

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

STORM DATA

APRIL 1964

Volume 6 No. 4



ASHEVILLE: 1964

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
Ararat Community, Choctaw County	6	Morning	?	?	0	0	4		Tornado
One house demolished and several damaged.									
North and Central Alabama	6,7,8				0	0	6	5	Rain
Heavy rains totaling more than ten inches in spots caused local and flash flooding over much of North and Central Alabama. Numerous houses damaged in Choctaw, Marengo and Autauga Counties. Extensive damage to county roads and bridges.									
Longview, Vinemont Communities, Cullman County	7	8:30a	3	50	0	0	5		Tornado
Tornado struck first in Longview Community damaging a store and church and demolishing several large chicken houses and barns. Tornado skipped east-northeast damaging three houses, several out-buildings and demolishing one house north of Vinemont. Trees uprooted and utility lines and poles down.									
Arab, Marshall County	7	Morning	short	narrow	0	0	4		Tornado
Tornado dipped down unroofing large cafe and service station.									
Guntersville, Marshall County	7	Morning			0	0	4		Wind
High winds damaged roofs of several houses, knocked down utility lines, broke windows, and uprooted trees.									
Painter, Oak Hill Communities, Dekalb County	7	9:10a	4	?	0	1	5		Tornado
Tornado first hit in the Painter Community then moved east-northeast through the Oak Hill Community. One house damaged, several large chicken houses and barns destroyed or damaged.									
Lathanville, Crossville Communities, Dekalb County	7	10:00a	3	?	0	0	4	0	Tornado
Tornado struck Lathanville damaging several houses then moved east-northeast to the Crossville Community damaging or destroying several chicken houses and farm buildings.									
Blanche, Rhinehart Communities, Cherokee County	7	Morning	5	?	0	0	4	0	Tornado
Tornado struck in Blanche Community severely damaging one house and four farm buildings. It then moved east-northeast through wooded area to Rhinehart Community unroofing two houses and damaging several farm buildings along the way.									
Newton, Dale County	7	2:30p-3:00p							Funnel Cloud
Funnel cloud reported moving northeast.									
Guntersville, Marshall County	7	3:18p							Funnel Cloud
Pilot reported funnel aloft.									
Brownville Community, Tuscaloosa County	13	7:00a			1				Electrical
Apparently hit by lightning while standing in front door of home.									
Cullman, Jefferson, Limestone, Madison, Morgan, Walker Counties	13	Morning					5	4	Rain
Heavy rains of more than three inches in a short period of time caused local and flash flooding in scattered areas of these Counties. Numerous buildings and homes flooded. Roads and bridges washed out.									
Gainesville, Sumter County	13	Afternoon			1	0			Electrical
Struck by lightning while digging grave under tree in a cemetery.									
Madison, Madison County	23	3:30p							Funnel
Funnel aloft observed by public.									
Flint, Morgan County	23	3:30p			0	0	4		Winds
High winds associated with a thunderstorm caused scattered damage. A service station at Flint was unroofed and giant trees uprooted.									
South Alabama	26-27	Night			0	3	5	5	Rain, wind
Torrential rains damaged crops and brought flash and local flooding over southern half of State. Rainfall totaled more than nine inches in some areas. Roads and bridges washed out in many areas. High winds caused scattered damage. In Mobile County near Irvington a house was demolished and 3 persons injured by winds estimated at 100 mph. All crop damage due to rain. 75% of property damage due to rain and 25% to wind.									
Irvington, Theodore, St. Elmo Communities	27	12:40a			0	0	3	4	Hail
Hail up to one inch in diameter destroyed all truck crops in area.									
Madison County	28	12:45p					2	2	Hail
Hail up to one inch in diameter fell in Madison and Jones Valley. Damage negligible due to small amount.									
Ashville, Regland Communities, St. Clair County	28	3:10p	?	?	0	0	4		Tornado
Several houses and farm buildings unroofed or damaged in area between Ashville and Regland.									
Lincoln, Talladega County	28	3:30p	short	narrow	0	1	4		Tornado
Tornado dipped down briefly destroying most of a motel. One person injured by flying debris.									
Marion Junction, Dallas County	28	3:30p			0	0	4	4	Hail
Hail up to two inches in diameter fell briefly, broke a few windows and stripped some trees.									
Alexandria Community, Calhoun County	28	3:45p	5	7	0	0	4		Tornado
Tornado hit on Onatchee Road west of Alexandria and moved east across Highway 431, north of Alexandria. About 15 houses and a cafe damaged.									
Fruithurst and Muscadine Communities, Cleburne County	28	5:00p	4	?	0	5	4		Tornado
One house and store destroyed and several houses damaged at Fruithurst. One person injured in overturned trailer at Muscadine as tornado moved east.									
ALABAMA (Cont'd)									
Clanton, Chilton County	28	4:00p			0	0	4	5	Hail
Golf ball size hail covered ground over a large area. Considerable damage to peach trees and crops. Some damage to roofs, windows and automobiles.									
Curtown Community, Tallapoosa County	28	5:40p	12	?	0	0	4		Tornado
Tornado dipped down in Curtown area with little damage and apparently skipped east-southeast across Lake Martin blowing down a transmission tower near Martin Dam. Funnel aloft reported near Union School which is about 12 miles from Curtown.									
Sandy Ridge, Flatwood Communities, Lowndes County	28	6:30p	6	?	0	0	5		Tornado
Damage began about 5 miles northeast of Fort Deposit; storm moved east-southeast across U.S. 31 in Sandy Ridge area and on to the Flatwood Community. Church at Flatwood demolished, several houses severely damaged and considerable timber destroyed.									
ALASKA									
No report received by printing deadline									
ARIZONA									
Tuma	28	6:00 p.			0	0	0	2	Hail
Hailstones of estimated size 1-1/2 inches caused minor crop damage									
Somerton (near)	28	6:00 p.			0	0	0	0	Funnel cloud
Funnel cloud sighted by pilot. Cloud remained aloft.									
ARKANSAS									
Port Smith, Sebastian County	3	11:00 a. to 3:00 p.	?	?	0	0	6	0	Rain
Excessive precipitation of 4.50 inches in 3 hours was only 0.17 inch less than storm of June 9, 1948 at Weather Bureau Airport Station. Flash flooding resulted in damage in Port Smith, northern Sebastian and extreme northern Crawford Counties.									
Ozark area, Franklin County	3	12 Noon to 6:00 p.	25	* 15	0	2	5	4	Tornado, hail, rain & lightning
Thunderstorms moved northeast affecting northern two-thirds of county. 1/2 inch hail between 12 noon and 1:00 P.M. in Ozark area. Major portion of damage due to heavy rain; 30 cattle lost, bridges, roads and fences damaged. Two men injured by lightning 2 miles east of Ozark. Tornado at Gravens, 7 miles northwest of Ozark.									
Yellville area, Marion County	3	7:00 p. to 7:30 p.	17	* 1/2	0	0	4	0	Wind
Thunderstorms with southeast winds with gusts estimated 55-70 miles per hour damaged property in the Yellville, Phippin and Bull Shoals area.									
Russellville, Pope County	3	5:00 p. to 6:00 p.	20	* 8	0	0	5	0	Wind and hail
Thunderstorms moved northeast along a line from London to Appleton. Average diameter of hail 1 inch with largest hail 2 inches in diameter. Cattle were killed and hail went through some roofs.									
Hattiesville area, Conway County	3	5:30 p. to 6:20 p.	5	* 2	0	0	4	0	Wind, hail and rain
Thunderstorm with 3/4 inch in diameter hail, some golf ball size, caused property damage in the Hattiesville - Old Hickory area. Rain damaged roads and bridges.									
Cabot area, Lenoce County	3	10:25 p.	?	?	0	0	0	0	Hail
1" diameter hail reported 10 miles northeast of Little Rock Air Force Base with only minor damage.									
Melbourne area, Izard County	5	10:16 p. to 10:50 p.	1 1/2	35	0	0	4	0	Tornado
Tornado moved northeast from Lafferty, 10 miles southeast of Melbourne.									
Wilson area, Mississippi County	12	1:30 a.	?	?	0	0	3	0	Tornado
Tornado affected east part of Wilson with only minor property damage.									
Gravette area, Benton County	12	6:30 p. to 7:30 p.	20	* 4	0	0	4	0	Wind
Thunderstorms moved northeast from Mayville area, 10 miles west of Gravette.									
Van Buren area, Crawford County	12	8:00 p.	Short	?	0	0	3	0	Tornado
Tornado 5 miles east of Van Buren at Catcher. Small property damage.									

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
ARKANSAS (Cont'd)									
Batesville area, Independence County	12	Night	7	?	0	0	4	0	Wind
			Possible tornado moved along southeast part of Batesville wrecking a baseball park grandstand.						
Arkadelphia, Clark County	12	10:15 p. to 10:45 p.	1/2	* 1/2	0	0	5	0	Tornado
			Two tornadoes moved east; one over the south part of the city and the other over the north part of the city. A boat factory in the east part of the city was damaged the most severely. Residents heard a roaring sound and damage indicated tornado activity.						
Hot Springs, Garland County	12	10:00 p. to 2:00 a.	?	?	0	0	2	0	Wind and hail
			Thunderstorms moved northeast. Airport reported wind gusts of 58 mph. Hail 3/4 inch in diameter also fell over the area.						
Newport area, Jackson County	12	11:20 p.	?	?	0	0	4	0	Tornado
			Tornado struck the Peacock Poultry Plant about 18 miles southeast of Newport. One damaged building had been hit by a tornado of Marbh, 1961.						
Walnut Ridge, Lawrence County	12	11:20 p.	?	?	0	0	?	0	Wind
			Thunderstorm produced wind gusts to 70 mph at the airport.						
Texarkana, Miller County	21	2:00 p.	?	?	0	1	?	0	Lightning
			Man injured by lightning in his home.						
Texarkana, Miller County	24	7:00 a. to 9:00 a.	4	* 1 1/2	0	0	4	0	Rain
			Heavy rain caused flash flooding in low areas of Texarkana. 2.65 inches fell between 7:00 A.M. and 9:00 A.M.						
Magnolia area, Columbia County	24	7:30 a. to 11:00 a.	10	* 10	0	0	5	0	Rain
			Thunderstorms moved northeast. An estimated 4 to 4 1/2 inches of rains fell in Magnolia, in 3 hours to flood all streets and low areas. Water ran off in one hour. County roads received major portion of damage.						
El Dorado area, Union County	24	8:45 a. to 11:00 a.	3	* 2 1/2	0	1	5	0	Rain
			Six block area of downtown El Dorado experienced flash flooding as a result of 5 inches of rain in less than 3 hours. Thirty minute rain was greatest in several years. Man injured by falling glass from a skylight as a result of the rain.						
Crossett, Ashley County	24	9:30 a. to 1:30 p.	?	?	0	0	3	0	Rain
			Low sections of city hit by flash flood as a result of 3.75 inches of rain in one hour.						
Dierks area, Howard County	26	Evening	?	?	0	0	?	0	Tornado
			Tornado reported at Empire, 11 miles north of Dierks. Several houses damaged.						
CALIFORNIA									
Mojave Desert	5				0	4	5	0	Strong wind
			Sand and dust raised by wind reduced visibility to zero and closed highways for several hours. Paint and glass of cars and homes were sandblasted. Power lines were downed; stingles were blown from roofs; a parked plane was overturned at Palm Springs Airport.						
North of Fresno	23								Funnel cloud
			A funnel cloud north of Fresno was reported on the airway sequence						
Napa Valley	22-24				0	0	6	0	Freezing temps.
			Extensive damage to grapes, prunes, pears and walnuts as a result of low temperatures; protective measures were only partially effective.						
COLORADO									
Washington County	1	5:11P			0	0			Funnel cloud
			A pilot reported a funnel cloud 20 miles north of Thurman.						
Eastern Colorado	12	All day			0	0	* 5	C	Wind
			Strong gusty wind beginning before sunrise, blew most of the day over much of the area east of the Continental Divide. Wind gusts estimated to be 60MPH or higher caused widespread damage to buildings, power lines and emerging crops. Blowing dust closed roads at some plains locations.						
Elbert County	20	10:50AM			0	0			Funnel cloud
			A funnel cloud was reported 10 miles north and 7 miles west of Limon - went back up into clouds.						
COLORADO (Cont'd)									
Eastern Colorado	26-27	Day			0	0	* 5	C	Wind
			Strong winds east of the Continental Divide again caused damage to buildings, trees, power lines and crops. Gusts in the 50-60 MPH range were reported in several areas. Up to 75% damage to beets was reported in some areas and other spring crops were damaged. Blowing dust made driving hazardous in several plains areas, and blowing snow along the Continental Divide impeded traffic on the mountain passes.						
CONNECTICUT									
Bridgeport, Norwalk Fairfield County	3	2:40 p.			0	0	0	0	Waterspouts
			Pilot reported three waterspouts over Long Island Sound between Norwalk and Bridgeport.						
DELAWARE									
None reported									
FLORIDA									
Fort Lauderdale Broward Co.	15	3:25 pm							Funnel Cloud
Miami Dade Co.	16	7:45 am							Funnel Cloud
West Palm Beach Palm Beach Co.	19	6:50 pm							Funnel Cloud
Tallahassee Leon Co.	24	Afternoon							Funnel Cloud
Panacea Wakulla Co.	25	3:45 pm	1/2	Narrow	0	2	5		Tornado
			Tornado lowered from cloud over Gulf of Mexico, moved northward to shore, damaged one storage building and nine residences.						
West Florida Escambia, Santa Rosa, Okaloosa, Walton, Holmes and Washington Counties	26 and 27						6	C	Rain, Flood and Wind
			Heavy rains throughout area with 24-hour amounts up to 8 inches caused considerable flooding. Numerous roads made impassable by flood waters and many schools closed on 27th because of impassable roads. Excess water caused considerable erosion in cultivated fields. Reports indicate considerable crop replanting required because of flooding and erosion. High winds accompanying rains caused considerable damage to buildings and tobacco shades. Some hail reported at scattered points in area.						
Molino Escambia Co.	27	4:30 am	Short	Narrow					Tornado
			Tornado touched down in forested area, uprooting numerous trees.						
Zellwood Orange Co.	28	12:40 pm	Short	Narrow			5		Tornado
			Tornado dipped down and destroyed large produce packing house.						
Castleberry Orange Co.	28	1:45 pm							Funnel Cloud
GEORGIA									
North and Central	2-8				3	0	6	5	Heavy Rains
			Heavy rains over a period of several days caused extensive damage to roads, bridges, streets and farm lands. Rapidly rising streams forced families from their homes along the Chattahoochee, Ocmulgee, Flint, and Savannah rivers and along many smaller streams. Numerous bridges were washed out and many roads, including major highways, were closed. Hundreds of acres of farmland were flooded. Three people were drowned in Lee County when their wagon was swept from the road.						
Floyd County	6	Morning			0	0	4	0	Wind and Rain
			One building was demolished and several others damaged in Rome and Floyd County. Rome WBAS recorded 60 mph winds.						
Hampton, Henry County	7	2:00 p	1/2	200	0	0	4	0	Wind and Rain
			Winds partially unroofed restaurant, damaged other property and uprooted trees. Roads were damaged and several bridges washed out by rains and swollen streams.						
Walton County, Near Monroe	7	2:30 p	Short	Narrow	0	0	4	0	Tornado
			Storm hit 3 miles southwest of Monroe and touched down again 3 miles south of Monroe. Two buildings demolished and three residences damaged. Numerous trees blown down or twisted off. Storm moved eastward.						
Walton County	7	6:00 p							Funnel Cloud
			Funnel cloud observed 7 miles NW of Monroe, moving eastnortheast.						
Atkinson County	8	Afternoon	?	?	0	0	4	0	Tornado
			Storm touched down briefly several times as it moved across northern part of county from west to east. One residence demolished and several others damaged. Tobacco barns and other farm buildings destroyed and much timber blown down.						
North	23	Evening			0	0	4	0	Wind and Electrical
			Severe thunderstorms with damaging winds hit several north Georgia communities during early evening. Hardest hit were Cedartown, Gainesville, the Atlanta area and Cobb and Whitfield counties. Roofs were damaged, trees were uprooted with many falling on houses and automobiles, plate glass windows were blown out and hundreds of						

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
GEORGIA (Cont'd)									
North (Cont'd)									
Terrell County	27	Morning	Short	Narrow	0	0	4	0	Tornado
									TV antennas were blown over. A 10,000 capacity broiler house was demolished in Cobb County and about 1500 broilers were killed. Electric service was disrupted in many areas.
Colquitt County	27	9:00 a	Short	Narrow	0	0	4	4	Tornado and Hail
									Storm moved from southeast to northeast across northwestern part of county, touching down at several places. Roofs were torn from several houses and a number of farm buildings were destroyed. Hail caused crop damage in several areas.
Hawkinsville, Pulaski County	27	9:25 a	?	?	0	0	5	0	Tornado
									Storm caused extensive damage in the business section of Hawkinsville, although it apparently never quite reached the ground. Funnel was observed about 50 feet above surface as storm moved through town from southwest to northeast.
Crisp County Near Hatley	28	4:00 a	2	?	0	0	3	3	Hail
									Some stones up to 2 inches in diameter. Only minor damage.
North West	28	5-6 p			0	0	4	3	Wind and Hail
									Strong winds caused damage to buildings, trees and utility lines in several communities, including Jasper, Canton and the Ross area. The roofs of two stores were partially blown off in Jasper and heavy rains caused additional damage to merchandise. A number of automobiles were demolished by falling trees. Hail caused minor damage to gardens and trees in Floyd County and at Blue Ridge in Fannin County.
Harrison County	28	6:00 p	10	Narrow	0	2	4	0	Tornado
									Storm moved into State from Alabama and caused damage at scattered points from the State Line to Bremen. A drive-in was heavily damaged at Tallapoosa and an attendant was injured slightly by flying glass. The roof was ripped from a building at Bremen, other buildings were damaged and trees were uprooted. One person suffered minor injuries when a house trailer overturned. The storm moved eastward.
Oconee County	28	8:00 p							Funnel Cloud
HAWAII Honolulu	4	6:30 p.							Funnel cloud
									Funnel cloud 15 mi. SE of Airport.
	15	6:12 p.							Funnel cloud
									Aircraft pilot reported funnel cloud 10 mi. NNW of Airport.
IDAHO Murtaugh (near)	23	5:30 a.			1	14			Snow
									Westbound bus on U.S. 30 near Murtaugh swerved to avoid car stalled in snowstorm, was struck by eastbound car and then by an eastbound truck. One woman killed and 14 injured, including driver of truck.
ILLINOIS									See data at end of table
INDIANA New Castle (Henry County)	3	4:20 a.			0	0	3	0	Wind
									Some buildings damaged and three trailers upset.
Eaton (Delaware County)	14	5:30 p.	very small	very small	0	0	3	0	Tornado
									A "baby tornado" was observed tossing a large mobile home and truck into a ditch on Indiana Road 3, twelve miles north of Muncie. The tornado moved on southeastward without doing additional damage. Heavy rain and hail followed.
Evansville (Vanderburg County)	19	3:07 p.			0	1	3		Hail, lightning
									Hail up to 2 inches diameter was reported. One person was jolted by lightning.
Indianapolis, 20 miles Northeast	21	10:30 p.							Funnel cloud
Spearsville (Brown County)	27	10:30 p.	very small	very small	0	0			Tornado
									Damaged some roofs and uprooted some trees.
Ogden Dunes (Porter County)	28	2:15 p.							Funnel cloud
									Reported south of Ogden Dunes by town marshal.
Nappanee (Kosciusky and Elkhart Counties)	28	2:15 to 2:40 p.	4	100	0	2	5	0	Tornado
									This tornado formed and touched ground first on a farm southeast of Nappanee demolishing a shed and unroofing a barn. It then moved to the east edge of Nappanee where a drive-in restaurant was unroofed. On the other side of U. S. Road 6 all the windows were blown out of a laundry, and several other buildings were damaged. The twister continued north following Springside Drive where it tore roofing and siding from several homes. The tornado again touched down a
INDIANA (Cont'd)									
Nappanee (Cont'd)									
									mile north of the City where only the center of a house was left standing. Two people in this house were injured. One mile farther north the roof of a barn was torn off and trees were uprooted. Final dip to the ground may have been 2 1/2 miles north of Nappanee along Indiana road 19 where the front windows of a building were drawn out. Police estimated all losses at \$200,000.
Elwood (Madison County)	28	2:20 p.			50	0	0		Tornado
									Tornado was seen by many Elwood residents as it passed west of the city and touched down just north of Indiana Road 28. A farmer saw his barn practically explode as the twister hit. At another farm a barn was flattened. Three other farms had buildings or houses damaged by the northward travelling tornado.
IOWA Audubon	2	3:20 a						4	Lightning
Lee and Des Moines Counties	6	6:00 p						5	Windstorm
									Winds to 60 knots.
Muscatine	6	7:50 p						4	Lightning
Davenport	8	3:00 p				1	4		Windstorm
Yorktown, Page County	12	4:45 p	15	400	1	28	6		Tornado
									Moved NE from Coin through Yorktown across Highway #2. Losses estimated at \$2,000,000.
5 SE Stanton, Montgomery County	12	4:50 p	2	3000			4		Tornado
10 SE Des Moines	12	5:26 p							Funnel
SE of Massena, Cass County	12	5:30 p	2	200			4		Tornado
									Moved northeast.
SW of Kent, Union County	12	5:30 p	8	200			5		Tornado
									Moved northeast. Extensive property losses.
Kent, Union County	12	5:30 p					4		Hail
									Hail diameter 1 1/2 inches.
S and E Iowa	12	5:30 p					6		Windstorms
Cass-Adair Counties	12	5:30 p					5		Hail
Dexter, Madison County	12	6:00 p							Funnel
Anita-Atlantic		Late 12-13					4		Flooding
Iowa	13	During day					41	6	Windstorm
									Statewide high winds, gusts to 75 mph., 2 school buses with children overturned at LeMars at 8 a.m.
Waukon	17	10:30 a				1			Lightning
Adair	19	p.m.					4		Windstorm
E of Corning	20	1:00 a					4		Windstorm
Ottumwa	20	7:48 a					4		Windstorm
									Winds gusting to 92 mph.
5 W of Shenandoah	20	9:40 p	3	300			4		Tornado
									Moved northeast.
Exira	20	9:45 p							Funnel
10 N of Shenandoah	20	10:00 p	12	350	1	5			Tornado
S of Atlantic-Wiota	20	10:30 p	8	350	1	4			Tornado
Shannon City area, Ringgold-Union Counties	26	7:10 p	5	300			4		Tornado
Farmington	26	11:00 p	2	200			4		Tornado
8 1/2 S of Clarion	26	11:30 p	5	300			4		Tornado
Cedar Rapids to Muscatine	27	11:30 a					5		Windstorm
KANSAS Montgomery County	2	3:50 a. to 4:00 a.					1		Locally severe wind
									Locally severe winds of almost tornadoic force struck in the southern part of county. Damage was reported from Tyro east through Coffeyville. A woman was injured when a trailer house was overturned.

See reference notes at end of table.

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KANSAS (Cont'd) Douglas and Johnson Counties	2	6:00 p. to 6:15 p.							Tornado and severe wind	
									Severe wind damage occurred first about 6 miles east of Lawrence along Highway K-10. About 6:15 p. a funnel dipped twice near the junction of Highways K-10 and K-F about 10 miles northwest of Olathe. Path was almost due east.	
Seigwick and Sumner Counties	3	4:20 p. to 5:00 p.							Tornado, funnel cloud, wind, hail	
									A small tornado touched ground 1 1/2 miles west of Derby (about 12 miles southeast of Wichita). Damage was done to a few buildings. Funnel was sighted as it dropped to earth. Path was to the east but short. Attending severe winds and hail up to golf ball size in the surrounding area also resulted in some damage. Hail and wind also caused damage in Wellington during the afternoon. A funnel cloud was sighted in the Clearwater-Peak area and some wind damage was reported.	
Southwest Kansas	3	About 9:00 p.							Electrical	
									Thunderstorms over southwest Kansas caused some damage in various locations. A grain elevator at Hanston was struck and electric service was interrupted at Liberal and several other localities.	
Montgomery County	3	11:00 p.							Severe winds	
									Considerable damage was done by high winds southwest of Coffeyville, buildings unroofed and moved off their foundations and trees broken and blown down.	
Jefferson County	8	Evening							Electrical	
									Lightning struck a house near Perry but with only minor damage. With little evidence of stormy conditions, the lightning flash was an unusual and alarming sight.	
Lafayette County	11	About 3:30 p.							Electrical	
									A severe lightning bolt caused damage at several homes in Oswego.	
(1) Shawnee, Douglas, Jefferson and Leavenworth Counties	12	3:30 p. to 4:30 p.			1	22	6	3	2 tornadoes, 2 funnels, hail and severe winds	
									Hailstones up to golf ball size fell in and around Topeka for 5 to 10 minutes beginning at 3:30 p. Approximately the same time a tornado struck ground about 4 miles southeast of Overbrook and traveled northeast about 20 miles crossing the Turnpike and the Kansas River about 4 or 5 miles northwest of Lawrence, after which it touched ground occasionally the next 4 or 5 miles, terminating near Tonganoxie. At 4:00 p. a tornado out a northeast path of about 8 miles from southwest of Leavenworth through the town and into Missouri. At least two additional funnel clouds were sighted. Damaging hail from marble to golf ball size driven by high winds were reported along these tornado paths. Some stones near Leavenworth were 3 inches in diameter. Some 1200 buildings in Leavenworth were damaged or destroyed.	
(2) Anderson, Franklin and Miami Counties	12	4:00 p. to 5:20 p.	17	880	3	9	5	4	1 tornado, hail and severe winds	
									This tornado struck first about 3 miles south of Welda, passed southeast of Garnett and raised near Greely. At the intersection of U. S. Highways 169 and 59, several automobiles and a large truck were hit, killing 3 persons and injuring 9 others. Hail covered the ground in several areas, and stones ranged in size from 1/4 inch to 2 1/2 inches in diameter. Hail and severe winds caused the chief damage in Franklin, Miami and southern Anderson counties.	
(3) Lafayette, Neosho, Crawford, and Bourbon Counties	12	5:00 p. to 6:00 p.	3	250				4	1 tornado, 2 funnel clouds, hail, damaging winds	
									The first tornado traveled northeast from 3 miles south and 1 mile east of Edna to 3 miles east of Edna. A number of farm buildings were damaged or destroyed. An electric line was broken at 5:10 p. Two attending funnels were sighted. Two persons were carried 200 feet in a car but without injury. There was also hail and wind damage in various parts of southern Lafayette County.	
		5:15 p. to 5:25 p.	4	75					1 tornado, 3 funnels, hail and wind	
									A second tornado struck several times, beginning about 3 1/2 miles northwest of Fort Scott. Several small funnels were reported to have blended and formed the tornado prior to its coming to the ground. Hailstones the size of baseballs and high winds caused damage in the northeast part of Crawford County. Damage continued into Missouri.	
KANSAS (Cont'd) Brown County	12	9:15 p. to 10:00 p.	25	#3			6	5	4	Hail and wind
										This storm started about 9:15 p. with heavy wind and rain and was centered around Hiawatha. Hail later developed and continued for about 20 minutes. Path was southwest to northeast. Stones averaged about 1 inch in diameter. Ground was covered from 6 to 11 inches deep. Roofs, windows, signs, slings and automobiles were badly damaged. Winds were estimated at 50-75 mph. Interiors were damaged by rain through broken windows and damaged roofs. Injuries resulted from flying broken glass.
Ellis County	13	Afternoon						3		High winds
										A trailer house pulled by a truck was blown from the roadway south of Hays by a strong gust of wind.
Ellsworth County	13	3:10 p.								Tornado
										Tornado reported by public 30 miles west-southwest of Salina.
Wabaunsee County	13	4:20 p.								Small tornado
										A small tornado momentarily dipped in the northeast part of Harkridge and destroyed an almost completed new barn.
Lyon County	13	5:30 p.						1		Wind gust
										A gust of wind toppled a semi-trailer truck from the Kansas Turnpike at the Emporia interchange. The driver was injured.
Central Kansas	16	Late afternoon								Electrical and high winds
										A thunderstorm produced numerous damaging lightning strikes in the Pawnee-Kiowa-Rice-Russell county area. High winds caused some damage southeast of Kingman.
Johnson County	18	5:30 p.								Hail
										Hailstones 3/4 inch in diameter were reported near Olathe.
Rooks County	19	5:00 a.								Locally severe wind
										Violent winds from the southwest caused damages to buildings, trees, fences and fuel tanks along Lost Creek about 5 miles north of Burich.
Meade County	19	Morning								Hail
										Heavy hail damage was done to roofs and neon signs in Fowler.
Osage, Franklin, Miami and Johnson Counties	19	10:00 a. to 11:00 a.								Hail and electric
										As a thunderstorm progressed east and north from Osage County local hail and lightning damage occurred. Roofs were damaged and crops beaten into the ground. Largest stones were marble to golf ball size and heaviest falls were from north of Ottawa to Wellsville and near Spring Hill and Stilwell. Several damages from lightning were reported.
Marshall County	19	12:35 p.								Hail
										Golf ball sized hail covered the ground in and near Marysville.
Meade, Finney, Ford Counties	19	Afternoon								Hail
										Local hail damage occurred over these counties at various times in the afternoon. Northeast of Garden City hailstones were 1 1/2 inches in diameter.
Rush County	19	4:15 p.								Funnel cloud
										A funnel cloud appeared to be lowering northeast of McCracken but did not come to ground. It traveled northeast.
Hodgeman and Ness Counties	19	5:00 p.								Tornado and hail
										A tornado struck first about 15 miles northwest of Jetmore and damaged buildings on a number of farms. Path was apparently almost east. Hail up to size of baseballs broke windows and damaged roofs in northern Hodgeman and southeastern Ness County.
Rooks County	19	6:00 p.								Hail
										Much of Rooks County suffered from a beating hail storm. Little wind accompanied the storm. The storm lasted only a few minutes. Stones were unusually large, many were as large as baseballs and some of grapefruit size, 1 1/2 inches in circumference. Roofs, signs, windows and cars were damaged.
Rush County	19	7:00 p.								Tornado
										A tornado was visible, touching ground briefly southeast of Timpan. It moved northeast.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
KANSAS (Cont'd)										
Nebraska and Brown Counties	20	1:45 a.	24	*5	Sev-eral		4		Hail	
									For the second time within a week Elkharts was severely beaten by hail. Much of Brown County was affected. Many stones were from 1 1/2 to 2 1/2 inches in diameter and accumulated to a depth of 3 or 6 inches. Considerable wind accompanied the hail. Injuries resulted from flying glass.	
Miami and Johnson Counties	20	1:30 p. to 1:45 p.							Funnel, hail, electrical, and wind	
									A funnel cloud was observed northeast of Olathe. Lightning caused some damage in Olathe and also struck a church steeple at Mea. Hail resulted in some small damage.	
Saline County	20	4:20 p.							Hail	
									Hail 3/4 inch in diameter fell at Schilling Air Force Base.	
South Central Kansas	20	5:00 p. to 8:00 p.					5		Severe wind, possible funnel, hail and electric	
									Severe winds caused intermittent damage from Stafford and Pratt counties eastward through Chase and Butler counties. Five persons were injured east of Pratt when a wind gust blew one car in front of another. Roofs, signs, trees and utility lines were damaged in numerous places. Scattered hail damage occurred, especially south of Wichita where golf ball sized stones fell at Conway Springs and at Windom in McPherson County. Winds at El Dorado were gusting at 70 to 85 mph at times. Lightning also did some damage in Butler County. At Haysville and El Dorado loud roaring noises were heard from a possible funnel.	
North Central and Northeast Kansas	20	7:35 p. to 8:30 p.						4	2 funnel clouds and tornadic winds	
									Destructive winds of near tornadic violence at 7:35 p. caused damage along a 10-mile, 50-yard wide path from 6 miles northeast of Clay Center to almost the northeast corner of the county. No sighting of a funnel was reported but the debris and loud roar gave evidence of the near approach of a well developed funnel. At 7:50 p. a funnel was reported near Cawker City. Between 8:30 p. and 9:00 p. damaging winds struck near St. Marys in Wabunsee County.	
Northeast Kansas	20	9:00 p. to 10:30 p.					2	4	Severe winds, electrical, and 2 small tornadoes	
									Thunderstorm conditions over northeast Kansas from Shawnee County through Atchison and Doniphan counties resulted in local damage. Two women were injured by a broken limb in the west portion of Topeka. The screen of a drive-in movie at the south edge of Topeka was destroyed by a wind gust. Gusts of near 60 mph were recorded at the Topeka Airport Weather Bureau office. Lightning resulted in several minor damages. In Atchison County a tornado dipped down 2 miles east of Effingham at 9:45 p. destroying several farm buildings. About 10:00 p. another tornado struck a farm plant 1 1/2 miles east of Bandana in Doniphan County.	
Franklin and Miami Counties	20	10:00 p. to 11:00 p.							Severe winds, hail, and tornado	
									Intermittent severe wind damage occurred from near Princeton in south central Franklin County northeastward and across Miami County. There was also occasional hail damage. At 10:40 p. a tornado touched down 6 1/2 miles northwest of Louisburg for only a short distance. Buildings on one farm were leveled.	
Southern Allen County	20	11:00 p.	5					1	Tornado	
									A tornado caused damage to at least 7 farms about 9 miles south-east of Humboldt. The path was from southwest to northeast. One man was cut rather badly by flying glass.	
Cherokee County	21	1:45 a.							Funnel	
									A small funnel was reported near Galena.	
Nebraska County	21	Morning							Locally severe wind	
									Serious damage was done to buildings on two farms 10 miles south of Sabetha.	
South Central to East Central Kansas and Eastward into Missouri	22	3:15 p. to 7:30 p.	225	*50			4	6	20 tornadoes, 12 funnel clouds, hail, severe winds, and lightning	
									A severe storm condition developed over Edwards and Kiowa counties about 3:00 p. moving east-northeast to Miami and Johnson counties and into Missouri by about 7:30 p. Its path of damage was clearly marked from tornadoes, heavy hail, and severe winds. The major tornado was first sighted as a funnel cloud over Lewis in central Kiowa County. It first touched ground southwest of Dillwyn in Stafford County and continued on the ground for the next 60 miles and lifted about 5:15 p. near Euhler in northeastern Bond County. At some points it was a mile wide. Tremendous damage was done all along the path. From Harvey and McPherson counties northeastward, numerous tornadoes on the ground and	
KANSAS (Cont'd)										
South Central to East Central Kansas and Eastward into Missouri									funnels in the air were sighted. Many localities were damaged by hail up to golf ball and baseball size. In addition to the tornadic winds, some side winds attending the storm were up to 80 mph. Counties primarily affected were Stafford, Reno, Harvey, McPherson, Marion, Chase, Morris, Lyon, Neosho, Osage, Franklin, Miami and Johnson. A pond of water was sucked dry northeast of Marion. Two persons were injured in Stafford County when their car was picked up and carried over 100 feet. Two men were cut by broken glass near Florence. Stafford County suffered the greatest monetary loss, approximately \$1,000,000 to property from the tornado and hail and 500,000 hail damage to crops. The greatest concentration of small tornadoes and funnel clouds was in Chase, Morris and Lyon counties. A number of lightning damages occurred.	
Rooks County	22	2:15 p. to 2:30 p.						3	4	Tornado and hail
									Hail fell over an area 5 miles long and 4 miles wide south and west of Stockton. Stones varied from 1 1/2 to 3 inches in diameter. Tornado path was from southwest to northeast 5 miles long and 1/2 mile wide. Tornado struck in open field.	
Allen County	22	4:30 p.							Hail	
									Golf ball sized hail fell for a few minutes in and near Iola.	
Harvey County	23	5:30 p.							Tornado	
									A funnel cloud momentarily dropped to the ground west of Sedgwick but did no damage.	
Cherokee County	23	Evening							Hail and wind	
									Wind damaged several buildings in Chetopa. Hail damaged gardens and roofs in the area.	
Cloud County	25	2:33 p.							Hail	
									Hailstones 3/4 inch in diameter fell at Concordia.	
Chase County	25	3:40 p. to 3:50 p.							Funnel cloud	
									A funnel cloud was sighted 4 miles north of Cottonwood Falls.	
Shawnee County	25	3:50 p.							Hail	
									Marble-sized hail fell about 7 miles southwest of Topeka.	
Chase County	25	5:20 p.							Funnel cloud	
									A funnel cloud was reported 5 miles northwest of Matfield Green.	
Lyon County	25	6:02 p. to 6:09 p.							Small tornado	
									A small tornado was sighted on the ground 7 miles southwest of Emporia for 7 minutes.	
Shawnee County	25	6:45 p.							Hail	
									Marble-sized hail fell for several minutes on the west edge of Topeka.	
Geary County	25	6:45 p.							Hail	
									Hailstones 1/2 inch in diameter were reported at Junction City.	
Marshall County	25	7:20 p. and 8:25 p.							2 funnel clouds	
									Two funnel clouds were sighted—one near Randolph about 7:20 p. and the second 5 miles northwest of Frankfort at 8:25 p.	
Sedgwick County	25	After 6:00 p.							Hail	
									Hailstones of pea to larger than golf ball size fell in and near Mount Hope. Gardens, crops, windows, roofs and automobiles were damaged.	
Neosho County	26	10:20 a.							Tornado	
									A funnel cloud dipped about 3 miles south of Champe. Out-buildings on one farm were damaged. Tornado moved from the southeast.	
Coffey County	26	3:40 p.	1	25					Tornado	
									A small tornado struck about 2 1/2 miles northwest of Burlington and lifted near the John Redmond Dam. One farm plant was damaged.	
Linn County	26	3:45 p.							Small tornado	
									Buildings on a farm northeast of Parker were destroyed by a small tornado.	

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

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	
KANSAS (Cont'd)										LOUISIANA (Cont'd)									
Franklin and Johnson Counties	26	6:25 p. to 8:00 p.							4 tornadoes and 7 funnels										ported from some portions of path 10 miles long and 6-8 miles wide. Ground was about half covered. Extensive damage to greenhouses, automobiles, windows, and roofs of buildings, neon and other glass signs.
Nebraska County	27	1:30 a.							Hail	East Feliciana Parish	6	1:00 p.-2:45 p.	3	2000	0	0	0	2	Hail, heavy rain
Most of Kansas	27	Afternoon			1				Wind									Clinton: heavy rain prior to and after hail; storm moved from SW to NE; 2:00 p.-2:03 p., hail ranged from "buckshot" size to 1-1/2 inch, averaging about 1/2 inch. About 1.25 inch rain fell 1:45 p.-2:45 p. Slight damage to young vegetables and shrubbery. High clouds moved from S to N rather rapidly; surface winds from N. Some thunder, lightning mostly in NE.	
Rooks County	29	About 3:00 p.	5						Tornado and hail	Near Mississippi River, S & SE Lake Pontchartrain	14	a.m.			0	0	3	0	Hail, turbulence, wind
																			3:14 a.-3:16 a., pea size hail, downtown New Orleans; ensuing public reports of 1/4 to 1/2 inch hail; wind caused some trees to fall. 6:40 a., Hannville, BOW Moisant Field, half golf ball size (7/8 in.) hail reported. 11:05 a., Conway 88 pilot, climbing W of Moisant Field, reported extreme turbulence, recommended against flight through that area.
										Evangeline Parish	17-18				0	0	5	4	Heavy rain
																			Thunderstorm that seemed to affect only northern part of parish brought rain to Ville Platte from about 3:40 p., 17th to 7:30 a., 18th totaling 14.71 inches. Half Ville Platte flooded by 4:00 a., 18th water rose three feet in some areas. Two thousand-acre artificial Lake Chicot overflowed night 18th. Some 250 people left homes, including residents of St. Landry; about 200 persons housed in Ville Platte Courthouse on 18th. The deluge broke levees in rice fields; newly planted cotton and rice will have to be replanted. Some highways closed, some power lines down.
										Caddo Parish	24	6:30 a.			0	0	2	0	Funnel clouds aloft
																			Two funnel clouds reported at Houston, did not touch ground. Some telephone communications disrupted N of Houston, power lines O.K.
										Caddo Parish	24	8:01 a.			0	0	4	0	Funnel aloft, wind
																			Dixie, 14 N Shreveport. One brick church building partially unroofed, some damage to nearby dwellings, utility lines downed. Funnel not mentioned in reports.
										Caddo and Bossier Parishes	24	8:30 a.-9:15 a.	21	167 to 500	0	2	6	0	Tornado
																			Tornado formed 4 W Greenwood, moved NE, intermittently touched ground about one-half time, last in northern part of Bossier City. Damaged about 12 homes in Greenwood, 75 in west Shreveport, and 100 in north Bossier City. Two persons hospitalized, many minor injuries; see also "Climatological Data, Louisiana" April 1964 issue.
KENTUCKY										Webster Parish	24	7:45 a.-Noon			0	0	4	0	Funnel aloft, wind heavy rain
Northern Counties	19				0	?	?	?	Hail										Torrential rains, mostly between 8:00 a. and 8:45 a., flooded all creeks, bayous, and branches; many stores and some homes flooded; streets covered, and school dismissed. At Spring Hill, a line of minor wind damage extended from Church Street into business area; several air conditioning towers toppled. About 8:15 a.-8:30 a., rain was described as falling in rotating sheets, paper sucked upward moved skyward in circular and spiraling motion; one large plate glass window exploded outward; local home barometer, about 1/2 mile from wind damaged area, reported to have dipped to some 26 ins. Eye witnesses said that it was difficult to say they saw a tornado.
Graves County, Mayfield area	27	6:55 p.			0	?	?	?	Hail	Calcasieu Parish	25	1:12 p.							Funnel cloud
																			8 NW Lake Charles (30.2° N, 93.4° W). Public reports of funnel cloud.
LOUISIANA										State	25-26				0	2	6	5	Wind, heavy rain, lightning, hail
Cameron and Jefferson Davis Parishes	3	7:23 a.-10:30 a.			0	0	4	3	Wind										Heavy rain, electrical storms, damaging winds. Some roads covered with water; areas of flash flooding; few rivers went over banks; fresh plowed fields severely eroded; automobile accidents, mostly minor, became more numerous when motorists became alarmed at weather; tides reported 2-3 feet above normal due to wind. SOUTHWEST DIVISION, Lake Charles, 26th, 3:39 p.: wind gusts to 75 m.p.h., also pea size hail. WEST CENTRAL DIVISION, Chestnut, 44 SE Shreveport, 26th 12:30 p.: 2 houses reported unroofed. CENTRAL DIVISION, Grand Coteau, 25th, before 3:25 p.: winds reported to 69 m.p.h. SOUTH CENTRAL DIVISION, Lafayette, 25th, shortly after 3:00 p.: storm lasted about 15 minutes; gusts to 50 m.p.h. Lake Henderson, 25th, about 3:00 p.: storm lasted near 45 minutes; winds produced waves up to five feet. EAST CENTRAL DIVISION, Baton Rouge, 25th: wind gusts to 64 m.p.h.; about 4:00 p., man caught by gust of wind and thrown to ground; 26th, some local flooding. 4 E Amite, 25th, shortly after 8:00 p.: lightning struck dairy barn, man knocked about 10 feet, was unconscious several hours. Bogalusa received 8.33 inches rain in 48 hours, Covington 8.29 inches rain in two days. Tchoufouca and Bogue Falaya Rivers spilled over their banks. SOUTHEAST DIVISION, near Lake Maurepas: pilots reported extreme turbulence on 25th at 4:25 p., 25 NW Moisant Field (30.2° N, 90.5° W); on 26th, extreme turbulence reported by C-210 at 7,000 feet, 11:20 a., 15 NW Moisant Field. On 25th, line of thunderstorms hit New Orleans shortly after 5:35 p., wind gusts at New Orleans Lakefront Airport to 63 m.p.h., about 6:00 p. Belle Chasse, 26th, Clausen Subdivision, 1:25 a.-1:35 a., hail reported covering ground, some golf ball size. On 26th, New Orleans, wind gusts to 55 m.p.h.; falling trees damaged some automobiles.
Lincoln Parish	5	9:30 a.	5	60 to 100	0	0	4	3	Tornado										Some hail immediately preceding funnel which moved from SW to NE, alternately rising and falling to ground. First hit 3-1/2 SE Simsboro; path, including skips, five miles, passed about 1 W Ruston. Damage done so fast people said they had no time to get scared. Sheriff reported 12 homes made unlivable; five barns, much timber damaged; power lines, telephone lines destroyed. Followed by terrific rains, some flash flooding, water damage to parish roads, and recently plowed farmlands washed.
Northern Portion	5	10:00 a.-4:00 p.			0	0	4	0	Wind, lightning, heavy rain										Some damage due to winds, lightning, heavy rain. UNION PARISH, 30 NW Monroe (32.9° N, 92.4° W), 10:00 a.: State Police reported slight damage. NATCHITOCHE PARISH, 10:55 a.: State Police reported trees and power lines blown down between Ashland and Chestnut. OUACHITA PARISH: heavy rain postponed Monroe motorcycle races until May. MOREHOUSE PARISH: 3 Beatport homes damaged by lightning. MADISON PARISH, 3 SW Vicksburg, Delta Point, 3:55 p.: roar aloft as tree uprooted and boat shed roofs damaged.
Southeast Division	6	3:00 a.-5:30 a.			0	0	6	0	Hail	MAINE									Thunderstorm developed in Houma area, moved NE, then dissipated over Lake Pontchartrain. Light hail, high wind reported at Houma, 3:30 a. but damaging hail fell in northern part Jefferson Parish, 4:30 a.-5:00 a. Hail, 1-1/2 inch diameter, observed at New Orleans International Airport; some larger hail, 2-1/2 to 3 inches diameter, re-

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MARYLAND Western Counties	28-29				0	0	5	C	Thunderstorms with heavy rain, lightning and hail
	Severe thunderstorm during the night of the 28th and early morning hours of the 29th brought unusually heavy rainfall to Allegany County where amounts in excess of 3 inches were recorded. This resulted in rock and earth slides across highways and railways and in flooding along the North Branch Potomac River and its tributaries especially Georges Creek. Communities along this latter stream were hardest hit. Damage to highways and drainage systems was heavy. Power and telephone service was interrupted by lightning and falling trees. Damage in Garrett and Washington Counties was much less. Hail was reported at several locations in Garrett County; its size at Mt. Lake Park was that of marbles while in the White Church area its size increased to that of golf balls and here it was reported some 6 inches deep.								
MASSACHUSETTS Bristol and Plymouth Counties	14-15				0	0	5	0	Rain, floods
	Rainfall totals ranging from 2.5 to more than 3.5 inches deluged the area including all of Bristol County and northern and western portions of Plymouth County. Road washouts and local flooding of streets and highways and cellars were widespread and amounted to a rather heavy total damage.								
Worcester	11	3:30 P.M.	200**	10	0	0	3	0	Dust devil
	Eye-witnesses said the dust devil originated as a foot high swirl of dust gradually rising to about 90 feet in height. Moving eastward, it struck a building. The lower half of the dust devil disappeared, but the upper half shot over the roof, ripping off the skylight and caused some additional minor damage before it broke up.								
MICHIGAN Entire State	13-14	1:00 p.m. - 8:00 p.m.			0	3	5		High winds
	High winds caused heavy damage throughout the entire state. Numerous trees were felled with resultant damage to homes cars and buildings. Commercial signs were blown down and damaged or demolished. Many large plate glass windows were blown in and broken and heavy window glass damage reported by many homes and buildings. Airport hangar blown down and small plane within damaged at Gladwin Airport. Falling trees and felled tree limbs severed many power and phone lines which disrupted services to hundreds of homes and buildings. Large industrial and commercial buildings suffered wind damage with roof damage reported to all types of buildings and homes. Man injured when struck by debris from roof factory building north of Manistee. Two high school girls cut and injured by flying glass due to blown in window at Kalamazoo. Majority and heaviest damage occurred on afternoon and evening of the 13th. Marquette County in upper Michigan estimated their damage at \$75,000.00. Winds were estimated up to 80 mph in various sections of the state.								
Jackson	21	5:20 p.							Funnel aloft
	Funnel aloft observed for 5 minutes 25 miles southwest of Jackson.								
Newaygo	28	3:15 p. (?)	(?)		0	0	4		Tornado
	Area resident B. Dowd observed a tornado come out of low black clouds and strike and destroy a cottage north of Newaygo between Emerald and Ficheral Lakes. Dowd also reported hearing a loud roaring noise when he observed the tornado which also sucked water out of the river channel between the 2 lakes. Cottage was destroyed with the walls being blown out and the furniture tossed out and blown about the area. Nearby trees were uprooted and blown down also.								
Sheridan	28	6:10 p.							Funnel aloft
	Public reported rotating funnel aloft at Sheridan which is about 35 miles northeast of Grand Rapids.								
Ottawa County	28	Evening			0	0	4		Lightning
	Lightning induced fire destroyed home and contents in Polkton Township. Family was in home at the time but were not injured.								
MINNESOTA Rochester Olsted County	13	3:00 a	3	50	0	0	5	0	Tornado
	Tornado touched down 3 miles south of Rochester and proceeded north in a skipping fashion ending in the business district. Buildings unroofed, signs destroyed and trees twisted and downed. Plate glass windows exploded outward and roaring noise detected.								
Central and Southern Minnesota	13-14				0	3	5	0	Wind, Snow, Rain
	Gale to hurricane force winds generated by a deep low pressure system swept over southern and central Minnesota. Winds reached peak speeds at Fergus Falls 11:00 a of 13th and continued in the southeast until the afternoon of the 14th. Near Alexandria 33 persons trapped in a church for 15 hours when roads became impassible due to drifting snow. Much of northwestern Minnesota covered by a 6 to 10 inch blanket of wet snow. Snow melted as it fell in the Twin Cities and southeastward. Many utility lines out due to icing in western part of state and elsewhere due to wind and falling trees. Over 300 poles downed in New Ulm area alone. Many buildings damaged and unroofed. Thousands of trees downed or uprooted. Small aircraft pulled from their moorings. T.V. antennas and sign boards wrecked. Winds reached peak gusts of 74 mph at Fargo-Moorhead, 60 mph at Fergus Falls, 80 mph at Manikato, 83 mph at Rochester, and 82 mph at Minneapolis-St. Paul. Record all-time low barometer of 28.77 inches recorded on the 13th at Minneapolis-St. Paul, new one-minute speed for April of 52 mph also set. One person injured by flying glass. Another by a falling roof near Detroit Lakes. Passenger injured when bus swept off the road near Manikato.								
MISSISSIPPI Middle Portion	5	p.			0	0	5	4	Heavy rain, wind
	Heavy rain contributed to traffic accidents, property and road damage, washed out bridges, and crop destruction. Flash flooding inundated large areas. WARREN COUNTY, 3:50 p., Vicksburg: slight wind damage. NEWTON COUNTY, about 8:30 p., near Conehatta and Lawrence: some wind damage.								
East Central Division	5-6				0	0	5	3	Heavy rain
	Heavy rain created flash floods in small streams and prolonged floods in larger streams. CLARKE COUNTY: 10.34 inches rain in about 18 hours at Enterprise. JASPER COUNTY: Washed out roads, flooded county schools. LAUDERDALE COUNTY: Meridian's south side flooded, some flooding in northern and western metropolitan subdivisions; over 100 fled homes.								
Kemper County	6	2:30 a.							Funnel cloud
	Near Scooba (32.9° N, 88.5° W), highway patrol reported possible funnel cloud.								
Lowndes County	6	8:35 p. - 8:40 p.			0	0	0	0	Hail
	Columbus: heavy rain, no wind damage; hail covered ground, size ranged from marbles to golf balls.								
Lowndes County	7	Before 5:00 p. & 6:10 p.			0	0	3	0	Hail, wind, funnel aloft
	Hail and damaging winds reported at Columbus Municipal Airport before 5:00 p. Funnel, (did not touch ground), observed 5 NE Columbus AFB 6:10 p.								
Lincoln County to Jefferson Davis County	7	10:30 p. - 11:15 p.			0	0	3	0	Wind
	Severe thunderstorm, very strong radar echo moved from near Bogue Chitto to near Prentiss. Heavy rain, high wind, and hail. Some damage to farm house roofs and power lines. Highway patrol noted tree down 10:45 p., 7 S Brookhaven.								
Jones County	7-8				0	0	6	3	Heavy rain
	Heavy rain created flood. Worst devastated areas were N, E, and S sections of Laurel, stretching into rural communities. On 7th, Red Cross shelters housed 2,000 evacuees; on 8th, over 3,000 were homeless.								
Jackson County	13-14				0	0	4	0	Heavy rain
	Some flooding, and streets damaged by heavy rain. Over 8 inches in some sections Pascagoula.								
Lawrence County	14	1:36 a.							Funnel cloud
	40 NE McComb (31.7° N, 90.0° W), funnel cloud without severe weather								
Harrison County	14	4:50 a.			0	0	3	0	Wind
	Severe thunderstorm. Gusts to 92 m.p.h. reported by FAA Gulfport. Beacon tower blown down and hangar damaged.								
Hinds County to Lauderdale County	25	4:00 p. - 6:00 p.			0	0	3	0	Wind, funnel cloud
	Heavy rain, high winds. Funnel reported by police over S Jackson 4:45 p.; airport winds up to 39 m.p.h. in gusts. At 5:30 p., gusts to 60 m.p.h., 12 N Meridian (32.3° N, 89.0° W).								
Coastal Division	25, 26, 27				0	5	5	4	Heavy rain, wind, hail
	Heavy rain, electrical storms, some damaging winds. Many roads covered with water; fresh plowed fields severely eroded; tides reported 2 - 3 feet above normal due to wind. HANCOCK COUNTY: Bay St. Louis: 10.85 inches rain in near 18 hours; 26th, 10:05 p.-10:15 p.: winds up to 70 - 72 m.p.h.; 27th, 4:35 p.-4:45 p.: hail, mostly less than golf ball size, some to 1-3/4 inches. HARRISON COUNTY: Civil Defense Director estimated 2,000 persons voluntarily left homes, at least 88 evacuated; one-quarter of planted crops lost. Gulfport: 11.69 inches rain in under 29 hours. JACKSON COUNTY: some high winds 26th, and very high winds 27th. A group of severe thunderstorms from Gulf moved inland over Gautier shortly after midnight with no damage; moved through Pascagoula-Moss Point area, some boats broke loose, and in three-mile square area sent trees, limbs, and power lines down, overturned number of house trailers, injured five. Damage in Pascagoula and Moss Point was scattered and considered light. At Jackson County Airport, three airplanes overturned, one reported total loss. GEORGE COUNTY: Lightning damaged some buildings and caused fires. 25th, 10 S Lucedale: barn flattened, near 15 large trees uprooted. 26th, Lucedale Beaver Dam Community, about 11:00 p.: Tops of sheds and barns blown off, large oak trees uprooted.								
Southeast and Coastal Divisions	28	Afternoon			0	0	4	3	Hail
	Some scattered reports of large hail. LAUDERDALE COUNTY, 14 NNE Meridian, (32.5° N, 88.5° W), 2:00 p.: hail one inch. CLARKE COUNTY, Enterprise, 3:15 p.: much damage to numerous roofs and windows by hail up to 2 inches diameter (large as hen eggs). Eighty seven school windows broken. HARRISON COUNTY, afternoon: hail fell briefly, little or no damage in rural areas. Pass Christian had some about golfball size. HANCOCK COUNTY, Bay St. Louis, 4:35 p.-4:45 p.: hail.								
MISSOURI St. Louis County and City of St. Louis	2	Evening			1	4	6		Thunderstorm
	Heavy damage to homes, signs, trees, plate glass windows. Most damage by straight-line winds, estimated to be near 100 miles per hour and some damage from large hail. No evidence of tornadoic activity. One youth was swept into a storm sewer and drowned. Several minor injuries to other persons.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

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	INURED	PROPERTY	CROPS							KILLED	INURED	PROPERTY	CROPS		
MISSOURI (Cont'd) Highes, Randolph County	2	2:00-2:30 PM						4	Thunderstorm	MISSOURI (Cont'd) Hannibal Marion-Ralls Counties	19	6:33 PM						4	Thunderstorm	
Florissant, St. Louis County	3	2:30 PM						4	Thunderstorm	Kansas City (8 SSE) Clay-Jackson Counties	19	8:35 PM							Thunderstorm	
Mound City, Savannah, Craig Holt and Andrew Counties	3	6:45-8:45 PM						3	Thunderstorm	Brunswick, Moberly, Paris, Chariton, Randolph and Monroe Counties	20	3:30-4:30 PM						4	Thunderstorms	
Cole Camp, Benton County	4	8:00 PM						4	Thunderstorm	Hannibal Marion-Ralls Counties	20	4:30-5:00 PM						4	Thunderstorms	
Columbia, Boone County	6	7:55 PM			1		3		Thunderstorm	Sedalia Pettis County	20	3:15 PM						3	Thunderstorm	
Central-Northeast Missouri	6	4:00-5:30 PM						5	Thunderstorms	Belton Cass County	20	10:45 PM						4	Thunderstorm	
Platte City, Platte County	12	5:50 PM							Funnel Aloft	Boone County	20- 21	Afternoon, Evening						4	Thunderstorm	
LaMonte, Pettis County	12	7:55 PM	1/10						Minor Tornado	Joplin, Jasper, Golden City Newton-Jasper-Barton Counties	21	2:00 AM						3	Funnel Aloft	
Leeton, Johnson County	12	Evening	12	1500	1	3	5		Tornado	Nevada (Near) Vernon County	21	1:24 AM						3	Funnel Aloft	
Monette, Barry-Lawrence County	12	7:30 PM						4	Thunderstorm	St. Charles St. Charles County	21	4:40 AM					3	4	Thunderstorm	
Weston, Platte County	12	4:45 PM						4	Tornado	Golden City, Lasar Barton County	21	2:00 AM						4	Thunderstorm	
Pleasant Hill, Lone Jack, Cass and Jackson Counties	12	6:00-7:00 PM	20-25		1	10	6		Tornadoes (2)	Hermitage Hickory County	22	9:45 PM							Funnel Aloft	
Aurora, Lawrence County	12	7:00 PM							Funnels Aloft	Versailles (10 S) Morgan County	22	11:50 PM							Funnel Aloft	
Maryville McDaway County	12	10:20 PM	11	300				6	Tornado	Clay-Jackson Counties	22	7:00-9:00 PM							Funnel Aloft	
Hermitage Hickory County	12	8:35 PM						4	Thunderstorm	Vernon County	22	7:50 PM						4	Thunderstorms-Funnels Aloft	
Butler, SW Bates County	12	5:15 PM							Funnels Aloft	Lethan Moniteau County	22	10:58 PM							Funnel Aloft	
Perrin-Osborn DeKalb County	12	5:45 PM						3	Tornado	Osceola (10 S) St. Clair County	22	8:34 PM							Funnel Aloft	
Cape Girardeau Cape Girardeau County	13	00:15 AM						4	Thunderstorm	Butler Bates County	22	9:40 PM						3	Tornado	
										Warsaw Benton County	22	9:00-11:00 PM								Thunderstorm

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
MONTANA West portion Central Montana	5	Afternoon	160	*130	0	0	2	0	Snow and Drifting Snow	NEVADA (Cont'd) Reno	4/23	1:30 PM	1	Unknown					Tornado
Yellowstone County	24-26		60	*30	0	0	5	?	Heavy rain										
Broadus, Powder River County	25	2:10 P	1/4	300	0	1	5	0	Tornado	NEW HAMPSHIRE									
NEBRASKA Wood River	1	9:30 p.	Spot	Spot	0	1	0	0	Lightning	NEW JERSEY									
10 NE Arnold	2	3:10 p.	?	?	0	0	2	0	Tornado	NEW MEXICO Albuquerque	30	Evening			1				Lightning
Southern Custer County	2	3:30-4:30 p.			0	0	0	0	Funnel clouds										
Northern Dawson County	2	3:30-4:30 p.			0	0	0	0	Funnel clouds										
South Central Dawson County	2	4:30 p.	?	?	0	0	0	0	Tornado	NEW YORK Great Lakes and northern third	2-3				1				Snow, wind
Southeastern Nebraska	12	Afternoon	180	150	0	0	4	0	Damaging Wind, hail, Funnel cloud	NORTH CAROLINA Southern Mountains, Southwestern Piedmont	6,7, 8				1	0	5	4	Rain, Flash Floods
Southeastern Nebraska	19-20	Late Evening to 5 a.	200	180	0	0	5	0	Lightning, damaging winds	Chowan County	8	4:30 pm			0	0	4	0	Wind
Bennet to Greenwood	20	7:00 p.	20	Narrow	0	0	4		Tornado	Alexander, Cherokee, Iredell Counties	28	Late aftn			0	0	5	4	Electrical, Hail, Wind, Rain.
Wayne	20	7:00 p.	Short	Narrow	0	0	3	0	Tornado	Camden, Gates, Pasquotank Counties	29	3-5 pm			0	0	4	5	Hail, Wind, Rain
Near Hebron	25	4:30 p.	25	Narrow	0	0	4	0	Tornado	Craven, Onslow Counties	30	Aftn			0	6	4	3	Electrical, Hail.
Nebraska	26-27				0	0	5	?	Damaging Winds	NORTH DAKOTA OHIO New Carlisle	3	1:30 AM	1/4	Narrow	0	0	4	0	Windstorm
Northeastern Buffalo County	26	11:30 a.	10	Narrow	0	0	4	0	Tornado	Columbus	18	Afternoon			0	0	4	0	Thunderstorm Winds
Northeastern Custer County	26	12:30 p.	Short	Narrow	0	0	4	0	Tornado	Pickerington	18	3 PM			1	0			Lightning
Antelope County	26	2:00 p. - 3:30 p.	30	Narrow	0	0	5	0	Tornado	Northern Butler and Warren Counties	20	Early Afternoon	12	200	0	0	5	0	Windstorm
NEVADA Reno	4/20	Unknown			0	0	5	0	Whirlwind										

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STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA Osage and Washington Counties	2-3	9:00a., 2nd - Noon, 3rd			0	0	5	5	Winds
									High winds during the period fanned a grass and timber fire out of control which blackened about 40,000 acres in the area from 5 miles north of Bardsall to just west of Bartlesville. Up to 300 persons battled the blaze which damaged railroad tracks and a trestle, fences, some outbuildings and destroyed a fire truck. Southerly winds gusting to 35 MPH were observed at Bartlesville Airport about 9:00 AM while afternoon winds came from the southwest and gusted 45 to 52 MPH between 3:00 PM and 6:00 PM.
Medford, near, Grant County	2	About 4:00 p.			0	1	0	0	Wind
									A worker received a fractured arm when blown off an oil field drilling rig by high winds at a site near Medford.
Jefferson and Stephens Counties	3	12:45a., 1:00a., 1:05a.			0	0	0	0	Hail
									The first hailstorm was reported 2 miles south of Waurika, Jefferson County, with hail up to three-fourths-inch size. A second brief storm occurred 8 miles west-southwest of loco, Stephens County, where hail averaged three-fourths-inch size with some up to one-inch size and covered less than 10 percent of the ground. No damage was reported.
Marshall and Bryan Counties	3	6:35a.- 7:10a.	15	200	0	1	5	4	Tornado and rain
									The tornado first touched down in the Woodville area causing heavy damage on one farmstead and minor damage to another before starting a northeastward course across the southeast corner of Marshall County. It next struck the Catfish Bay Marina where nearly all boat houses were destroyed, boats sunk and docks badly damaged. Continuing northeast it cut a quarter mile path of destruction across Texoma State Park before lifting again into the air missing Texoma Lodge. Broken trees and debris marked the trail along which one concrete block cabin and a fire house were destroyed, 15 cabins unroofed, and 8 others damaged. One trailer home was overturned and a riding stable unroofed. Blinding rain caused additional property loss. The tornado crossed over Roosevelt Bridge causeway downing 8 poles, damaging one car and blocking Highway US70 for two hours. The funnel hopped to the northeast next striking the East Newberry Creek resort area in western Bryan County. The boat dock and fishing barge were wrecked and six boats sunk. One man was injured when blown into the water. Two trailer homes were blown over and stacked like cordwood while 4 others were blown off their foundations. This tornado was believed to have touched down again briefly in the area two miles west of Cobb before dissipating. Tornado damage 85 percent of \$230,000 total, rain 15 percent.
Sumnerfield, LeFlore County	3	11:45a.	Short Narrow		0	0	3	0	Tornado
									A small tornado struck a farmstead one and one-half miles south-east of Sumnerfield destroying a brooder house and killing several hundred baby chicks.
Jefferson County	3	3:00p.- 3:55p.	10	*10	0	0	?	0	Hail and funnels aloft
									Hailstorm moved northeast from Ebers, Texas, into the extreme western part of Jefferson County. Hail up to one and one-fourth-inch size covered the ground six miles west of Waurika and near Suggen. Some roof damage was reported. A terrible roaring sound was reported in the clouds six miles northwest of Waurika where at least two funnels aloft were observed briefly about 3:45 PM.
Lamont, near, Grant County	3	3:00 p., 10:05p.			0	0	0	0	Hail
									A 15-minute hailstorm pelted the area five and one-half miles southwest of Lamont and covered up to 10 percent of the ground with hail up to three-fourths-inch size as did a second hailstorm which hit two miles west-northwest of town at 10:05 PM. No damage was reported.
Fairmont, near, Garfield County	3	3:30p.- 3:35 p.			0	0	0	0	Funnel aloft
									A funnel aloft appeared four miles north-northeast of Fairmont and extended one-fourth the distance to the ground for five minutes while it traveled northeast.
Omarche, Kingfisher County	3	3:30p.- 4:15p.	1 1/2	*1	0	0	4	4	Hail
									A hailstorm moved northeast across Omarche causing considerable roof damage, especially in the southeast part of town. Hailstones averaged one and one-half-inch size with largest stones up to three-inch size. The ground was covered up to a depth of three inches in places.
Stephens and Grady Counties	3	3:30p.- 4:45p.	17	*2-7	0	0	3	0	Hail, wind, and funnel aloft
									Severe thunderstorms moved northeast across the northwest half of Stephens County from southwest of Duncan to just north of Marlow and Bray into southern Grady County. Hail averaged up to one-inch size along path and covered up to 30 percent of the ground in a few places. Heaviest hail was reported three to six miles west of
OKLAHOMA (Cont'd) Stephens and Grady Counties (Cont'd)									Duncan. No hail damage reported. Gusty winds registered above 75 MPH at Duncan radio station during storm passage about 4:20 PM. A corrugated steel roof was partially blown from an auto-repair garage. One funnel aloft was sighted 10 miles northeast of Duncan about 4:30 PM.
Caddo, Washita, Custer, Elaine, and Dewey Counties	3	4:30p.- 6:30p.	65	*2-7	0	1	4	0	Hail
									Severe hailstorms moved from just north of Carnegie on to the north through Alfalfa, just east of Colony, Hydro, Fay, and Oakwood. Hailstones averaging up to one and one-half-inch size covered the ground in places from three miles north of Carnegie to just south of Hydro. Heaviest property damage occurred to farmsteads along the path just east of Colony where windows were broken, automobiles and equipment dented, and roofs damaged. Largest hailstones ranged three to four and one-half inches in diameter with hail four miles northeast of Colony passing through a roof and sheetrock striking the floor. One lady received a severe knee injury when she was struck by a large hailstone as she started toward the cellar.
Nash, Grant County	3	4:30p., 7:30p.- 7:33p.	Short Narrow		0	0	0	0	Hail
									Two brief hailstorms pelted the area one mile west of town. Stones up to three-fourths-inch size covered 10 percent of the ground. No damage was reported.
Western part of Major County	3	5:00p., 6:20p., 7:00p.			0	0	0	0	Hail
									Two 30-minute hailstorms covered the ground with up to one-inch size hail 10 miles north of Chester at 5:00 PM and with three-fourths-inch size hail observed near Orian at 6:20 PM. Hail up to one-inch size was also reported to have fallen in Fairview after 7:00 PM. No damage reported.
Caddo, Grady, McClain and Cleveland Counties	3	5:15p.- 6:45p.	50	*5-15	0	0	?	0	Hail and 2 tornadoes
									A line of thunderstorms from the Anadarko area, Caddo County, extended northeastward across the area bounded by a line through Amber, Moore, Minco, and back to Anadarko. Hail averaging up to one-inch size fell during a 5-30 minute interval along path with the ground covered in some areas. Larger hail of one and one-fourth- to one and three-fourths-inch size fell from Pocomass to Moers with knee-deep drifts along the north side of buildings reported three miles southwest of Pocomass. Only minor hail damage reported. Employees at the National Severe Storms Laboratory, Norman, sighted two small tornadoes moving east-northeast. Tornado #1 was sighted on the ground briefly at 6:10 PM about six miles west-southwest of the Laboratory near the south bank of the South Canadian River in McClain County. Tornado #2 was sighted on the ground for about 10 seconds at 6:40 PM in an open area about three miles southwest of the Laboratory along the north bank of the river in Cleveland County. No tornado damage reported.
Marshall, Bryan, and Atoka Counties	3	5:30p.- 7:40p.	45	*2-18	0	0	4	0	Hail, 2 tornadoes, and 2 funnels aloft
									Severe thunderstorms moved northeast across area. Hail averaging golf ball size pelted the area between Madill, Caddo, Canev, and Coleman resulting in approximately 800 damage claims. Largest stones up to two and one-half inches in diameter fell at Madill and a few up to three and one-half inches in diameter were reported near Canev where the ground was covered to a depth of one and one-half inches. Considerable roof damage was reported. Tornado #1 struck at a farm three and one-half miles south-southwest of Madill at 5:50 PM. Its half-mile path averaged 50 to 200 yards wide and included damage to a barn, windmill, chicken house, garage, and wheat fields. A few minutes later Tornado #2 touched down briefly seven miles east of Madill damaging a barn and sled before moving northeast across open country. Two Civil Defense storm watchers sighted a funnel aloft in the area 10 miles west and three miles north of Durant about 6:15 PM. It moved northeast and failed to reach the ground. Another funnel aloft was sighted by a State Patrolman as it moved northeast across Wapanucka and out of sight without touching the ground. Hail 95 percent of \$44,000 total, tornadoes 5 percent.
Garvin and Pontotoc Counties	3	5:50p.- 6:30p., 7:30p.	1	*1	0	0	6	3	Hail and wind
									A squall line containing a heavy thunderstorm swept northeastward across Garvin County causing extensive hail damage at Pauls Valley. High winds preceding the hail blew in plate glass at a drug store and damaged roofing at a church and four nearby homes along a two-block area. Hail averaged two-inch size with many three-inch size stones reported. Largest egg-shaped stone measured four and one-eighth inches at its widest point and ten and one-half inches in circumference. Hail covering the ground in many parts of the City shattered 2,000 glass panes at a florist greenhouse along with many others in churches, homes, schools and businesses. Additional damage occurred to the roofs of business buildings and homes, neon signs and automobiles. Hail also fell in Stratford about 6:15 PM covering 70 percent of the ground with hail up to one and one-half inches in diameter. The squall line moved on into Pontotoc County with golf ball size hail nearly covering the ground in the Byng area.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

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					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (Cont'd) Devey County	3	7:00p.- 8:00p.	25	*2	0	0	?	?	Hail
									A hailstorm moved southeast from Vic to near Cadargo pelting the area with hailstones up to one and one-half-inch size and which nearly covered the ground in places. Some damage was indicated.
Garber, Garfield County	3	Evening			0	0	4	0	Electrical
									Lightning caused fire which destroyed a home and most of its contents one mile north-northeast of Garber.
Dunbar, near, Pushmataha, County	3	9:00p.- 10:00p.			0	1	3	0	Flash flooding
									Heavy thunderstorm caused flash flooding along creeks in the Dunbar area. One lady was injured when her car was swept downstream by a head-rise water up to the windows as she attempted to ford a creek about 10 PM.
Choctaw and Pushmataha Counties	3	9:30p.	27	*1 1/2	0	0	3	0	Tornado and hail
									A small tornado struck four miles north of Hugo, Choctaw County, in the Long Creek community and damaged six farms along a one and one-half-mile path moving northeast. Four homes were damaged with one moved two feet off its foundation. Three barns and a pickup truck were also damaged and two outbuildings destroyed. Hail larger than one-inch size was reported covering the ground in places from Soper to Spencerville in Choctaw County while the most destructive hail of one and one-half- to two and one-half-inch size fell from Spencerville on to the northeast in the Oleta and Corinne area of Pushmataha County. Tornado damage 80 percent of \$4,500 total, hail 20 percent.
Lincoln County	3	11:00p.			0	0	4	?	Hail
									Severe hail accompanied heavy rain across the southeastern half of the County from Meeker to Stroud. Hail up to two and three-fourths inches in diameter fell at Stroud damaging many roofs.
Chouteau, near, Hayes County	3	About 11:00p.			0	0	?	?	Wind
									High winds estimated at 65 MPH damaged five farmsteads three miles southwest of Chouteau.
Pauls Valley, Garvin County	4	2:20a.- 2:30a.			0	0	0	0	Hail
									Hailstorm over City reported by police. Light hail up to three-fourths-inch size covered only about five percent of the ground.
Northwest Comanche County	4	3:30a.	?	?	0	0	0	0	Hail
									Hail fell over the western end of the Wichita Mountains Wildlife Refuge with stones ranging from three-fourths- to one and three-fourths-inch size covering the ground in the Headquarters area.
Tipton, Tillman County	4	3:45a.- 4:15a.	12	*3	0	0	5	?	Hail
									Tipton was centered in western half of hail path which extended to northeast. Roofs and windows fell victim to stones averaging one and one-half inches in diameter with largest chunks up to four inches long. Hail depth up to 2 inches in places caused extensive property damage over the City. Some crop damage was indicated.
Northwest Quarter of State	4-5	4:00a., 4th- 6:00a., 5th			0	0	?	?	Rains and flash flooding
									Intermittent driving rains totaled from three and one-half to five and one-half inches across the area. Heaviest downpour occurred between 7PM and 8PM. Flash flooding along Kingo Creek in the Clarland Acres area between 11th Street and Admiral Boulevard in Tulsa caused up to one and one-half feet of water in five homes. Several underpasses also flooded and considerable dirt was washed onto streets from new construction areas. A 4.36-inch rain at Shawnee brought the worst flash flooding there in seven years. Scores of automobiles were stalled, homes and streets damaged, and several small bridges washed out as Shawnee and Squirrel Creeks were fed by three and one-half inches of rain between 4PM and 6PM. The larger storm totals included Bartlesville, 5.30 inches; Lenapah, 5.73; Sallisaw, 5.55; McCurtain 5.56; Tulsa, 5.28; and Warru, 5.05 inches.
El Reno, Canadian County	4	4:45a.- 4:55a.	?	?	0	0	0	0	Hail
									Hail averaging three-fourths- to one-inch size reported falling in City but no damage indicated.
Deer Creek, near, Grant County	4	About 11:15p.	?	?	0	0	?	?	Tornado
									Severe storm observer reported that a small tornado touched down three miles north of Deer Creek causing minor damage.
Statewide	12	10:00a.- 8:00p.			5	32	?	?	Wind and dust-storm
									A fast-moving Pacific cold front pushed southeastward across the State during the period. Strong damaging winds and blowing dust reduced visibility to generally one mile and less than one-fourth mile in numerous areas in the western half. Northwest winds gust-
OKLAHOMA (Cont'd) Statewide (Cont'd)									ing to 50 MPH at 10:30 AM in the Guyton area caused up to six hours closure of some Panhandle highways. Blinding dust from adjacent fields caused two pileups involving four trucks and seven cars in Texas County. One wreck four miles northeast of Goodwell about 2 PM on U.S. Highway 54 claimed three lives and injured 13, while a second wreck just east of Hardesty resulted in two injuries. A 17-car pileup occurred two miles north of Minco on S.H. 152 with two killed and 15 injured during a blinding dust-storm about 3:25p. Another pileup three and one-half miles south of Moore involved 15 cars and caused one injury. One man was injured at Altus when wind gusting to 60 MPH pulled his car out of control. Nearly all communities in the State tallied widespread wind losses from damaged roofing, shattered plate glass windows, broken poles, toppled TV antennas and fences, destroyed barns, and uprooted trees. Winds at Oklahoma City picked up gravel from the State Fairgrounds parking lot and shattered windshields of 30 automobiles, and 15 others had rear windows exploded from quick cooling which followed 92-degree temperatures prior to the passage of the front. Other damage included a toppled amusement park ride, a small car crushed by a toppled 20-foot brick wall, some domed power lines and numerous broken windows. One small airplane was damaged at Will Rogers World Airport when torn loose from its moorings. A garage was destroyed at Cushing when blown from its foundation. Highest one-minute speed was 56 MPH observed at Oklahoma City Weather Bureau Airport Station, while maximum wind gusts recorded during the afternoon were: Gage, 61 MPH at 4PM; Ponca City, 54 MPH at 7:58 PM; Clinton, 65 MPH; Lawton 58 MPH at 3:30 PM; Duncan 65MPH Ardmore 65 MPH at 6:12 PM; Oklahoma City, 71 MPH at 3:43 PM; Cushing, 70 MPH at 8:00 PM; Tulsa and Ada, 50 MPH; and McAlester, 46 MPH at about 6:30 PM.
Eastern Third of State	12	5:08p.- 6:15p.			0	0	3	0	Hail and Tornado.
									Widely scattered hailstorms moved northeast across the eastern third of Oklahoma. Hail up to one-inch size fell in the northeast part of Tulsa between 5:08 PM and 5:20 PM covering up to 15 percent of the ground. A spotty coverage of three-fourths- to one-inch size hail extended from northwest of Nowata, Nowata County, into northeast Craig County. One-inch size hail also fell at McAlester, Pittsburg County, at 5:30 PM while stones up to three-fourths inch occurred at Pryor, Hayes County from 5:59 PM to 6:06 PM and at Madill, Marshall County from 6:00 PM to 6:15 PM. Some scattered hail damage occurred. Creek County Civil Defense Director reported a small tornado struck four miles northeast of Sapulpa along Hilton Road at 5:15 PM. One farm house lost its entire roof and was heavily damaged along the 150-foot wide path which continued one-fourth mile to the northeast.
Medford, Grant County	16	Late Afternoon			1	0	0	0	Wind
									A student pilot ejected from a T-37 jet trainer near Medford and died from injuries received after high winds dragged him along the ground and through barbed-wire fences following the crash.
Alva, near, Woods County	16	6:25p.			0	0	0	0	Tornado
									Alva police reported a tornado touched down briefly in a wheat field three miles west of the City without doing any damage.
Butler, near, Custer County	16	Evening			0	0	0	0	Hail
									A few hail up to three-fourths-inch size fell in an area nine miles north of Butler.
Minco, near, Grady County	17	9:25p.- 9:30p.			0	0	0	0	Hail
									The ground five miles southwest of Minco was covered with hail up to three-fourths-inch size. No damage was reported.
Oklahoma City, Oklahoma County	17	About 9:00p.			0	0	0	0	Hail
									Thunderstorms moved across the Oklahoma City area while hail ranging from one-half- to three-fourths-inch size pelted the area near S. W. 79th and Pennsylvania. No damage was reported.
Panhandle Area	20	3:15p.- 5:15p.			0	0	0	?	Wind and dust
									Dust-laden winds across the Guyton area reduced visibility to near zero along highways. Blowing dust from adjacent fields required a two-hour closure of U.S. 64 west out of Guyton, while 55 MPH winds and dust forced closing of U.S. 54 for more than an hour between Gage and Guyton. High winds damaged fallow-land and small grains in Cimarron County requiring emergency tillage to prevent erosion.
Chouteau, near, Hayes County	20	5:00p.			0	0	0	0	Tornado
									A Rogers County Civil Defense Director reported that a funnel aloft was sighted briefly just west of Chouteau and was confirmed as a tornado by Highway Patrol.
Jefferson and Carter Counties	20	5:30p.- 8:20p.	55	*6-14	0	0	4	5	Hail, 3 funnels aloft, and wind
									A severe thunderstorm containing large hail and high winds entered Jefferson County just west of the Suggen-Ryan area and moved east-northeast across Ringling to the northeast part of Carter County. Wind-blown hail averaging one- to one and one-half-inch size over the first 20 miles of the path caused considerable damage to wheat, roofs, windows, and automobiles between Ryan and Waurika. Largest

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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) Jefferson and Carter Counties (Cont'd)									
									hail of two and one-half- to three-inch size caused major damage at Irving and Sugen in the area west and north of Ryan where the ground was covered in most places. A funnel aloft was observed passing over Ryan at 5:30 PM as it moved eastward. Two other funnels aloft formed briefly three miles southwest of Waurika at about 6:15 PM. Hail in the Orally area between 6:50 PM and 7:06 PM covered the ground with one-half- to one and one-half-inch size stones. Hail averaged three-fourths-inch size along the remainder of the path with largest stones up to one and one-half-inch size. Damaging winds about 7 PM blew away a barn just east of Ringling and damaged a home, trailer house, and fence. The roof and ceiling of the Zanies School lunchroom was heavily damaged by hail and rain while hail broke 15P windows at the school. Numerous trees were uprooted along the path and many downed power line poles caused overnight electric outages. Marble-size hail three miles east of Ringling piled up three feet high against the side of a house, while hailstones up to four inches deep were reported northeast of Willard.
Davis, Murray County	20	About 8:00p.			0	0	0	0	Funnel aloft
									Two severe storm observers sighted a funnel aloft traveling east just to the northeast of Davis.
Buffalo, Harper County	20	Evening			0	1	2	0	Electrical
									A lightning bolt entered a home along the telephone lines and caused minor damage as the bolt came out through two plug-ins. One lady received severe shock from the explosion and damage to hearing in both ears.
Tulsa, Tulsa County	20	After 11:00p.			0	0	4	0	Electrical
									Lightning-set fire destroyed a five-room home and contents in the north part of the City.
Nowata, Nowata County	21	12:30a.-12:50a.			0	0	0	0	3 Funnels aloft
									Civil Defense Director reported that a funnel aloft moved across the north part of Nowata about 12:30 AM heading northeast. Twenty minutes later two more funnels aloft were sighted to the west of the City, about a quarter of a mile apart, but never touched down as they moved to the northeast.
Hennessey, near, Kingfisher County	22	4:10p.-4:18p.			0	0	0	0	Hail
									Hail ranging from one-half- to three-fourths-inch size nearly covered the ground in the area 15 miles west-southwest of Hennessey. No damage was reported.
Garfield, Noble, and Kay Counties	22	4:45p.-6:45p.	50	50-#6	0	1	5	4	3 Tornadoes, funnels aloft, hail, and electrical
									A large tornado-producing cloud started building five miles south-east of Enid and then moved 50 miles northeast causing heavy tornado and hail damage during a two-hour swing across Garber, Billings, and Tonkava to the Ponca City area. Three funnels aloft formed first and then joined to drop to the ground as tornado #1 at 4:45PM. It completely destroyed a farmstead along its initial mile path before reaching a width of one-half mile and then veering back to the north-northeast for four and one-half miles where it crossed U.S. 64 at a width of 100 yards. It then skipped along an east-northeast course with its path varying in width from 50 to 1500 yards to come within a quarter mile of the southwest edge of Garber before pulling back up into the main storm cell. A lightning-set fire burned one barn while the tornado and strong side winds damaged at least 10 homes, destroyed barns, granaries and outbuildings within an area of three miles on either side of the storm track. One man was injured when struck by flying glass as his automobile was damaged on U. S. 64 east of Enid. Tornado #1 lowered to the ground again four and one-half miles northeast of Garber where tornado #2 formed and the two skipped a short distance on the ground toward Billings where tornado #3 joined them and dipped to the ground briefly several times. The three tornadoes passed Billings about 5:30 PM destroying farm buildings, a 200-barrel oil tank, and damaging many roofs and windows. One family escaped injury when their car was picked up and carried a short distance by the tornado as it crossed I.H. 35 near S.H. 14. The main cell (tornado #1) was sighted about 5:50 PM near the Marland "W" and U.S. 177 as it continued towards Ponca City. The smaller cell (tornado #2) then headed northward towards Tonkava damaging three farmsteads, seven wheat bins, and downing four oil rigs. It lifted over the Salt Fork River and came back down in the Ivy Addition on the south edge of Tonkava at 6:15 PM and swept northeastward across Second and First Streets at about tree-top level to the rodeo grounds. One funnel aloft was also sighted. Golf ball size hail was reported in the City. Tornado damage over an eight-block area included roofs, garages, barns, and power lines. Tornado #1 continued towards Ponca City with its funnel one hundred feet off the ground. It was joined west of the City by another funnel aloft and the two of them skirted the west side of Ponca City. The main funnel traveled over Selvey Addition where three automobiles had windows sucked out and home roofs and windows were damaged. It last struck two miles north of Ponca City Airport where a house was damaged and a large barn was twisted on its foundation and partially collapsed. Severe hail pelted much of Garfield and northern Noble Counties. Stones averaged three-fourths-inch size over area between Waukomis, Covington, Billings, Tonkava, and back to Hunter and Enid. Larger hail up to two and one-half-inch size covered the ground at Fairmont. The ground was
OKLAHOMA (Cont'd) Garfield, Noble, and Kay Counties (Cont'd)									
Choctaw and McCurtain Counties	22, 23	5:00p., 22nd, 7:00a., 23rd	70	*15-35	0	0	4	0	Rains
									Intense rains of two and one-half to five and one-third-inches fell over the southern portions of the counties causing county roads and bridges to wash out as creeks rose rapidly above floodstage. Hugo received 1.75 inches of rain between 4:10 PM and 6:00 PM. A washout of 70 feet of Frisco trucks 10 miles southeast of Idabel near Kalli Station caused derailment of a diesel unit and four railroad cars.
Cotton, Comanche, Grady, Caddo, Canadian, Oklahoma, and Logan Counties	23	4:15p.-7:45p.	135	*4-25	0	0	6	5	Hail, wind, and tornado
									Fast-moving thunderstorms skipped northeastward from Texas into the Randlett area where hail battered a trailer house. A 30- by 4-mile path northward across Cotton County averaged one-inch size hail that covered the ground. Some hail up to two and one-half-inch size damaged wheat 30 to 36 percent along the path in the Emerson-Garmino area. The hailstorm reached its maximum intensity across Comanche County as the storm center moved over the eastern half of Lawton, including the downtown area. At about 4:50 PM hailstones averaging two-inch size began slamming the City with winds up to 65 MPH and numerous two and three-fourths-inch size stones, with largest observed hailstones three and one-half inches in diameter. Hail covering the ground in places caused extensive roof and glass damage to homes, businesses and automobiles. Dented automobiles were numerous with one dealer reporting damage to 22 new cars and 50 used cars and trucks. One house top was blown off and into the street and several businesses lost roofing. Some 2,000 claims have been filed on the storm and total damage is expected to reach 2.5 million dollars. A small tornado touched the ground briefly four miles east of the City but was visible aloft from 4:50 PM to 5:00 PM. The hailstorm decreased in intensity and veered to the northeast across Elgin and Sharling, then northward striking along the Grady-Caddo County line. Hail west of Bush Springs averaged three-fourths-inch size with largest stones of two and one-half-inch size by 5:20 PM. Hail paths near Apache and Verden in Caddo County received scattered hail up to one and one-fourth-inch size. Heavier hail in northern Grady County between 5:55 PM and 6:15 PM provided a spotty 20 percent coverage in the Amber, Pocomasset, and Hinda areas with stones up to one- and two-inch size. One-inch size hail fell briefly at Union, Canadian County at 6:45 PM. Last hail up to three-fourth-inch size fell at Guthrie between 7:27 PM and 7:44 PM.
Ralston, Pawnee County	23	8:30p.-9:05p.	?	?	0	0	0	0	Hail
									Hail during period averaged one-half- to three-fourths-inch size with up to 10 percent of the ground covered.
Madill, near, Marshall County	23	9:00p.-9:30p.	12	*12	0	0	0	0	Funnel aloft and hail
									A storm watcher stationed two miles southeast of Madill at the intersection of Highways 99 and 99-C, sighted a funnel aloft two and one-half miles west of Durant moving northeast at about 9:15PM. Hail averaging one-half- to one-inch size pelted the City for about 15 minutes as the heavy rains moved northeast across the City. No damage was reported.
Durant, Bryan County	23	9:30p.	?	?	0	0	0	0	Hail
									Hail up to one and one-half-inch size reported in City. No damage was reported.
Bartlesville, Washington County	23	9:33p.			0	0	0	0	Wind
									High winds gusting up to 55 MPH recorded at Phillips Airport north of City. No damage was reported.
Thackerville, Love County	23	About 9:35p.	6	*3	0	0	?	?	Hail
									Hail up to one and one-half-inch size fell along path from Thackerville to five miles north-northeast. Some damage was reported to trees, gardens and small crops.
McCurtain County	23	About 10:00p.	6	100	0	0	4	2	Hail and wind
									High straight winds estimated at 60 to 80 MPH unroofed a house at Wright City and downed large quantities of timber near Herndon School east of the City with a number of roads being blocked. South of Mount Grove one house was unroofed, a chicken house demolished, and a cow killed. Hail covered the ground up to three inches deep at Carrigrove with stones averaging one-inch size and largest up to three and one-half inches in diameter. Hail damage 60 percent of \$16,960 total, wind 20 percent.
Northern Ottawa County	23, 24	10:00p.-11:00p., 23rd, 1:00a.-1:15a., 24th	15	*6	0	0	?	0	Hail, wind, and 2 funnels aloft

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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) Northern Ottawa County (Cont'd)									Hail moving northeast from Miami provided a spotty coverage of three-fourths-inch size stones across Commerce, Carlin, Fisher, and Quapaw. Accompanying high winds damaged awnings, destroyed a garage, broke several plate glass windows, and downed trees and nine power poles. Storm watchers reported seeing two funnels aloft briefly southwest of Commerce which were moving to the northeast.
Hartshorne, Pittsburg County	23	About 11:25p.			0	0	0	0	2 Tornadoes
									Civil Defense Unit at Hartshorne spotted two small tornadoes on the ground briefly just south of that City. One was reported to be traveling east and the other north. No damage was reported.
Kiowa and Washita Counties	24	4:50p.-5:25p.	12	*5	0	0	?	?	Funnel aloft and hail
									A line of thunderstorms moved northward over the area with a funnel cloud observed five miles west of Hobart about 4:50 PM. Hail up to one inch in diameter was reported in Hobart at 5:10 PM. The storm moved north with hail averaging one-half to three-fourths-inch size reported falling at Sentinel, Custer County, between 5:15 PM and 5:25 PM.
Washita and Custer Counties	24	5:00p.-6:00p.	?	?	0	0	?	?	Hail and wind
									Hail up to three-fourths-inch size fell initially at Clinton-Sherman Air Force Base while the heaviest hail pelted the Foss Community and covered the ground with stones averaging two-inch size, with largest hail up to three and one-half inches in diameter. Wheat was principal crop damaged; some up to 50 and 60 percent. Almost every roof in town damaged; many completely damaged. Numerous automobiles and trailer homes dented badly and some windows were shattered. This storm moved north with three-fourths-inch size hail reported 13 miles north of Foss in an area 5 miles north-northeast of Butler. High winds were reported at Clinton on the east edge of the storm with gusts measured up to 55 MPH at 6:00 PM.
Elk City, Beckham County	24	5:50p., 6:15p.-6:25p.	7	*4	0	0	5	3	Hail
									A brief period of hail at 5:50 PM contained hail up to one-inch size while the main hail storm beginning at 6:15 PM covered the ground in places to a one-half-inch depth with stones averaging one-half-inch size, but with some ranging up to three inches in diameter. Storm moved northeast. Considerable property was damaged even though City was located in the southeast quarter of the storm path.
Woodward County	24	6:30p.-6:40p.	?	?	0	0	0	0	Hail
									Hail was reported in the vicinity located two and one-half miles north of Vici. Hailstones averaged three-fourths to one-inch size and covered 80 percent of the ground with no damage indicated.
Mountain View, Kiowa County	24	6:55p.-7:00p.	?	?	0	0	?	?	Hail
									Hail fell in the area one mile west of Mountain View where stones averaged three-fourths-inch size. Some were one and one-half-inch size while a few of the largest were one and three-fourths inches in diameter and provided a five percent coverage of the ground as the storm moved northwest.
Frederick, near, Tillman County	24	After 7:00p.	?	?	0	0	0	?	Hail
									Hail up to three-fourths-inch size damaged some wheat acreage in the Prime area five miles northwest of Davidson. Storm moved northeast about 25 MPH.
Washita County	24	7:37p.			0	0	0	0	Funnel aloft
									Clinton-Sherman Air Force Base personnel sighted a funnel aloft four miles north of their Base. This funnel moved north-northeast without touching the ground.
Blackwell area, Kay County	25	3:20p.-5:00p.	15	*5	0	0	4	0	4 funnels aloft, hail, and rain
									Ponca City Federal Aviation Agency personnel sighted two funnels aloft at 3:20 PM in the area 10 miles southwest of Blackwell. These had moved northeast to Blackwell by 3:30 PM when a third funnel aloft appeared and three-fourths-inch size hail began falling very thick and heavy over the entire City. Hail up to one and one-half-inch size fell to the north of the City. The three funnels aloft moved northward with the thunderstorm line as new cells continued to build southward. A new cell formed four miles west of Tonkawa and moved northeast. The fourth funnel aloft dropped to within 100 feet of the ground three miles south of Blackwell which moved over the City by 4:40 PM and produced a 50 percent ground cover in the City of three-fourths to one and three-fourths-inch size hail. Heaviest hail fell north of Blackwell where a spotty cover obtained a depth of three inches. Some roof damage was reported in Blackwell as winds gusted to 39 MPH during both hailstorms. Rainfall for the storms totaled 1.93 inches at Blackwell and 3.64 inches at the Blackwell Zinc Plant 1.4 miles west of the Post Office. Total damage from hail.
OKLAHOMA (Cont'd) Tahlequah, Cherokee County	26	4:11p.-4:15p.	?	?	0	0	0	0	Hail
									Hail covered 30 percent of the ground on the west side of the City with hail averaging from one-half to three-fourths-inch size.
Panhandle and Western Half of State	27	Morning - Mid-afternoon			0	0	3	0	Wind and dust
									A secondary cold front moved southeastward across Oklahoma during the morning hours. Winds gusting to 45 MPH kicked up dust in the northwest with visibilities in the Gaymon, Liberal (Kansas), and Gage areas of the Panhandle dropping to one-sixteenth to one-half mile in blowing dust. Blowing dust worked into the State with visibilities cut to one mile in many areas while winds gusted to 40 MPH in Oklahoma City at 2:17 PM. A trailer home under tow along S.H. 51 was turned over and demolished when struck by gusty winds six miles west of Arnett, Ellis County at 11:35 AM.
Northwest Major County	30	About 11:45a.	?	?	0	0	?	?	Hail
									Oklahoma Highway Patrol reported scattered hail ranging up to one-inch size over area.
OREGON									None reported
PACIFIC AREA									None reported
PENNSYLVANIA									None reported
PUERTO RICO									None reported
RHODE ISLAND									None reported
SOUTH CAROLINA									
Northwestern South Carolina	6 - 8	Intermittent			0	0	6	6	Heavy rains
									Heavy to excessive rains, ranging from 3 to over 7 inches, in this period, caused major flooding in the northwestern third of the state. Most streams in the Santee River Basin and in the South Carolina side of the upper Savannah River Basin overflowed their bank, with considerable damage to crops and roads and bridges. Streets in some communities were flooded from the heavy rains.
Pauline, Spartanburg County	7	1:08 pm	1/5	100	0	0	2	0	Tornado
									Moving from west to east.
Elko, 1 mile west, Barnwell County	8	Morning			0	0	2	0	Tornado
Eutawville, Orangeburg County	8	1:12 pm			0	0	2	0	Tornado
Hampton, Hampton County	8	Unknown			0	0	2	0	Tornado
Woodruff, Spartanburg County	24	5:00 - 5:30 pm			0	0	3	4	Hail
									Hail to considerable depth, generally small size but some at 3/4 inch. About 1200 peach trees destroyed.
Taylor, Pelham and Greer areas, Greenville County	24	late afternoon			0	0	3	4	Hail
									Mostly marble size hail; peaches which had survived recent severe freeze substantially damaged.
Spartanburg, 5 miles southwest	28	6:30 pm			0	0			Tornado
									Pilot report. Funnel cloud dipping to the ground and moving north-eastward. Another forming in the same vicinity.
Over Inman Intersection 15 miles north-northeast of Greer, Spartanburg County	28	7:20 pm			0	0			Tornado
									Pilot report. Funnel cloud over Inman Intersection, touching ground and moving northeastward.
SOUTH DAKOTA Eastern part of state	12-13	PM 12th, all day 13th			0	?	4	0	Strong wind, blizzard
									Winds gusting 75 to 85 MPH. Wind caused estimated \$5,000 damage to metal awnings on college campus in Brookings. Blizzard conditions in extreme northeast. Five to six feet drifts reported at Eden.
Western half	26-27				0	?	4	0	Strong wind, snow
									Winds gusted to 81 MPH at Rapid City Airport which is highest recorded since station was established in October 1950. Many telephone and power lines were downed. Mobile homes and aircraft tipped over. Six to eight inches of snow reported at Martin.
TENNESSEE West Tennessee	3	Afternoon and night			0	0	5	?	Lightning and rain
									Severe electrical storms and heavy rains caused damage in numerous locations. Lightning started fires which damaged 4 Memphis homes, burned a large church in the Lapevieu community east of Trenton, Gibson County, and damaged a home in Paris, Henry County. Heavy rains caused local minor flooding, particularly in Gibson County, resulting in damage to roads and erosion of farmlands.

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
TENNESSEE (Cont'd)									
Coalmont, Grundy County	7	5:35 p.							Funnel aloft
									Pilot reported funnel cloud, not observed to reach ground.
Smyrna, Rutherford County	7	6:00 p.							Funnel aloft
									Funnel cloud formed and dissipated overhead, duration 2 minutes.
South Middle and East Tennessee	7-8	Night and early morning			0	0	5	4	Rain and lightning
									Heavy rains flooded many low-lying areas, particularly in Sevier County and the Chattanooga area, but only a few residential areas reported minor damage. Chief damage was to roads, bridges, culverts and erosion of farmlands. Lightning killed 22 cattle 9 miles south of Jamestown, Fentress County, and struck a church in Rhea County which burned.
Onsida area, Scott County	23	Unknown			1	0	0	0	Lightning
									A woman was killed when struck by lightning while working in her garden at Straight Fork community near Huntsville.
Chattanooga area, Hamilton County	28	Afternoon			0	0	5	4	Hail, rain, and lightning
									Hail up to 2 1/2 inches in diameter was reported in South Chattanooga during thunderstorms which also caused flash flooding. Chief damage was to roofs, gardens, and other plants, with minor damage to trees and utilities.
Cleveland area, Bradley County	28	4:15 p.			0	0	5	3	Hail, rain, and lightning
									Large hail and heavy rain during thunderstorms caused extensive damage. Chief damage was due to flooding of businesses, industrial plants, schools, and numerous homes. Also damaged were utilities, roads, bridges, and crops.
TEXAS									
Wichita Falls, Wichita Co.	3	2:35 p-3:05 p	5.6	500	7	111	7	?	Tornado
									A very large tornado struck the northwest section of Wichita Falls and Sheppard Air Force Base killing seven persons and injuring 111. Property damage was estimated at \$15 million. The tornado first touched ground near the intersection of Farm Road 369 and Seymour Highway. It moved northeastward across Highway 287 into the Sunset Terrace addition, then across the Red River Expressway into the Lincoln Heights addition and Sheppard Air Force Base. The awesome freight train like sound was audible from the Weather Bureau Airport Station. Property damage included 225 homes destroyed, 50 suffered major damage, 200 suffered minor damage, and 16 other buildings received major damage. Damage to city property was estimated at \$5 million; damage to Sheppard Air Force Base, \$10 million. Along the tornado path, the area of total destruction was 100 to 200 yards wide with lesser damage up to 500 yards. The tornado lifted before reaching the SAC area of Sheppard AFB.
Byers, near Clay Co.	3	3:53 p	?	?	0	0	0	0	Tornado
									Tornado observed on the ground near Texas-Oklahoma state line northeast of Byers.
6 S Graham, Young Co.	4	12:10 p-1:30 p							Funnel aloft
									The funnel moved in a northeasterly direction.
Henderson Co.	5	2:45 a-3:15 a	?	?	0	2	5	?	Windstorm
									A violent windstorm caused an estimated \$250,000 property damage and injured two persons as it raked Henderson County from one end to the other. The injured were from flying glass. The storm moved into the County along Highway 81 in a southwesterly to northeasterly direction. It struck first at Trinidad, then Malakoff, Athens, and Brownsboro. The Red Cross counted 12 dwellings destroyed, 20 with major damage, and 150 with minor damage. Farm buildings destroyed, 15; major damage, 13; minor damage, 12; other buildings damaged, 12. One woman was cut by glass, when her trailer house overturned at Henderson. Another woman at Athens was cut by glass when her trailer house overturned.
Mineola and Wood Co.	5	3:00 a-4:00 a	20	*1	0	0	5	0	Tornado
									A tornado cut a path of destruction approximately 20 miles long and one mile wide through Wood County causing an estimated \$100,000 damage. The most extensive damage was in the west section of Mineola. The entire wall of a cafe was blown out and the roof collapsed. The roofs of a tourist court were severely damaged as the tornado picked up the buildings from their foundations, then dropped them. Two garages, one a half block, and the other a block west of the cafe were demolished and the debris strewn for more than a quarter of a mile. One home was lifted from its foundation and one wall nearly blown out. A boat beside the house was wrapped around a tree. Many barns and sheds were unroofed and trees uprooted as the tornado moved from southwest to northeast across Wood County. A witness reported the tornado "sounded like a freight train roaring toward my home."
Kilgore, Gregg Co.	5	4:00 a-4:45 a	?	?	0	0	4	0	Windstorm
									Strong thunderstorm winds lashed Kilgore, toppling at least six oil derricks. Trees and utility poles in the residential section were blown down. Damage was estimated at \$10,000.
Palacios, 30 SE Matagorda Co.	14	7:00 a							Waterspout
TEXAS (Cont'd)									
Austin, Travis Co.	16	afternoon							Funnel aloft
									A funnel aloft passed over the intersection of South Congress Avenue and Interstate 35 south of Austin. At Pleasant Hill to the south, witnesses spotted debris in the cloud, presumably snatched off the ground somewhere in its path.
Del Rio, 9 MW Val Verde Co.	16	9:55 p	short narrow	0	0	?	0	?	Tornado
									A tornado touched ground at the Devil's River highway bridge under construction in the Amistad Reservoir area about 9 miles north-northwest of Del Rio. The tornado toppled four girders off the bridge piers where they had been placed to be bolted. Each steel girder is approximately 80 feet long and weighs 35,000 pounds. Twelve utility poles in the area were damaged. One was lifted completely out of the ground.
Harris Co.	17	1:30 p-2:00 p	?	?	1	2	?	?	Tornado, windstorm
									One woman was crushed to death and two other persons injured when a tornado overturned their trailer house on Gault Road in Aldine, in the north part of Harris County. Several hundred homes and buildings were damaged by high winds in the northern and eastern sections of Harris County as a squall line moved through the area. Trees and utility poles were blown down. Winds were measured at 92 miles per hour at the Shell Oil Company refinery in Deer Park. Golf ball size hail accompanied the storm.
Petrolia, NW Clay Co.	20	5:20 p-6:10 p	10	*3	0	0	?	?	Hailstorm, funnel aloft
									A hailstorm caused heavy damage to property and crops northwest of Petrolia. Average hailstones were one inch in diameter with largest stones 1 3/4 inches in diameter. A funnel cloud was observed aloft about five miles east of Petrolia.
Eyers, Clay Co.	20	6:10 p-6:45	?	*9	0	0	4	?	Hailstorm
									A hailstorm caused an estimated \$50,000 damage to property in Eyers. Hailstones averaged two inches in diameter. The hail completely covered the ground. Damage was to roofs, windows, and automobiles. Forty windows were knocked out of the school building. Damage to the wheat crop was estimated to be between 75 to 100 per cent in an area of 10 to 12 miles radius of Eyers.
Comanche, Comanche Co.	21	morning	?	?	0	0	?	?	Hailstorm, windstorm, and rain
									A pre-dawn thunderstorm brought considerable damage to Comanche from egg-size hail, high winds, and a deluge of rain that measured two inches in slightly more than an hour. Most severe damage was in the western sector of the city. Winds blew out the west section of the Comanche Trailer Corporation building and scattered sheet iron over a wide area. A section of roof on a two-story motel was blown off. Insurance adjustors verified roof and water damage from all sectors in Comanche. While the City of Comanche received some hail damage, an area three miles to the east in upper Indian Creek community was swept by a heavy hailstorm that wrought almost total destruction to pecan orchards and crops.
Midlothian, 6S Ellis Co.	21	afternoon	?	?	0	0	3	0	Windstorm, funnel aloft
									A funnel cloud aloft was observed about six miles south of Midlothian. Strong winds associated with the same storm demolished a barn and damaged several others. Numerous trees, small sheds, and a few utility poles were also damaged by the high winds. Three and one half inches of rain accompanied the storm.
Lake Dallas, Denton Co.	22	6:50 p-7:40 p	8	*5	0	0	4	3	Windstorm
									Winds estimated at 70 mph caused an estimated \$5,000 property and \$4,000 crop damage along a 5 mile strip from Lewisville northwestward along Lake Dallas. A car wash facility in downtown Lewisville was destroyed. Several barns and sheds were demolished, and signs and television antennas knocked down in the storm area. Grain crops suffered damage in the vicinity of Hedron.
Pecan Gap, near Delta Co.	22	8:00 p-8:30 p	7	?	0	2	4	0	Tornado
									Two persons were injured when a tornado destroyed their home south of Pecan Gap. The tornado moved from about three miles south of Pecan Gap to two miles northeast of Pecan Gap. Near the Jet-em-Down community, one home was blown away with all the farm's outbuildings plus a tractor and two automobiles. East of Pecan Gap one unoccupied home was blown completely away without leaving any debris in the area. The tornado cut several trails through wooded areas and across open land as it bounced from side to side and up and down, skipping over the area.
3 W Paris, Lamar Co.	23	7:19 a-12:00 a	25	100	0	0	4	0	2 Tornadoes
									A tornado dipped to earth about three miles west of Paris partially unroofing the Harvey C. Dimply residence. A carport and about half the roof of the home were ripped off. A short distance west, the storm lifted a garage from its moorings and deposited it atop a storm cellar. An automobile in the garage when it was moved was not touched. The tornado cut a path northeastward for about 25 miles. A second tornado blew down the Lone Star School building about 18 miles northeast of Paris. It was unoccupied. This tornado continued toward the Stovall Ranch where it damaged several buildings.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

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) Coleman, 2 SE Coleman Co.	23	3:46 p	?	?	0	0	0	0	Tornado A small tornado struck open ranch land two miles southeast of Coleman.
Fort Worth Tarrant Co.	23	4:30 p			0	1	0	0	Lightning A worker repairing a metal sign from a 45-foot high perch received minor injuries when the sign was struck by lightning.
Dundee, 6 W Archer Co.	23	4:30 p- 4:50 p	?	100	0	0	2	0	Tornado Tornado stayed on ground about 20 minutes then lifted. Some damage to fences and utility poles; a few trees were uprooted. One calf killed and one cow injured were only casualties. The tornado moved from southwest to northeast. Hail up to golf ball size accompanied the storm.
Near Westminster Collin Co.	23	5:25 p							Funnel aloft
Fort Griffin Stephens Co.	23	afternoon							Funnel aloft
Tuscola Taylor Co.	23	afternoon	?	?	0	0	4	0	Hailstorm Marble to softball size hail severely damaged roofs on about 130 homes in the Tuscola community. Damage was estimated at \$25,000.
Valera, near Coleman Co.	23	evening	?	?	0	0	?	?	Tornado Just south of Valera, a tornado unroofed a barn, demolished several outhouses and uprooted a large tree at the Masgen farm. Moving northeastward, the tornado caused extensive property damage to property on the Spain and Hunt farms just south of Coleman. At the Spain farm, a large steel granary was picked up and carried about 300 yards before it was dropped and demolished. Water was sucked up from a stock tank and carried away. At the Hunt farm a host of a tank was carried away from the water and dumped in the house 400 yards distant. The roof of the house was lifted off and dumped in the tank.
Fannin Co.	23	night	?	?	0	0	?	?	Hailstorm Crops were severely damaged, roofs punctured, and glass windows were shattered in a wide area around the Randolph community. Randolph appeared to be about the center of the damaged area with the hail extending about two miles in each direction. Wheat, cotton and gardens were beat into the ground with only stubs left standing. Hundreds of window panes were broken and screens ripped by the fall. Largest hailstones were estimated to be the size of tennis balls.
Jefferson, 4 N Harrison Co.	24	4:30 a	3/4	?	0	0	?	?	Tornado, hail, funnel aloft A tornado struck a rural area four miles north of Jefferson. One barn was carried away by the wind and several power line poles were blown down. Several homes and other buildings were damaged from heavy hail that accompanied the storm. A funnel cloud passed over the Waskom community without touching the ground.
Brownwood, near Brown Co.	24	2:10 p- 2:30 p	2	400	0	0	4	3	Tornado, hailstorm A tornado formed just east of Early on the outskirts of Brownwood, then traveled aloft east along U. S. Highway 67 before dropping to the ground just west of the H. C. Williams Service Station. The funnel traveled approximately two miles on the ground, leaving a path of scattered debris, twisted trees, and frightened but unharmed residents. Most damage along the path of the storm was to barns and outbuildings. Heaviest damage was at the Wine farm where four barns were destroyed. Brownwood, Bangs, and Coleman (Coleman Co.) were battered by hail ranging in size from one-half inch to as large as eight and one-fourth inches in circumference. At Early, more than 400 window panes were broken. Hailstones the size of tennis balls were reported in the area. Brownwood Floral Company reported about 20 per cent of glasses in its greenhouses broken by hail. Hailstones as large as tennis balls were reported in a 45 minute storm in Coleman, and almost every roof in Bangs was damaged by the large ice chunks.
Vernon, 18 S Wilbarger Co.	24	4:00 p- 4:05 p	1	100	0	0	3	0	Tornado A tornado touched ground in open pasture on the Waggoner Ranch causing damage to fences and utility poles. The storm moved from southwest to northeast.
Near Mineral Wells Palo Pinto Co.	24	4:30 p- 4:40 p	?	?	0	0	?	?	Hailstorm The Brazos Valley area near Mineral Wells suffered an estimated 50 per cent loss to crops, and roofing of houses and barns were severely damaged by hail reported about golf ball size. Hail measuring six inches in circumference was reported at the Estill residence. At Seybold's Guest Ranch and about five miles west of Mineral Wells hail three inches in diameter was reported.
Comanche Co.	24	4:40 p	?	?	0	1	?	?	Tornado A tornado struck near the Mercer Gap community in southern Comanche County. One man was injured when the tornado picked up the truck he was driving, turned it upside down, and pulled it across the road. He was pinned in the vehicle about an hour before being rescued.
Wichita Falls Wichita Co.	24	5:15 p	?	?	0	0	?	?	Hailstorm Golf ball size hail fell in downtown Wichita Falls. Largest hailstones measured nine inches in circumference. Heavy rains accompanied the storm through Wichita County. Three to six inch rains were common from Iowa Park to the Kanay area.
Dublin Erath Co.	24	afternoon							Funnel aloft

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) 10 W Hamilton Hamilton Co.	24	afternoon	?	?	0	3	?	?	Tornado A tornado touched ground about 10 miles west of Hamilton. An automobile was lifted off a bridge and slammed into the ground, injuring its three occupants.
Arlington Tarrant Co.	24	afternoon							Funnel aloft
Near Fort Worth Tarrant Co.	24	7:30 p							Funnel aloft
Olney and Young Co.	24	7:45 p	?	?	0	0	?	?	Hail, wind, and funnel aloft A funnel cloud moved overhead across Olney from west to east, creating the typical roaring noise made by a fast freight train. High winds associated with the storm ripped roofs and shattered plate glass windows in the downtown section. The most costly aspect of the storm was the damage done to ripened wheat in the area. In a band north and northwest of Olney, high winds and hail inflicted severe damage to wheat crops in their last month of growth. Some farms received damage between 80 and 100 per cent. Wheat loss was estimated at "tens of thousands" of dollars. In the Loving area, the home of L. D. Cullers was completely destroyed. However, the Cullers family was completely unharmed.
12 E Decatur Wise Co.	24	8:45 p- 9:00 p	?	?	0	0	?	?	Hailstorm Severe hailstorm caused extensive property and crop damage from about 12 miles east of Decatur toward Denton on the north side of Highway 24. Many stones were six inches in circumference, with the largest hailstones nine inches in circumference.
McGregor McLennan Co.	24	9:00 p	?	?	0	0	1	0	Windstorm A windstorm struck the McGregor area and caused at least \$20,000 damage to two farms. Five large chicken houses at the Nelson Hatchery were destroyed, while a barn and tractor shed were destroyed and another shed damaged at the Joe Allen farm. Telephone poles for about three miles on both sides of U. S. Highway 84 were blown down by the high winds.
Denton Co.	24	night	5	5	0	0	?	?	Hailstorm Hail damaged wheat and cotton crops from 20 to 70 per cent of the crops value in isolated areas in Denton County. Some buildings and homes received damage. For the most part the hail was pebble-size, but at Slidell it banged through roofs and windows and measured over 12 inches in circumference. A 5 by 5 mile strip north of Celina received heavy damage as did another smaller strip about two miles north of Navo.
4 N Jefferson Marion Co.	25	5:00 a	1	narrow	0	0	3	0	Tornado Tornado struck in rural area north of Jefferson causing minor damage to several farm homes and buildings.
Gillespie Co.	25	4:30 p- 5:30 p	?	?	0	0	?	?	Hailstorm, windstorm Hail and high winds caused considerable damage to garden, field, and fruit crops in scattered sections of Gillespie County. Hail ranging in size from peas to hen eggs covered the ground in the stricken areas, and grain producers in the lower part of the County near Stonewall suffered about 20 per cent damage. Some peach orchards just west of Stonewall were heavily damaged. Some damage to roofs and signs was reported in Fredericksburg. About 5 1/2 miles northeast of Harper, hail severely damaged peach trees, sudan grass, corn, and barley crops. A few hailstones in the Harper area were as large as baseballs, while most ranged in size up to golf balls.
Round Rock Williamson Co.	25	7:00 p	?	?	0	0	?	?	Hailstorm Hail up to golf ball size fell in Round Rock; however, damage was not heavy.
Kingsland Llano Co.	26	4:00 a- 5:00 a	2	3/4	0	0	?	?	Hailstorm Hail averaging 3/4 inch in diameter fell in the Kingsland community. Largest stones were one inch in diameter. Winds estimated at between 50 and 60 miles per hour accompanied the storm.
Manfield Tarrant Co.	26	5:30 a							Funnel aloft
Round Rock, 2 N Williamson Co.	26	6:00 a			0	0	?	?	Tornado A small tornado destroyed several barns and sheds on farms about two miles north of Round Rock. The tornado moved in an easterly and southeasterly direction across Highway 61. Several trees were uprooted and an elevated water tank was blown down.
Near Center Shelby Co.	26	10:30 a- 12:00 p	?	?	0	0	4	0	3 Tornadoes A tornado touched ground in the Aiken community, 12 miles southwest of Center on the Nacogdoches Highway. Several roofs were heavily damaged, trees were uprooted and power lines were knocked down. The tornado funnel lifted, moved northeast, then touched ground again in the edge of Center. The tornado unroofed a barn, peeled a carport off the side of a house, and unroofed an adjoining storage room. The light meter was torn from the outside wall and dropped through the roof of the house into the den. A second tornado touched ground nine miles south of Center destroying a chicken house, and knocking down power lines. A third tornado touched ground three miles northwest of Center, but caused little damage.

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

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) Port Arthur Jefferson Co.	26	3:00 p	?	?	0	0	4	0	Windstorm
									Severe thunderstorm winds caused scattered property damage in the Port Arthur area. Most of the damage was in Port Arthur where a house roof was blown off and onto the roof next door. A large skating rink tent and floor was also extensively damaged in the same area. At the DuPont plant near Orange, wind gusts of 88 miles per hour were recorded.
UTAH Utah, Salt Lake, Davis and Weber Counties	3	Afternoon Evening			0	4	4	0	Wind
									Strong damaging winds along the Wasatch front in northwestern Utah did considerable damage. Gusts over 60 MPH at both Ogden and Salt Lake City blew trucks and trailers off Highway 21. One man working on the new Federal office building at Ogden was blown off and fell 25 feet. Roofs of buildings and walls under construction were seriously damaged at Centerville and Hill Field. Several people were injured by debris.
Utah, Salt Lake, Davis and Weber Counties	11	Afternoon Evening			0	3	4	0	Wind
									Strong damaging winds struck again along the Wasatch front, blowing trees across autos, damaging light aircraft and buildings from Provo northward. Several people were injured by falling debris.
VERMONT									None reported
U. S. VIRGIN IS.									None reported
VIRGINIA Richmond Area	20	8-9PM			0	1	0	0	Wind
									Isolated thunderstorm with gusty winds up to 40 MPH brought minor wind damage. One person injured by falling limbs.
WASHINGTON WEST VIRGINIA Statewide	19-20	1300-1800E.			0	0	3	2	Wind, Hail, Lightning
									Violent thunderstorms, gusty winds and hail up to 1 1/2 inches in size signalled the northward movement of warm moist tropical air as it clashed and interacted with the modified arctic air overlaying the State. Outstanding manifestations of these storms as they affected individual cities are noted below: 19 Gordon, 26 miles south of Charleston, had roof damage from 1 1/2 inch hail. Pax, 7 miles north-northwest of Beckley, also reported unusually large hailstones which caused window breakage, roof damage and some damage to crops and fruit trees. 20 Buckhannon reported \$500 damage to a church by a lightning-induced fire. Morgantown and Wheeling had some road slides, road flooding and flooded basements from cloudbursts. Parkersburg reported minor wind damage to wires and TV antennas. Air operations were affected to a minor degree but no damage was reported. Elkins airport had wind gusts from a thunderstorm up to 50 knots. A pilot near Martinsburg reported 3/4 inch hail near a thunderstorm.
WISCONSIN Milwaukee 15N	6	7:45 PM							Hail
									3/4 inch diameter
State	13-14				1	many	6		Wind
									Strongest statewide winds on 2 consecutive days in recent history. Gusts over 60 mph in all sections of the state on both days. Damage to buildings, airplanes on the ground, antennas, signs, trees.
Southern Counties	21	afternoon					5		Wind
									Gusts over 50 mph. Damage to buildings, but major damage to roofs and trees.
WYOMING Statewide	12, 13				0	0	*5	C	Wind
									Throughout both days very high winds with strong gusts did widespread damage to property and crops. In no isolated instance was damage large. Crop damage was limited to plowed fields and wheat fields.
Pavillion	23	12:30 p	?	?	0	0	4	0	Tornado
									Tornado struck farm 3 miles south of Pavillion doing damage to farm buildings and house. Direction and size were not noted by farm occupants.
Statewide	27				0	0	*5	C	Wind
									Throughout the day very high winds with strong gusts did widespread damage to property and crops. In no isolated instance was damage large. Crop damage was limited to plowed fields and wheat fields.
ILLINOIS West-central Illinois	2	4-10p			0	5	6	0	Wind, hail and lightning
									Squall line thunderstorms formed in west central Illinois by late afternoon. Hail up to 1 1/4" covered ground 4 miles SW of Jacksonville at 4:30p.m. Golf ball size hail fell at Winchester. Hail from 1/4" to 1 1/4" fell in several spots in Sangamon County. In Southlawn area of Springfield there were four hailstorms lasting 3-5 minutes each between 3:20 and 6:30 p.m. Pea size hail was reported in first fall, 1/2" in second, 1 1/4" in third, and 1/2" in fourth. Hail, wind and lightning damage was
ILLINOIS (Cont'd)									
									common as the squall line moved southeast. About 7:50p. high velocity winds left a narrow path of damaged trees, destroyed outbuildings and damaged homes in a 4 mile SW-NE path near Plainview in Macoupin County. Severe thunderstorms hit St. Clair and Madison Counties about 8:45 p.m. Hail as large as hen's eggs shattered neon signs and greenhouses. Most east-side communities had considerable damage as buildings were unroofed by high winds and damaged by broken limbs, trees and other debris. Exceptionally strong winds caused concentrated damage along a narrow path through a portion of Caseyville. Only minor injuries were reported. Hail as large as oranges was reported near Lakeside Airport in Madison County at 9:40 p.m.
Decatur	2	6:23p	1/4	10	0	0	2	0	Tornado
									Funnel cloud was sighted 4 miles south of Decatur and pictures of it taken by TV station. Path could be traced across an open field. Only apparent damage to a small grain storage bin.
Sangamon County	2	6:45 - 7:10p	6	50-100	0	0	4	0	Tornado, lightning
									Funnel cloud sighted for 4 or 5 miles before touching ground. After touchdown the movement was northeast about 15 mph. First damage about 1/4 mile south of New City and ended at Breckenridge. A pump and well platform were reportedly "sucked" from top of a masonry well casing. One house struck by lightning. Debris scattered 1/2 to 3/4 mile to right of tornado path proper.
Montgomery and Christian Counties	2	7:45p	5 1/2	20	0	1	4	0	Tornado
									First damage to farmhouse and outbuildings about 4 miles ESE of Farmersville in Montgomery Co. About 1/4 mile to NE the Lone Elm School was unroofed while about 25 persons were inside. Only one minor injury. Coalhouse and heavy lumps of coal were carried to northwest with major debris to northeast. About 1/4 mile further hog-houses were carried southeast as tornado continued northeast. Path of damage was traced to 2 miles NW of Morrisonville in Christian County.
Central Illinois	6	evening			0	0	4	0	Wind & hail
									Three small buildings destroyed 4 miles north of Manito (15 SSW PIA) and 1/4" hail 55 PIA. Local damage also 17 MSW MPW and at spotted points through 75 mile wide area south of Moline-Chicago line.
Jackson County	13	12:45a			0	0	?	0	Hail
									1" hail reported at Gorham in Jackson County
Northwest Illi- nois	13	early morning			0	0	4	0	Wind
									Wind damage through much of northwest Illinois. Damage heaviest in La Salle-Ferri area which was first hit at 2:30 a.m. and again at 6 a.m. Several power failures, house trailer overturned, trees, roofs, plate glass windows, TV antennas and a few homes damaged.
Joliet	18	7:30a			1	0	0	0	Lightning
									An inmate of Honor Farm at Illinois State Penitentiary was killed in barnyard when struck by lightning.
Champaign County	18	8-8:30a			0	0	?	0	Hail
									3/4" to 1" hail reported near Champaign
Du Quoin	19	3:30p			0	0	*5	C	Hail and wind
									Hail as large as golf balls damaged roofs, paint, neon signs, windows and garden plants. Lesser damage to buildings from high winds and rain leaks after hail.
Central Illinois	19	8-9:30p			0	0	?	?	Hail
									Numerous thunderstorms with large hail during evening. 2" hail for 45 seconds at Jacksonville at 8 p.m. was followed by smaller hail; 1" hail 15 S UIN before 9 p.m. hail larger than golf balls at Chatham (10 S SBI) at 9 p.m.; large hail at Taylorville at 9:20 p.m.
Champaign and Vermillion Counties	20-21						*5	C	Local Flooding
									Heavy rains as much as 5 to 7 inches in 3 days, caused local flooding in parts of central Illinois. Urbana-Champaign and Danville, along with smaller communities in Champaign and Vermillion Counties, had greatest damage. There was considerable loss of topsoil along with damage to buildings and contents.
McDonough County	21	3:30a	14	10-20	0	0	4	0	Tornado
									Tornado moving northeast first touched about 4 miles SW of Macomb but lifted in less than 1 mile. Then no sign of tornado damage for 7 miles. A 6 mile path, in direct line with first path, began about 3 miles east

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1964

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					KILLED	INJURED	PROPERTY	CROPS	
ILLINOIS (Cont'd)									
Central Illinois	21	3-6a.			0	0	6	0	Wind, lightning
<p>of Macomb and continued NE to State Highway #41. Farm buildings were badly damaged or wrecked, one home destroyed and another extensively damaged.</p> <p>A severe squall line caused extensive damage through much of central Illinois. Wind damage was greatest in McDonough, Fulton, La Salle, McLean, Peoria and Sangamon Counties. Farm buildings were wrecked, one airplane destroyed and five other planes and a T-hangar damaged near Canton. Northwest Peoria was struck about 4:30 a.m. Two houses were destroyed and 25 others had major damage. Springfield had both lightning and wind damage about 5 a.m. Major damage was to Matherly School when a chimney, probably struck by lightning, fell through the roof. Several lightning strikes were also reported in Morgan and Christian Counties with some livestock killed and buildings damaged. Bloomington-Normal was hit about 5:10 a.m. with local flooding in addition to wind damage to trees, roofs, billboards, carports and utility lines. A concentrated path of damage occurred near the south edge of Ottawa about 5:10-5:20 a.m.</p>									

^o 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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