some hailstones were the size of golf balls, and hail completely covered the ground.</p>									
Burnet, Williamson Counties	28	afternoon	15	*6	0	0	?	?	Hail
<p>Golf ball size hail caused 50 to 100% damage to crops in a 6 x 15 mile strip from Bridge in Burnet County to Jarrell in Williamson County.</p>									
Killeen Bell County	28	8:30 p- 8:45 p	1/2	500	0	3	4	0	Tornado
<p>A small tornado raked the southwest part of Killeen, injuring 3 persons and causing \$15,000 damage. At least 10 residences, several stores, and a number of automobiles were damaged. Most extensively damaged was the home of Frank Glad, 514 Evergreen Street. Two children in the home were injured by flying glass. The third person injured lived at 819 Evergreen. All injuries were minor.</p>									
Bandera County	28		?	?	0	0	?	?	Rain, hail
<p>Rain, up to 2.5 inches, and hail heavily damaged crops in scattered areas of Bandera County. Hardest hit was the Pipe Creek area. Damage ranged from 50 to 100 per cent loss on several farms. Hail deposits remained three feet deep near fences and highway bridges in the Pipe Creek area late the next day. Largest hailstones were golf ball size.</p>									
TEXAS (Cont'd) Giddings Lee County	29	5:10 p- 5:30 p	18	*2	0	0	?	?	Hail, wind
<p>The Giddings area was hit by a hail and wind storm which uprooted trees, damaged windows, and neon signs, and knocked out most of the telephone service. Many of the spring garden crops were beaten into the ground by the hail. Winds were estimated at 80 mph. Damage to corn and milo was estimated at 25%, and damage to pear and cotton crops, at 50%. Several thousand dollars damage occurred to roofs and windows. Average hailstones were 1 1/2 inch in diameter with largest stones 1 1/2 inches in diameter.</p>									
La Grange Fayette County	29	5:30 p- 6:30 p	12	*1/2	0	0	?	?	Hail, wind
<p>A short-lived hail, rain, and windstorm caused a variety of property damage as it blew across the northeastern and eastern parts of Fayette County. Hardest hit were the Willow Springs and Round Top communities. Hail the size of golf balls and larger stripped trees, broke out window panes and destroyed spring gardens and field crops. Aluminum roofs of a number of poultry houses had holes knocked into them by the huge stones. Average size of hailstones was 1 to 1 1/2 inches in diameter. At the Allbrecht farm 75% or more of the fruit were knocked off the peach trees.</p>									
Atascosa County	29	11:30 p	10	?	0	0	?	?	Hail, wind
<p>A severe wind and hailstorm struck in Atascosa County about 1/2 miles west from Jourdanton. The storm cut a path several miles wide and about ten miles long. All crops in the area were completely destroyed, several calves, 55 sows and hogs were killed by the hail, and 13 utility poles were blown down by the wind. Seven inches of rain was recorded by one farmer in the area. The hail broke windows and beat off shingles and siding on several homes, and the wind blew down several sheds and barns.</p>									
Bee and Karnes Counties	29	night	?	?	0	0	?	?	Rain, wind, hail
<p>Rain, wind, and hail caused considerable damage to property and crops along the Bee-Karnes County line, south of Kenedy, and around six miles north of Petrus. Some crops in Bee County suffered 100 per cent damage, and less. This applied to flax, grain sorghums, and cotton. Four and five-inch rains were reported along the county line. At Kenedy, two-thirds of the roof of a warehouse was torn off by the wind.</p>									
UTAH VEDDERT Franklin County	1-4				0	0	4	0	Floods, floating ice
<p>Increasing number of roads near rivers and streams were under water and a few of them were closed to traffic as rains and snow-melt caused rivers to spill their banks. In addition to losses resulting from flooded cellars and basements, considerable damage was done to a number of homes when struck by floating ice.</p>									
Statewide	4-5				0	0	4	0	Wind
<p>Winds gusting to 65 m.p.h. did widespread damage that included downed trees and wires, broken windows, TV antennas and signs. At least three cars were damaged by falling trees. Power and phone services were interrupted for varying periods of time.</p>									
Statewide	20				0	0	4	0	Wind
<p>Strong winds and gales caused local, mostly minor damage in many parts of the state.</p>									
U.S. VIRGIN IS.									None reported
VIRGINIA									None reported
WASHINGTON									None reported
WEST VIRGINIA Berkeley Springs, Morgan County	20	2:55 - 3:05 A.M.	1/4	25	0	0	4		Wind
<p>During the passage of a squall line with strong gusty winds principally in the North of the State, Berkeley Springs suffered severe damage. A reliable witness stated that following a calm there was a sudden tremor and a sound similar to that made by a jet plane with the duration of but seconds. The wind lasted about ten minutes; no funnel was visible and the storm moved in a block appearing much as a dust storm. It was generally cloudy and, of course dark. Only a few drops of rain fell. Trees were twisted and some fell. Damages other than trees and wires were the removal of much of roofs and structures of two buildings and falling debris damaging a truck and the numerous other items.</p>									
WISCONSIN St. Croix Falls	1	4 PM					5		Hail
<p>Hail, golf ball size, fell on St. Croix Falls from southern city boundary to 1 mile north of city. Damage to windows, roofs, and cars. Smaller and less damaging hail fell on several other Polk County communities.</p>									
State	3						5		Wind
<p>Strong gusty winds, particularly in eastern half of state. Property and tree damage.</p>									
East Central Counties	18	late evening					4		Wind
<p>Squall line crossed over area resulting in property and tree damage.</p>									

See reference notes at end of table.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
WYOMING			None	reported					
ILLINOIS									
Northern Illinois	3	Afternoon			0	9	4	0	Wind
Cook County	17	3-3:30p					?	?	Hail
Iroquois and Vermilion Counties	17	4:30p					2	?	Hail
Adams County	17	5p					?	?	Hail
Kankakee County	17	3:55p - 4:50p	30	130	1	50	6	?	Tornado, hail, heavy rain
Henderson, Mercer, Warren, Knox and Henry Counties	18	5-6p	?	?	0	0	4	?	Tornado, wind, hail, rain
Lawrence County	19	2:50p	8	250	0	10	5	?	Tornado
McHenry County	20	5:45p	short	narrow	0	0	5	0	Tornado
Sangamon and Macon Counties	22	5:30p	10	narrow	1	5	5	0	Tornado, hail
Piatt and Champaign Counties	22	6-6:55p	35	50-200	0	5	5	0	Tornado
ILLINOIS (Cont'd)									
Douglas and Edgar Counties	22	6:30-7:20p	40	220-1600	0	40	6	0	Tornado
Hoopeston	22	6:18p					4	0	Wind, rain
Over state	29	5-8p					5	0	Wind, lightning, funnel clouds, hail

Although witnesses show some disagreement as to exact time, it seems most likely that funnel cloud was first sighted just west of Tuscola about 6:30 p.m. It passed over Tuscola but close enough to ground to be characterized as "a spinning white plate about two blocks wide". TV antennas, chimneys and some plate glass was damaged but funnel was not seen to touch ground until it reached east edge of town. Average speed was indicated as about 50 mph. Main path of damage was almost on direct west-east line from Tuscola to Indiana line along U. S. 36. Damage occurred at times on both sides of highway and occasionally only on one side. Path was seldom more than a mile either north or south of highway. The exact width of path was difficult to determine since in this predominately farm area houses and trees were often 1/2 to 1 mile apart across open fields. It was too early in season to be able to trace damage through crops. Complete destruction of north-south lines of utility poles south of Camargo, and also east of Hurdock, indicated path widths of at least 1000 and 1400 yards respectively. At other times, through hedge just west of Cherry Point, path was only about 200 yards wide. Reports of simultaneous sighting of more than one funnel cloud indicates that more than one tornado touched ground at same time or that damage was occurring only on outside edges of a major tornado.

Trees, plate glass windows and utility lines were damaged as winds reached an unofficial 68 miles per hour. Greatest damage was to building contents as rain poured through broken windows.

Strong winds, lightning and hail accompanied heavy thunderstorms in widely separated areas over state. Direct damage was generally limited to farm out-buildings, trees, and utility lines. Houses were damaged by lightning or falling trees or limbs. Hail damaged some wheat fields. Funnel clouds aloft were sighted in Champaign County and over Gibson City. A semi-trailer truck was blown over in Kane County and a small aircraft T-hanger in Kendall County, Champaign, DuPage, Clinton and Williamson were other counties reporting heavy damage.

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

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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