

APRIL 1977

VOLUME 19

NUMBER 4

STORM DATA



"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801."

Daniel B. Mitchell

DIRECTOR
NATIONAL CLIMATIC CENTER

noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
Tuscaloosa County	4	9:40a	0	0	0	0	4	0	Windstorm
A severe thunderstorm caused some damage to a church and brought down some trees 11 miles northwest of Tuscaloosa.									
Cullman County	4	11:12a	6	200	0	3	4	0	Tornado
A small tornado touched down near the Hanceville community and traveled east northeast to the community of Center Hill. Many trees were uprooted and snapped off. Two mobile homes destroyed and standard homes had major damage.									
Jackson County	4	12:20p	2	100	0	1	5	0	Tornado
Small tornado associated with severe thunderstorms touched down near the community of Section damaging 16 homes and 4 farm buildings.									
St. Clair County	4	12:30p	1/2	20	0	0	5	0	Tornado
Mini tornado briefly touched down near the community of Ragland destroying two houses and causing major damage to three homes.									
Jefferson County	4	1:55p	0	0	0	0	0	0	Hail
Golf ball size hail associated with a severe thunderstorm near Warrior.									
St. Clair County	4	2:00p	3	80	0	0	5	0	Tornado
Small tornado briefly touched down near the community of Springville destroying one home and 5 barns and causing major damage to 4 homes and 5 barns.									
St. Clair County	4	2:30p	7	150	1	0	5	0	Tornado
Tornado touched down near the community of Ashville and traveled northeast along highway 411. One house destroyed and two with major damage. Three mobile homes, seven barns, and one small business all destroyed.									
Etowah County	4	2:30p	5	150	0	4	5	0	Tornado
Small tornado touched down near the southside community destroying 3 houses, 6 mobile homes and 17 farm buildings. Nine homes had major damage.									
Cherokee County	4	2:55p	0	0	0	2	4	0	Wind Storm
A severe thunderstorm near Bay Springs destroyed one mobile home and overturned another.									
Jefferson County	4	3:00p	15	550	22	130	7	0	Tornado
A powerful tornado touched down about 4 miles northwest of downtown Birmingham. It moved northeast at 60 miles an hour finally lifting just east to the city of Tarrant. At its widest point it was 3/4 of a mile. 167 homes were destroyed and 48 had major damage. Daniel Payne College was badly damaged with dollar estimates around 1.3 million. Total storm damage amounted to 15 million dollars.									
Jefferson County	4	3:05p	0	0	0	0	0	0	Wind Gust
Wind gusted to 71 mph at the Birmingham Municipal Airport during a severe thunderstorm.									
Walker County	23	1:45p	0	0	0	0	0	0	Hail
Golf ball size hail associated with a severe thunderstorm near the community of Oakman.									
ALASKA									
Southcentral	10-12				0	?	5	0	heavy snowfall
3 days of steady snowfall with totals of 8 to 20 inches over the Kenai Peninsula and Susitna Valley, including Anchorage, caused very poor road conditions in the area. Many vehicles were stranded on the Willow Road on the 12th; many vehicle accidents were attributed to the snowstorm.									
Southcentral and Kodiak Island	14-15				0	?	4	0	wind
A rapidly strengthening storm moved northeastward into the northern Gulf of Alaska late on the 14th. 50 knot winds were common around the storm over the Gulf of Alaska, Kodiak Island and the North Gulf Coast. Winds unofficially reported at 200 miles an hour closed the Thompson Pass section of the Richardson Highway into Valdez on the morning of the 15th.									
ALASKA (continued)									
Copper River Basin	26				0	?	4	0	wind
A deepening low pressure area centered just south of Prince William Sound combined with a strong ridge of high pressure that had been building eastward from Siberia into the Alaska Interior caused strong north winds through mountain passes and over exposed terrain of the Copper River Basin. Wind speeds of 50 knots were reported in and near mountain passes. Heavy drifting snow caused by the wind closed the Richardson Highway between Big Delta and Glennallen for most of the day.									
ARIZONA									
NONE REPORTED.									
ARKANSAS									
North Little Rock - Pulaski County	18	4:04 a.			0	0	5	0	Lightning
Thunderstorms moving through the area produced lightning that set fire to a residence in North Little Rock. The interior of the home was gutted. Damage was estimated at 50 thousand dollars.									
Western Little Rock - Pulaski County	19	5:38 a.			0	0	4	0	Lightning
Thunderstorms moving through the Little Rock area produced lightning that set fire to a residence in the western portion of town. Damage was estimated at over 40 thousand dollars.									
Near Marvell - Phillips County	19	6:00 p.			0	0	?	?	Hail
Strong thunderstorms produced golf ball sized hail near Marvell as they moved northeastward through the area.									
5 Miles Northwest of Paris - Logan County	21	1:15 p.							Funnel Cloud
A funnel cloud was reported by the public moving toward the east. Small hail was also in the Paris area at that time.									
Near Caulksville - Logan County	21	3:10 p.							Funnel Cloud
Public reported a funnel cloud moving toward the east.									
5 Miles East of Lonoke - Lonoke County	22	4:20 p.	**	20	0	0	0	0	Tornado
A tornado moving north touched down briefly in open country. One-quarter to one-half inch hail also fell in the area. No damage was reported.									
Western Portions of Greene and Craighead Counties	22	4:45 p. to 5:15 p.							Funnel Clouds
Several funnel clouds were reported by the public in the western portions of these counties. Movement was toward the north.									
CALIFORNIA									
NORTHERN & CENTRAL									
NONE REPORTED									
CALIFORNIA SOUTHERN									
Inyo County	8	1030 to 1245			0	0	?	0	Wind
Mammoth Airport was closed due to winds gusting up to 75 MPH.									
COLORADO									
Eastern foothills	2,3				0	0	0	0	Heavy snow
12 inches of snow fell at Longmont, Boulder and Broomfield. The Denver-Boulder turnpike was closed for an hour after numerous minor traffic accidents occurred. The Rye community southwest of Pueblo received two feet of snowfall. Several inches of snow fell at Walsenburg and La Veta Pass.									
Monte Vista	11	1100			0	0	?	?	Hailstorm
Marble to golf ball size hail was reported from Del Norte to the west of Monte Vista.									
Colorado Springs	11	1357	1	100	0	0	5	?	Tornado
Tornado on ground one mile southwest of Colorado Springs Municipal Airport. It moved northeast at 20 mph, destroying five mobile homes. One light aircraft was extensively damaged by wind-driven object. Six other light aircraft were damaged by hail. Sixteen vehicles had windshield damage due to pressure change.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
COLORADO (continued)									
Sugar City	13	1510	5	30	0	0	3	?	Tornado
Tornado picked up two 2500-bushel grain bins. One hit an automobile. The other traveled about 100 yards into an open field. Hail of 1/4 to 1/2 inch diameter occurred for about half an hour with the storm. A machine shop and garage were destroyed, with one roof being carried 200 feet up into the air. No further damage was reported by sheriff driving 10 miles to the northeast. Two other funnel clouds were sighted together near this tornado, but they dissipated rapidly.									
Pueblo	18	1800-2100			0	0	4	4	Flash flood
Eight families were evacuated in Avondale (8 miles ESE of Pueblo) as water three feet deep entered homes. Roads were washed out in a few places, with over 10 inches of water on roads at times.									
Rocky Ford	29	1900-2400			0	1	3	3	Hailstorm, flood
Drifting hail and local flooding caused a home to explode, with one person injured in escape. About two inches of rain fell in less than one hour.									
CONNECTICUT									
Enfield	3	Morning			0	0	4	0	Wind
Strong winds behind a passing low pressure system blew down many trees one of which was a 35 foot maple that fell onto a moving car.									
DELAWARE									
Sussex County	26	12:15 p			0	0	3	0	Wind
Local windstorm snapped two utility poles near Frankford, disrupting power for some 2,000 customers of power & light company. Estimated damage: \$600-\$800.									
Northern Portion	26	4:00 p			0	0	0	0	Hail
Golfball-sized hail reduced traffic to a crawl on Interstate 95.									
FLORIDA									
OKALOOSA AND WALTON COUNTIES	4	9:45 PM CST			0	0	3	0	WINDSTORM
A COLD FRONT MOVING RAPIDLY EASTWARD ACROSS THE FLORIDA PANHANDLE WAS ACCOMPANIED BY LOCALLY STRONG WINDS WHICH DAMAGED ROOFS AND DOWNED TREES IN SOUTHERN OKALOOSA COUNTY AND NORTHWESTERN WALTON COUNTY. TOTAL DAMAGE WAS LESS THAN \$5000.									
HILLSBOROUGH COUNTY	5	10 AM EST			0	1	4	0	WINDSTORM
A COLD FRONT MOVING RAPIDLY EASTWARD FROM THE GULF OF MEXICO WAS ACCOMPANIED BY LOCALLY STRONG WINDS. GUSTS WERE ESTIMATED 45 MPH NEAR DOVER AND A TRAILER PARK NEAR BUSKIN SUSTAINED \$7000 DAMAGE. A WOMAN WAS INJURED WHEN A GARPORT COLLAPSED AND STRUCK HER HEAD AS SHE WAS CLEANING UP DEERIS.									
GEORGIA									
Whitfield County	3	12:30 a			0	0	4	4	Wind
High winds caused equal amounts of damage to property and timber totaling nearly \$38,000.									
Rome,	4	4:12 p			0	0	u	u	Hail
Golf ball sized hail reported in west Rome (5 miles from downtown). No damage reports received.									
Lindale, Floyd County	4	4:13 p	20	400	1	15	6	4	Tornado
Tornado touched down 13 miles SW of Rome and travelled east-northeast near 60 mph. Small town of Lindale in southern Floyd County hardest hit. One man killed as he slept in his mobile home in a mobile home park which was severely damaged. Only 1 of injured required hospitalization. Civil Defense reported: 4 houses destroyed and 20 heavily damaged; 12 mobile homes destroyed and 9 heavily damaged; 3 hairy farms heavily and 4 farms with moderate damage; several Georgia Power Transmission towers torn down.									
Bartow County	4	4:30 p	6	100	0	0	5	4	Tornado
Tornado moved through northern Bartow County from Adairsville to Folsom damaging timber, destroying 3 homes, 3 mobile homes 7 service buildings and 8 chicken houses and damaging a similar number of each. Moved ENE, 60 mph. Wind damage widespread in county.									
GEORGIA (continued)									
Murray County	4	4:45 p	2	100	0	0	5	2	Tornado
Striking in the Ramhurst community, the tornado destroyed a grit mill, 2 mobile homes, 10 service buildings, 2 chicken houses and damaged 2 homes.									
White County	4	5:15 p			0	0	5	4	Wind
Strong winds caused an estimated \$12,000 loss to timber; destroyed 6 service buildings and damaged 22 others; destroyed 4 poultry houses and damaged 2 others. Trees blown across homes and roads.									
Hambersham County	4	7:00 p			0	1	5	5	Wind
Most damage to northern part of county. Over \$100,000 loss to timber, pasture and small grain. Property damage mostly to farm buildings and chicken houses.									
Lumpkin County	4	8:00 p	5	400E	0	2	5	5	Tornado
Beginning in the Mill Creek Church area and extending northeast for several miles, there was substantial damage to timber (\$200,000) Four homes damaged, 5 chicken houses destroyed and 15 damaged. One injury due to lightning.									
Colquitt County	5	2:00 a			0	0	3	0	Wind
Winds in excess of 50 mph caused scattered minor property damage in county including knocking down one of Moultrie's "landmark" oaks.									
Cook County	5	2:45 a	5	100	0	0	4	4	Tornado
Touched down in east-central Cook County near Sparks and moved rapidly NE toward the Berrien County line. Damage to pecan trees, 2 homes had minor damage, 1 mobile home destroyed, other damage to farm buildings and equipment.									
Floyd County	5	10:00 a			0	0	0	0	Wind
50 kt gusts reported at Rome airport with strong gradient behind cold front.									
Habersham County	23	6:10 p			0	0	u	u	Hail
Golf ball sized hail reported 7 miles north of Cornelia. No damage reports received.									
HAWAII									
N of Coconut Island in Kaneohe Bay, Oahu	19	8:55a.	?	?	0	0	0	0	Waterspout
2 mi E Makapuu Point, Oahu	25	9:25a.							Waterspout
3 mi NE Wanskuli, Oahu	28	2:05p.-2:07p.							Funnel cloud
IDAHO									
Ada, Clearwater, and Elmore Counties	26	Night			0	0	4	0	Wind
A 100 by 40 foot shed was destroyed by strong winds near Craigmont, Clearwater County. In Boise, Ada County, a house was damaged by a tree blown onto it. Three trailers on Interstate Highway 80 between Boise and Mountain Home, Elmore County, were overturned by strong winds.									
Bannock and Jefferson Counties	29	Afternoon			0	0	4	0	Lightning, Wind
Lightning apparently struck a small frame house in Pocatello, Bannock County. The house was a total loss. Strong winds damaged utility lines near Mud Lake, Jefferson County.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ILLINOIS Entire State	2	Late Morning and Early Afternoon			0	2	5	0	Wind
		High winds across much of the state damaged many farm buildings, several mobile homes, porches and fences.							
		Much of the destruction was concentrated in the southeastern part of the state, in Richland and Lawrence Counties. At about 10:15 am, just south of Olney, the damage was first observed. The strong winds flattened a barn on a farm in that location. Just to the northeast of the barn, a mobile home was destroyed. About 100 yards from the mobile home, a house was damaged. A door inside the house was blown from its hinges and across a room. Pieces of wood from the barn were lodged in the house. Also damaged by the force of the wind were several outbuildings and 2 automobiles. Two minor injuries were reported about 1 mile west of intersection of U.S. 50 and Illinois 250, just east of Olney, where 3 mobile homes were reported demolished. Part of the foundation of one of the mobile homes was picked up and moved by the strong winds. Farm buildings were damaged near Sumner in Lawrence County. Pieces of tin and debris were scattered in fields all the way to the Chancey Road, a distance of more than 1 mile. On the farm, the front porch of a house and other buildings were damaged.							
		The western part of the state was also affected by strong winds. Near Beardstown, Cass County, the roof of a hog confinement building was torn off and blown over half a mile. Other hog houses at this location were turned over. At Galesburg in Knox County, the high winds broke a large pane of glass at an automotive store and blew off part of the roof of a garage.							
Polo, Ogle County; Winfield and West Chicago, Dupage County	19	Afternoon			0	0	4	0	Lightning, Wind, Heavy Rain
		In Polo, lightning struck a home during a thunderstorm. This caused a fire, which brought minor damage to the building. In Winfield, lightning struck another home, damaging the electrical system; the resulting fire burned the roof and side of the house, causing about \$5,000 damage. Some trees and power lines were downed during the accompanying thunderstorm, bringing some power outages and flooding of roads and low lying areas in both Winfield and West Chicago.							
Crystal Lake, McHenry County	20	4:15pm			0	0	6	0	Lightning
		At 4:15pm, lightning struck the Mays drug store in the Crystal Lake Plaza. This started a fire, which destroyed the building. Smoke and water damage was also caused to adjoining businesses.							
INDIANA 6 W Anderson Madison County	4	6:00 PM	1/2	20	0	0	4	0	Tornado
		A small tornado touched down briefly in Edgewood. It totally destroyed a garage and a shed and unroofed a house. The storm moved northeast.							
Bloomington Monroe County	28	Early morning	-	-	1	1	0	0	Lightning
		Two boys were awaiting school bus when struck by lightning. One boy was killed and one was injured.							
IOWA	NO STORM DATA REPORT RECEIVED FOR THIS STATE								
KANSAS Scott County	17	2:30 p							Funnel
		Funnel clouds were observed 5 miles south of Scott City at 2:30 pm and 10 miles west of Scott City at 2:50 pm moving northwest.							
Saline County	17	3:15 p							Funnel
		Funnel cloud observed northeast of Salina.							
Sedgwick County	18	12:55 p							Funnel
		Several funnel clouds were reported between Goddard and northeast of Wichita between 12:55 and 2:05 pm.							
Rice County	18	4:30 p							Funnel
		Funnel cloud observed 5 miles southeast of Lyons.							
Meade and Ford Counties	19	6:05 p							Funnel
		A funnel cloud was observed at various times from 20 miles southwest of Mannedia at 6:05 pm to just west of Dodge City at 7:05 pm, moving north-northeast.							
Ottawa County	20	2:55 p							Funnel
		Funnel cloud observed just north of Jescott.							
KANSAS (continued) Sedgwick County	20	5:45 p							Funnel
		Funnel cloud observed 1 mile south of Mount Hope.							
KENTUCKY Boone - Kenton Counties	4	1700	11	750	0	0	5	0	Tornado
		A tornado first touched down about 20 miles S. of Cincinnati, Ohio. The path length was 12 miles with 4 separate touchdowns. Fourteen barns, 2 garages, 9 homes, and 2 mobile homes were damaged or destroyed.							
Todd County	4	1430	3/4	200	0	1	5	0	Tornado
		A tornado struck the town of Ekton, destroying 4 trailers, 4 barns, and a farm house. A small child was hurt by flying glass.							
Sern	4-6	-			6	?	8	?	Flood
		A 6 to 9 inch rainfall on April 2 - 4 caused record flooding on the Cumberland, Levisa Fork, and the Tug Fork of the Big Sandy River. Fifteen counties were declared a Federal disaster area. Damage was estimated at 100 million dollars.							
Jessamine County	28	1700					3		TSTM
		High winds associated with a thunderstorm caused considerable damage to a construction site in Nicholasville.							
Jackson County	28	2000					3		TSTM
		High winds associated with a thunderstorm flattened a barn in McKee, KY.							
LOUISIANA RAPIDES PARISH	19	4 PM	1	50	0	0	4	0	Tornado
		Tornado struck along the southeast edge of Cheneyville. Demolished 2 barns and uprooted several trees. Barns were also damaged about one mile down the road.							
EAST BATON ROUGE PARISH	20	7 PM	1/2	65	0	1	5	0	Tornado
		3 brick homes were severely damaged in Kenilworth subdivision. Several had lighter damage.							
ST. MARTIN PARISH	21	5:15AM	3	440	1	11	6	?	Tornado
		6 houses were destroyed and 8 damaged. A large 18-wheel truck was blown off I20.							
		Mrs. Ames Dore, 54, was found wrapped in a mattress some distance from the foundation of her missing home. 3 of the 11 injuries were serious.							
SOUTH CENTRAL AND EAST CENTRAL PARISHES	20-24				1	?	7	6	Excessive rains and flooding
		Rains that measured up to 14 inches swept across most of the southern half of the state on the 20th and 21st, causing floods that continued through the 24th.							
		The highest flood of record on the Comite and Amite rivers reached over 12 feet above flood stage and caused the evacuation of more than 1000 families in East Baton Rouge and Livingston Parishes. Many homes in Acadia Parish were also flooded. Estimated damages exceeded \$40,000,000. Walter J. Bisworth, 67, was apparently trapped in the rising waters and swept to his death in East Baton Rouge. An indirect death occurred in Hammond.							
MAINE Statewide	3	Daylong			0	0	5	0	Windstorm
		A cold front swept across Maine followed by northwest gales estimated as high as 80 mph. Portland recorded a gust to 91 and Bangor to 60 mph. The wind toppled trees and utility lines throughout the state. A mobile home was destroyed in Turner and a greenhouse in East Corinth. Severe structural damage by falling trees and limbs in many localities.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MARYLAND & D.C.									
Carroll & Frederick Counties	4-5				0	0	3	0	Rain
Two-inch rainfall in less than 24 hours began the afternoon of the 4th and continued into mid-day of the 5th. Residents began to prepare for possible evacuation as local rivers and creeks swelled to bankfull. Resulting overflow caused some flooding in low spots, and the loosening of a temporary metal bridge from its footings. Eleven roads were closed for a time, but all were reopened by evening of the 5th.									
Flintstone (I S), Allegany County	5	3:15 p			0	0	4	0	Wind
Large machine shop and adjoining shed damaged as wind lifted the structure off its foundation, destroying a three-sided 64-foot section. Witness reported a dark cloud moved from south to north and enveloped the building during what was apparently a very localized thunderstorm. Total damage estimated in excess of \$5,000.									
Washington County	24	1:00p-1:30p			0	0	3	0	Lightning
Three homes in the county were struck by lightning during a brief, but violent thunderstorm. One home in the Rose Hill Farms area near Williamsport, was struck about 1 PM, and received some \$2,000 damage to roof, attic and wiring during the 2 1/2 hour blaze that resulted. Minor damage, estimated at about \$300 total, was done to two other homes: one in the Maughansville area and the other near Funkstown.									
Baltimore County	24	Night			0	0	2	0	Wind, Rain
Thunderstorm caused power outages that affected more than 4,000 homes in the City of Baltimore and elsewhere in the county.									
MASSACHUSETTS									
Greenfield Pittsfield Lawrence	3	2 pm			0	1	4	0	Wind
Strong northwest winds blasted the state as an intense low passed to the northeast. A man was injured as his staging platform was toppled by the wind. Many trees were blown down onto cars. Several brush fires were fanned.									
MICHIGAN									
An area south of a HOLLAND, BAD AXE Line.	2	afternoon			0	0	5		Thunderstorms
A line of rapidly moving thunderstorms swept thru the area spawning a rash of large tornadoes, big hail and strong surface winds. Basements and roads were flooded in some of Detroit's northern suburbs. Buildings suffered wind damage at Hastings and Durand. Scattered tree and power line damage occurred throughout the area as convective wind gusts exceeded 55 MPH at Lansing, Ann Arbor and Pontiac airports. The following tornado and hail reports listed below are part of this storm.									
1 N Kalamazoo Municipal Airport to 1 1/2 ENE Augusta, Kalamazoo Co.	2	2:34pEST	13.5	190	0	10	6	C	Tornado
Ripped thru the towns of Comstock and Augusta heavily damaging or destroying 90 homes and businesses plus an elementary school. 110 people were left homeless.									
1 SSE Bellevue to 2 NW Eaton Rapids, Eaton Co.	2	3:06pEST	18	615	1	44	6	C	Tornado
Was a huge tornado averaging almost three quarters of a mile wide. It cut an eighteen mile path thru the hart of Eaton Co. destroying 21 homes, 10 mobile homes, 24 barns, 28 outbuildings and 21 vehicles. 23 cattle and horses were also lost. The only fatality occurred when the tornado crossed I-69 sweeping two motor homes and a pickup truck off the roadway. The pickup was thrown 50 feet and landed upside down in a pile of fallen trees crushing a 5 year old boy inside.									
25 NNW Bath to 1.5 SW Laingsburs Clinton Co.	2	3:35pEST	5	225	0	6	5		Tornado
Touched down in rural farming area and stayed in contact with the ground for 5 miles. Destroyed 1 home, 1 mobile home and 8 outbuildings. Damaged 9 homes, 1 mobile home and a gas station. 2 of the injuries accrued to children in the one home that was destroyed were caused by flying glass.									
3 SE Dansville Ingham Co.	2	3:40pEST	1.5	55	0	0	4		Tornado
Touched down briefly on Dekter Trail Road taking the roof off a home and destroying a metal storage shed. Funnel seen by three local residents.									
MICHIGAN (continued)									
4 SW Howell to 1 N Howell, Livingston Co.	2	3:58pEST	4.5	85	0	1	5		Tornado
Touched down in a field west of Pingree Road and moved NE damaging a garage, destroying a camper and blocking Pingree Road with fallen trees. Damaged a home, two businesses, a large barn, an apartment building and a high school before lifting in a field west of Oak Grove Road. The injury occurred when one of four people in the barns basement was hit by falling roof beams.									
1 SSE Bennington to 4 ENE Corunna, Shiawassee Co.	2	4:15pEST	11.5	50	0	1	4		Tornado
Skipped along an eleven mile path from Garrison Road NE to Geeck Road damaging two homes, several apartment units, a garage and blowing over a camper truck combination. The injury occurred when debris was blown thru a window into a mans face at one of the homes. Numerous TV antennas, power lines, and shade trees were down along the path.									
1 W Lawton, Van Buren Co.	2	2:05pEST			0	0	0	C	Hail
13/4 inch.									
1 N Portage, Kalamazoo Co.	2	2:20pEST			0	0	0		Hail
3/4 inch.									
2 N Oxford, Oakland Co.	2	afternoon							Funnel cloud
Seen moving to the northeast.									
Centerline, Macomb Co.	2	afternoon							Funnel cloud
9 SSW Grand Haven, Lake Michigan.	14	6:45pEST			0	0	0		Waterspout
Reported by the Coast Guard moving south at an unknown speed.									
2 NM Elm Hall	20	6:30pEST			0	0	0	C	Hail
One 4 inch diameter.									
2 W Reed City, Osceola Co.	27	7:06pEST							Funnel cloud.
Sighted by Deputies Osceola Department.									
3 W Reed City, Osceola Co.	27	7:20pEST							Funnel cloud
Sighted moving southeast by a Big Rapids volunteer fireman.									
An area west of a Kalkaska, Battle Creek line.	28-29	early morning			0	0	0	C	Frost
Temperatures in the low to mid 20 s killed sweet cherry buds. Asparagus and grape shoots also hurt. Berrien, Van Buren, Grand Traverse, Leelanau and Manistee counties hardest hit.									
MINNESOTA									
Waseca and Area East Waseca County	14	3:20 PM	2	1760	0	0	4	0	Hail
Brief hail 3/4 to 2 1/2 inches covered two square miles to a depth of one inch. Frequent lightning. 1.33 inch rain in twenty minutes.									
MISSISSIPPI									
Terry Hinds County	2	5:40 PM	?	?	0	0	4	?	Tornado
A small tornado touched down briefly on Tank road about a mile and a half S of Terry. Five barns sustained major damage, 2 metal buildings were destroyed, one home and one mobile home also were damaged. Total property damage \$10,000.									
Artesia, Lowndes County	2	7:15 PM	2	100	0	0	4	?	Tornado
A tornado touched down just SW of Artesia moving NE for about 2 mi. to just S of Golden Triangle Airport. One trailer was destroyed and several commercial buildings sustained roof and glass damage. The tornado touched down again 15 min. later near Hwy 45 north of Columbus tearing half the roof from the Brandon Elementary School. Total property damage \$20,000, mainly to school.									
Florence, Rankin County	4	6 AM	**200	50	0	0	3	0	Tornado
A mini tornado barely touched down one mile S of Florence near Hwy 469. One barn had the tin roof tore off and one home was damaged only slightly. Total damage less than \$1,000.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MISSISSIPPI (continued)									
Sandtown, Neshoba County, Preston, Kemper County	4	8 AM	10	100	0	0	5	7	Tornado
A tornado touched down one or two miles N of Sandtown moving NE into Kemper County 3 or 4 miles W of Preston on just N of Hwy. 21 about 2 mi. NW of Preston. Near Sandtown in Neshoba County one store and one home was destroyed while one home was heavily damaged. Several barns and outbuildings were also damaged. Total damage in Neshoba County \$60,000. In Kemper County one home, two mobile homes, and one beauty shop was destroyed. Damage in Kemper County \$25,000. Both counties suffered extensive timber damage.									
Macon, Noxubee County	4	9 AM	10	400	0	1	4	?	Tornado
A tornado touched down on Hwy 45 between Macon and Shuqualak moving NE across the Elon community 1 mi. S of Hwy 14. One mobile home S of the Hwy was destroyed as was a frame house N of the highway. A woman in the house suffered minor injuries. One silo was destroyed and several farm structures received minor damage. The twister continued NE across Hwy 14 to Prairie Pt. road 3 or 4 mi. W of the Prairie Pt. community. Damage \$25,000.									
Jackson, Hinds County	4	Late morn			0	0	0	0	Funnel Clouds
Members of the Jackson PD sighted 2 funnel clouds between 10 AM and 12 Noon. Both were observed over the Hawkins Field-Industrial Park area of West Jackson. No touchdowns were observed.									
Smithdale, Pike County	4	12:15 PM			0	0	3	0	Wind
High winds from an intense thunderstorm damaged the roof of a packing plant at Smithdale and caused minor damage to one residence. Total damage less than \$1,000.									
Jackson, Hinds County	4	2 PM			0	0	?	?	Hail, flooding
Golf ball size hail fell at the Old Byron School S of Jackson as heavy thunderstorms moved through the Hinds County area producing heavy rains and local flooding. At least 75 people were evacuated by boat as 2 to 5 inches of rain accumulated in various parts of the Jackson area during the late morning and afternoon hours.									
Southwest	20, 21						5		Heavy Rains, Flooding
Excessive rains from heavy thunderstorms which began on the 20th caused a rapid rise in the rivers in mainly southern sections of the state producing extensive flooding on the 21st. Most of the major flooding was in the southwest where 13 inches of rain was recorded at Liberty for the 24 hr. period ending 6 PM on the 21st. The Anite and Bogue Chitto Rivers caused the worst flooding and flood damage estimates in Anite Co. were \$90,000, Pike Co. had 30,000. Elsewhere flooding was not of major proportions.									
MISSOURI									
Hannibal, Marion County	4	9:30 a.m.	.2	10	0	0	3	0	Tornado
Low pressure over Oklahoma produced thunderstorms over the state, and at 9:30 a.m. a line of thunderstorms passed over northeast Missouri with high winds. A mini tornado briefly touched down in a residential section of Hannibal, tearing off a portion of a house's roof and an adjoining carport. Several trees were downed and other minor damage was done to neighboring houses.									
Northeast of Potosi, Missouri, Howell County	22	1:30 p.m.	?	?	0	0	3	3	Hail
Low pressure and an associated cold front in Missouri spawned thunderstorms over Missouri. During early afternoon, strong thunderstorms developed over south central Missouri. A farmer northeast of Potosi reported that he lost three fourths of the alfalfa in one field when a hailstorm dumped several inches of marble-sized hail. Windows were broken out in a barn, and the roof of the house will have to be replaced.									
MONTANA									
NONE REPORTED									
NEBRASKA									
Scottsbluff County	4	7:30AM			0	0	3	0	Damaging Winds
55 mph wind gust caused damage to garage and large cottonwood tree at Mitchell.									
Keith County	11	2:38PM	1/2	30	0	1	4	0	Tornado
Mobile home and two dwellings at Brule received considerable damage.									
Wheeler County	12	3:50PM	1/2	20	0	0	0	0	Tornado
25 miles northwest of Bartlett a tornado touched down briefly. No damage reported.									
NEBRASKA (continued)									
Madison and Pierce Counties	12	4-5 PM			0	0	4	0	Hail
At Pierce large hail damaged roofs and siding to numerous homes and businesses. Minor house damage at Meadow Grove.									
Butler County	12	Evening			0	0	3	0	Lightning
A tree struck by lightning at Ulysses fell onto a house producing considerable damage.									
Washington County	12	7:45PM			0	0	4	0	Damaging Winds
At Blair, a pick-up camper was totally demolished with other minor house and tree damage.									
Valley County	14	5 PM			0	0	0	0	Funnel
Two funnel clouds sighted 10 miles NE of Ord.									
Dodge County	16	Unk.	1 1/2	50	0	0	4	0	Tornado
Mini-tornado about 1 mile north of Fremont destroyed a camper, radio tower and a pivoted irrigation system.									
Custer County	17	4:46PM	1/8	10	0	0	0	0	Tornado
Tornado touched down briefly near Sargent. No damage reported.									
Platte and Madison Counties	18	11-11:30 AM			0	0	0	0	Funnel
Funnel aloft reported between Lindsay and Madison moving northeastward.									
Adams, Webster, Harlan & Franklin Counties	18	2:50 - 3:50 PM			0	0	0	0	Funnel
Numerous funnels aloft were reported in various areas of these counties.									
Cheyenne County	29	5:45 PM			0	0	0	0	Funnel
15 miles north of Sidney, a funnel was reported by public.									
NEVADA									
NONE REPORTED									
NEW HAMPSHIRE									
Statewide	3	Daylong			0	0	4	0	Windstorm
A cold front swept through New Hampshire during the day accompanied and followed by northwest gales. Winds gusted to "hurricane force" (estimated), causing tree and utility line damage and resulting structural damage. Prolonged power outages. Two aircraft flipped over despite tie-downs at Berlin.									
NEW JERSEY									
NONE REPORTED									
NEW MEXICO									
Carlsbad, Eddy County	13	Evening			0	0	2	?	Hail and Wind
Golf ball-sized hail reported over part of city. Accompanying strong winds caused some structural damage.									
Higginbotham, Lea County	19	3:00 p.	5	400	0	0	4	?	Tornado
Many observers watched tornado form and travel on ground about ten minutes. Metal building and brick building damaged and mobile home destroyed.									
Clayton, Union County	19	4:00 p.	1	20	0	0	0	0	Tornado
Tornado touched briefly on rangeland about four miles northeast of Clayton.									
NEW YORK COASTAL									
NONE REPORTED									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEW YORK (continued)									
CENTRAL									
HUNTER, GREENE CO.	2	6P	3	100	0	0	4	0	TORNADO
					Saturday evening an apparent tornado had its genesis midway up the mountainside to the southwest of the Hunter Mountain ski lodge. Subsequent movement was from the northeast slope of the mountain towards the northwest along Schoharie Creek. A 17 x 58 foot mobile home was damaged by the tornado. The roof had been blown off and the sides collapsed in all directions. Contents of the house trailer were strewn mainly upstream. In addition, a plate glass window belonging to the Garland Oil Company, had been blown outward. A home was knocked off its foundation about 2400 feet and another home sustained roof damage. Twenty-five trees had also been blown over.				
FRANKLIN, ST. LAWRENCE, CLINTON, ESSEX, HAMILTON, WARREN, WASHINGTON, SARATOGA, SCHENECTADY, ALBANY, RENSSELAER COUNTIES	3	4A-1P			0	0	4	0	WIND
					Winds gusting to 81 MPH in the Sprague Lake area and 50 to 60 MPH elsewhere caused many downed trees, powerlines and telephone lines. Two vehicles were damaged in Hoopick Falls, Renss. County, when a large tree fell over about 9:30 AM. Several homes throughout the area reported roof damage. Extensive damage to docks in the Lake George East shore area was reported. A tree fell on a residence in Saratoga Springs, Saratoga Co., and another fell on a flat in the same town. In the Tupper Lake area, Franklin County, winds pushed over part of a half demolished building.				
PULASKI, OSWEGO, COUNTIES	5	12:19A			0	1	4	0	WIND
					Gale force winds knocked over an electrical pole into a tree and set fire to the residence of Mr. Richard Jones in Pulaski. The dwelling was a complete loss. One fireman was injured when his glasses and helmet were blown off while he was on a ladder and was taken to the hospital to remove foreign matter from his eyes.				
MALONE, FRANKLIN COUNTIES	8								SNOW
					During the day 3.5 inches of snow combined with windy conditions, caused extremely hazardous driving conditions.				
TRUTHVILLE, WASH. CO.	13	8P-10P			0	1	3	0	WIND
					Richard Thomas an 11 year old, was seriously injured when a maple tree, blown over by strong gusty winds, up to 40 MPH, from the northeast, fell on him in the small community of Truthville, just north of Granville. Several other trees and powerlines were also reported downed but no other injuries were reported.				
NEW YORK									
WESTERN									
Northern Cattaraugus County from East Otto to Delevan	2	Near Midnight	16	?	0	0	?	?	High wind with loud noise.
NORTH CAROLINA									
Wilkes County	4	9:30P EST	12	100	0	0	5	?	Tornado
					Tornado skipped along from south of Draphill to 5 miles NE of Austin. Damage to trees, mobile homes, chicken and chicken houses and outbuilding worth about \$60,000.				
Mountain counties	4				0	0	6	?	Flash Floods and Mud Slides
					Flash flooding in mountains caused mud slides and wiped out several bridges. Buncombe County had about \$500,000 damage while Watauga, Ashe and Wilkes had lesser damage. Some families were evacuated. Minor slides and felled trees blocked roads in Clay, Jackson, Henderson, Transylvania, Cherokee, and Graham Counties.				
Pender County	20	5:00P EST	1/2	20	0	0	4	0	Tornado
					A small tornado touched down near the shore in Jacksonville. There was damage to new cars and boats when it hit a car dealer and marine. Total damage about \$20,000.				
NORTH DAKOTA									
					NONE REPORTED				
OHIO									
Highland County	2	4 PM	1	220	0	0	4	0	Tornado
					A small tornado touched down 38 miles east of Cincinnati in the southern part of the county. The storm destroyed some farm buildings and lifted a car and driver. The storm moved southwest to northeast.				
Brown County	2	5:30 PM	1	220	0	0	4	0	Tornado
					A small tornado touched down 45 miles east-southeast of Cincinnati in the central part of the county. The storm moved southwest to northeast and destroyed some farm buildings.				
OHIO (continued)									
Richland and Ashland Counties	2	9:25 PM	3/4	40	0	6	6	0	Tornado
					A tornado touched down briefly at Shennandoah in Richland County at 9:25 p.m. EST then skipped to Adario in Richland County. The major touch down was at Bailey Lakes in Ashland County at 9:28 p.m. EST. Here the storm destroyed two homes and damaged 14 others. Also numerous farm buildings and out buildings were destroyed. Six members of a family in one of the destroyed homes were injured.				
Cuyahoga County	2	9:57 PM	1.5	175	0	0	6	0	Tornado
					A tornado did hit skip damage in Bedford Heights and Solon. The main touch down was in an industrial park in Solon. Most of the damage was confined to this area but there was minor damage in a nearby residential area.				
Huron, Erie County	20	4:09 PM			1	0	1	0	Lightning
					A thundershower moved into Huron off Lake Erie. Lightning struck and killed a 32-year old man fishing on a pier.				
OKLAHOMA									
Coweta, Wagoner County	1	11:45 p.			0	0	2	3	Hail
					Hail ranged up to 1 3/4 inches in diameter.				
Near Pumpkin Center, Comanche County	18	12:30 p.							Funnel Cloud
					Approximately 2 miles east of Pumpkin Center.				
Near Sterling, Comanche County	18	12:45 p.							Funnel Cloud
					Approximately 4 miles south of Sterling.				
Near Marlow, Stephens County	18	12:45 p.	1/2	33	0	0	0	0	Tornado
					A small tornado was on the ground for a short time about 4 miles southeast of Marlow. Movement was from the southwest toward the northeast. No damage was reported.				
Near Duncan, Stephens County	18	12:50 p.							2 Funnel Clouds
					Southeast of Duncan.				
Near McAlester, Pittsburg County									Funnel Cloud
					Few miles north of McAlester.				
Near Gage, Ellis County	18	1:23 p.							Funnel Cloud
					Three miles north of Gage.				
Near Velma, Stephens County	18	1:35 p.	2	50	0	0	0	0	Tornado
					A small tornado touched down about 2 miles east of Velma. Movement was from the west toward the east. No damage was reported.				
Near Weatherford, Custer County	18	3:30 p.	2	100	0	0	0	0	Tornado
					A small tornado touched down about 2 miles south of Weatherford. Movement was from the southwest toward the northeast. The tornado was not continuously in contact with the ground. No damage was reported.				
Near Wakita, Grant County	18	3:30 p.							Funnel Cloud
Near Duncan, Stephens County									Funnel Cloud
					Approximately 5 miles west of Duncan.				
Messer, Choctaw County	18	5:00 p.			0	0	2	3	Hail
					Hail was up to 1 inch in diameter.				
Near Lindsay, Garvin County	19	5:48 p.							Funnel Cloud
					Rope-like in appearance and lasted only few seconds.				
Near Frederick, Tillman County	19	11:00 p.	3/4	200	0	0	3	0	Tornado
					A tornado touched down at a point approximately 5 miles south and 3 miles west of Frederick. At the beginning of the path a grain barn was unroofed and flopped over on its side. A nearby storage shed was moved off its foundation. Roof beams from the barn were driven into the ground about 40 feet northwest of the barn. The beams were driven into the ground to a depth of several feet in a nearly vertical direction. The next and last damage was to a house located about 1/2 mile northeast of the barn. The windows of the house were blown out. Movement of the tornado was from southwest toward the northeast.				
Near Waurika, Jefferson County	20	2:30 p.							2 Funnel Clouds
Near Enid, Garfield County	20	2:35 p.							Funnel Cloud
					Location approximately 8 miles south-southeast of Enid.				

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA (continued)									
Near Addington, Jefferson County	20	3:00 p.							Funnel Cloud
Near Waurika, Jefferson County	20	3:00 p.							Funnel Cloud
Location approximately 8 miles south of Waurika.									
Near Dover, Kingfisher County	20	4:23 p.							Funnel Cloud
Location approximately 6 miles east of Dover									
Lawton, Comanche County	20	5:30 p.			1	0	0	0	Lightning
A 14 year-old boy was killed by a lightning bolt while playing in a large open field during a thunderstorm.									
Near Weatherford, Custer County	30	7:57 p.							Funnel Cloud
Location approximately 4 miles southeast of Weatherford.									
Near Hydro, Caddo County	30	8:40 p.							Funnel Cloud
OREGON									
Madford	4/29	5 PM	15 mi.	4 mi.				UNK	Hail
Corvallis	4/29	5 PM						5	Hail
PACIFIC									
NONE REPORTED									
PENNSYLVANIA									
EASTERN									
Eastern Penna.	4	Noon to 5 Noon EST			0	0	4	0	Heavy Rain
Heavy rain resulted in stream and roadway flooding. Some buildings were also flooded. Precipitation amounts were generally 1.5 to 2.5 inches with the highest amount being 2.56 inches at Willow Grove.									
Doylestown, Bucks County	5	3:20 PM EST			0	0	0	0	Funnel Cloud
A funnel cloud was reported 2 to 3 miles west of Doylestown. It did not touch down, but was accompanied by vivid lightning, heavy downpour and a roar like a jet plane.									
Eastern Penna.	5	4-10 PM EST			0	1	5	0	Wind, Electrical
High winds accompanying thunderstorms downed many trees and power lines and damaged buildings. Trees fell on at least four cars; a truck and at least one house. A man in the truck was slightly injured. The roof was blown off a small school house and portions of roofs were blown off two other houses. The roof portions struck other houses and caused damage. Downed power lines caused power outages to thousands. Highest wind gusts reported were 83 MPH at Chambersburg and 54 MPH at Williamsport. Lightning struck a barn and caused a fire which killed two calves and destroyed farm equipment. Lightning also struck a tree causing a limb to fall on power lines. This pulled the meter box off the side of a house causing a fire in the house.									
Swatara Township, Dauphin County	5	4:50 to 5:15 PM EST	2	67	0	1	6	0	Tornado
The tornado touched down several times as it moved across the township damaging 35 homes with 6 of them being demolished. It also damaged a barn and overturned a house trailer. A woman in the house trailer was slightly injured. Many trees were uprooted or sheered off. Debris from the houses was scattered throughout the area and hanging from trees.									
Sonestown, Sullivan County	23	5:30 PM EST	2	50	0	0	3	0	Tornado
A small tornado moved up the Muncy Valley damaging several buildings and taking the tops off trees. Power was out in the area for over 2 hours. Ice-cube size hail was also reported at LaPorte.									
PENNSYLVANIA (continued)									
EASTERN									
Bucks, Montgomery Counties	26	1-6 PM EDT			0	0	4	0	Electrical
A number of lightning strikes occurred throughout the counties causing building damage or fires. The greatest damage was in Conshohocken, Montgomery County, and the Sellersville-Perkasie area of Bucks County. In these counties and also in Delaware, Chester and Philadelphia Counties, there were many reports of small hail, in some cases accumulating to several inches.									
PENNSYLVANIA									
WESTERN									
Utica, Venango Co.	3	early a.m.			0	0	5	0	Wind
Two-story frame house moved 6 - 10 inches on its foundation, one section of roof torn off, game room demolished, 3 large picture windows and several smaller ones broken, contents of house severely damaged. Racks of canoes and fishing boats, owned by Hallstown Marina (also owners of house), picked up and canoes carried up to 4 mile. Many large trees uprooted. Large utility pole moved several inches. Sticks driven several inches into the ground by the force of the wind. Possibly a tornado (designated so by newspaper) but insufficient evidence for positive identification.									
Somerset	5	2:30 p.m.			0	0	4	0	Wind
Trailer home lifted from its foundation and moved 30 feet.									
Erie, Crawford and Mercer Counties	5	After mid. A.M.			0	1	4	0	Snow
Numerous minor vehicle accidents; a few serious ones including a tractor trailer which slid into a pole, injuring the driver.									
PUERTO RICO									
NONE REPORTED									
RHODE ISLAND									
NONE REPORTED									
SOUTH CAROLINA									
NO STORM DATA REPORT RECEIVED FOR THIS STATE.									
SOUTH DAKOTA									
Northern Black Hills	4	Most of Day			-	-	-	-	Heavy Snow
Heavy snow of four to six inches or more fell in the northern Black Hills and nearby areas. Northerly winds gusting to near 50 MPH caused extremely hazardous driving conditions. Numerous minor accidents occurred during the storm but no lives were lost.									
TENNESSEE									
East Tennessee, Anderson, Campbell, Claiborne, Cocke, Hancock, Hawkins, Scott, Sevier, and Sullivan Counties	2-5				8	7	7		Appalachian flood
More than 400 families were left homeless in a hard hit nine-county area of East Tennessee. Damage was set at more than 21 million dollars to homes, businesses, crops and livestock. Most deaths were from drowning, but two were heart attacks.									
Rainfall in many parts during this period was in excess of 8 inches. Claiborne and neighboring Hancock County were hardest hit by flooding on the Clinch and Powell Rivers. The Clinch River at Sneedville crested more than 26 feet above flood stage around 5 p.m. Tuesday, April 5.									
Manchester and Tullahoma, Coffee County	2-4						5		Flooding
Rainfall at Manchester totaled 7.7 inches and 7.59 inches at Tullahoma. Several families were forced from their homes, especially along the Duck and Little Duck Rivers.									
Lincoln-Moore County Border, Booneville Community	2	AM					1		Flash flood
Heavy rains caused streams to quickly overflow. A young girl drowned when she was swept away by a small stream behind her home (Duck Creek).									
Weakley County	2	2:15 p.					1		Flash flood
Heavy rains in excess of two inches caused flash flooding. A 15-year-old youth was drowned when he drove his motor cycle into a rain swollen drainage ditch and was swept away by the swift current. The flood waters had completely obscured the ditch.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
TENNESSEE (continued)											
Limestone, Washington County	4	5:30 p.			1						Lightning
											A 67-year-old farmer was killed instantly when struck by lightning. The bolt of lightning struck a pen in the shirt pocket, entered his chest, and exited behind the left ear. The farmer was struck in his pasture enroute to his home after feeding some cattle.
Westmoreland, Sumner County	21	PM					4				Heavy rain
											Heavy rains flooded the offices of the World Newspaper. Other business firms from Carters General Store down Park Street through the World offices had water damage.
Memphis, Shelby County	23	11:27 a.									Funnel cloud
											The funnel cloud was reported at I-240 and Whitten Road, moving towards the east. A motorist on the Interstate said he saw some rotation just above the ground and ahead of him. Next he knew a gust of wind caught the car and moved it across the road.
Germantown, Shelby County	23	11:53 a.									Hail
											Considerable hail, some measuring 1-3/4 inches in diameter.
Clarksburg, Carroll County	23	12 n.									Hail
											Hail 1 foot deep in drifts and some the size of golf balls (1-3/4 inches).
Hohenwald, Lewis County	23	12:15 p.									Hail
											1-3/4-inch hail reported by the sheriff's department.
Dunlap, Sequatchie County	23	4:15 p.									Hail
											Hail, some 1-3/4 inches in diameter fell in a valley section which was mostly grazing land.
Halls Crossroads, Knox County	23	6:30 p.									Hail
											Residents of Halls Crossroads reported hail as large as 1-1/2 inches in diameter during a heavy thunderstorm.
Hartshew Addition, Green County	23	9:00 p.								?	Severe hail storm
											The area is located off Highway 11E (Knoxville highway). The hail damaged gardens and stripped some trees of their leaves. Hail some 3/4 inch in size made lawns look like there had been a sudden winter snow storm as they were white from the fallen ice.
TEXAS											
NORTHERN											
Jefferson, Marion County	3	9:55 a			0	0	?	?			Hailstorm
											Nickel size hail was reported at Jefferson. Damage was apparently negligible.
Corsicana, Navarro County	4	12:20 a			0	0	0	0			Hailstorm
											One inch diameter hail produced no known damage at Corsicana.
7 S Gilmer, Upshur County	4	2:00 a			0	0	?	?			Hailstorm
											A citizen reported golf ball size hail 7 miles south of Gilmer.
6 to 8 S Ballinger, Runnels County	14	3:10 p			0	0	?	?			Hailstorm
											Hail covered the ground up to 3 inches deep. Average diameter of the hailstones was 1/2 of an inch.
Dallas, Dallas County	15	1:00 a-2:50 p			0	0	?	?			Flash Flood
											Several periods of Flash flooding occurred as heavy thunderstorms moved through the area. Most of the flooding was minor and generally occurred in the White Rock Creek and lower Trinity River areas.
Mexia, Limestone County	16	Morning			0	0	?	?			Flash Flood
											Heavy rains produced minor flash flooding in the Mexia area.
Wichita Falls, Wichita County	16	5:00 p	2	75	0	0	4	0			Tornado
											A freak tornado moved from east to west across about 2 miles of west Wichita Falls. The tornado originated from a weak shower with radar tops of only 16,000 feet. The long, slender tornado was milky white in appearance and was accompanied by a loud roar. The storm occurred in a largely uninhabited area, but heavily damaged a barn by pulling the roof off and buckling the east and south walls outward. Galvanized roofing and 2x4 rafters from the barn were thrown along a 100 yard wide path for 3/4 of a mile.
TEXAS (continued)											
NORTHERN											
10 W Greenville, Hunt County	16	5:50 p			0	0	0	0			Funnel Cloud
											The funnel cloud did not touch down.
McLennan County		6:00 p-8:00 p			0	0	?	?			Flash Flood
											Heavy rains produced minor flash flooding near Aquilla Creek and Tehucana Creek.
Grand Prairie, Dallas County	16	10:30 p			0	0	0	0			Flash Flood
											Minor flash flooding occurred between Grand Prairie and Cedar Hill. Beltline Road was reportedly under water for a period.
Clarksville, Red River County	17	11:00 a			0	0	0	0			Funnel Cloud
											The Clarksville Police Department reported the funnel aloft, moving northeast.
Paris, Lamar County	17	3:28 p			0	0	?	?			Windstorm
											58 mph wind gusts accompanied a thunderstorm that crossed the Paris Airport. No damage was reported.
Springdale, Cass County	17	6:40 p			0	0	0	0			Funnel Cloud
											The funnel cloud did not touch down.
4-6 N Commerce, Hunt County	18	2:50 p-3:15 p			0	0	?	?			4 Tornadoes and Hail
											About 2:45 pm, Doppler radar research personnel at Norman, Oklahoma, detected a possible tornado circulation in northeast Hunt County. At 2:50 pm, a funnel cloud was sighted north of Commerce. Within the following 25 minutes, 4 small rope-like tornadoes touched down in forested areas 4 to 6 miles north of Commerce. Damage was apparently restricted to the trees. Witnesses described a large, rotating cloud system on the southwest corner of a heavy thunderstorm. Before each touchdown, the circulation would intensify above the developing tornadoes. Each of the funnels would then form and as they dipped toward the ground, a dust and debris whorl would rise upward to the base of the condensation funnel. Some light hail damage occurred north of the slow-moving tornadoes or about 5 miles north of Fairlie.
10 E Cleburne, Johnson County	18	3:20 p			0	0	0	0			Funnel Cloud
											A funnel aloft was sighted on the southwest flank of a strong thunderstorm. The funnel cloud did not reach the ground.
Between Bells and Ambrose, Grayson County	18	4:00 p			0	0	0	0			Tornado
											No damage occurred when a small tornado touched down briefly between Bells and Ambrose.
Ector, Fannin County	18	5:00 p			0	0	0	0			Tornado
											Another brief touchdown near Ector caused no known damage. The tornado was reported by the amateur radio spotter network.
Anna, Collin County	18	5:10 p			0	0	0	0			Funnel Cloud
											The DPS reported that the funnel did not touch down.
Bogata area, Red River County	18	6:38 p			0	0	0	0			Hailstorm
											Marble size hail covered the ground at Bogata and on the river bridge between Red River and Delta Counties.
10-12 NE Wolfe City, Fannin County	18	7:45 p	2	?	0	0	?	?			Tornado and Funnel Clouds
											The tornado was alternately dipping down and then lifting over open land from 10 to 12 miles northeast of Wolfe City. The tornado last touched down about 4 miles north of Ladonia. Only minor damage to some farm outbuildings was reported. Several funnels aloft were sighted in the same area.
NE of Melissa, Collin County	18	8:30 p			0	0	0	0			Funnel Cloud
											The funnel occurred in the southwest quadrant of a heavy thunderstorm.
6 NW Brady, McCulloch County	19	7:45 p			0	0	0	0			2 Funnel Clouds
											Brady Civil Defense officials watched as the funnel clouds dissipated without touching down.
Southwest Wichita County	19	10:42 p			0	0	0	0			Tornado
											The tornado was reported near Kadane Corners and again northeast of Kamsy, moving toward the northeast. Only minor tree damage was reported in an open field. Along most of the track, the funnel was apparently aloft.
4 S Graham, Young County	19	10:54 p									Funnel Cloud
											The funnel cloud did not touch down.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	PROPERTY	CROPS	
TEXAS (continued)											
NORTHERN											
Kennedale, Tarrant County	20	12:04 a			0	0	0	0			Funnel Cloud
The funnel aloft was probably spawned from the same system that later struck Duncanville in Dallas County.											
Duncanville, Dallas County	20	12:55 a	1.5	75	0	0	4	0			Tornado
A small tornado moved across a 1.5 mile track of west Duncanville, heavily damaging 1 home and another home under construction. The tornado also damaged a school and leveled a small concrete block building. Several trees were uprooted along the tornado's path. Witnesses described a loud roaring noise that accompanied the tornado. Damage was estimated to be about \$30,000.											
10 S Abilene, Taylor County	20	3:05 p			0	0	0	0			Funnel Cloud
The funnel cloud, confirmed by radar, was observed by National Weather Service employees at Abilene.											
6 E Baird, Callahan County	20	3:35 p	10	?	0	0	?	?			Tornado
DPS officers first reported the tornado in open country 6 miles east of Baird. The twister was on the ground for about 20 minutes but caused no known damage. The tornado was south of and paralleling I-20 in movement. The same parent thunderstorm produced the funnel aloft south of Abilene at 3:05 p.m.											
Brady, McCulloch County	20	4:00 p			0	0	0	0			Hailstorm
Golf ball size hail in Brady caused no known damage.											
6 S Valera, Coleman County	20	5:15 p	?	?	0	0	0	0			Tornado
The tornado was observed moving east-southeast across open country.											
Baylor County	20	5:40 p			0	0	?	?			Funnel Cloud and Hailstorm
Golf ball size hail fell at the Texas A&M Experimental Ranch between Seymour and Throckmorton. At 5:40 p.m. the Baylor County Sheriff reported a funnel aloft 25 miles west-southwest of Seymour.											
Bangs, Brown County	20	6:00 p			0	0	0	0			Funnel Clouds
Numerous funnels aloft were reported and confirmed by radar. Apparently none of them touched ground.											
Wichita Falls, Wichita County	20	6:00 p-7:00 p			0	0	?	?			Flash Flooding
Heavy rains produced minor flash flooding											
Between Haskell and Rule, Haskell County	20	7:15 p			0	0	4	5			Hail and Windstorm
Golf ball size hail and 65 mph winds accompanied a severe thunderstorm through the Haskell area. Most of the damage was between the towns of Rule and Haskell. A barn near Haskell was blown down and the roof of a farm home suffered severe hail damage. Hail damage to wheat in the area was extensive. TV antennas in Haskell were downed by the high winds.											
West Taylor County Line	20	7:20 p			0	0	2	0			Hailstorm
Golf ball hail broke out the windshield of a DPS patrol car just east of Sweetwater.											
5 W Miles, Runnels County	20	8:30			0	0	0	0			Funnel Cloud
The funnel aloft did not touch down.											
Vernon, Wilbarger County	29	1:15 p			0	0	?	?			Flash Flood
The flash flooding caused only minor damage.											
5 NE Chillicothe, Foard County	29	1:45 p			0	0	0	0			Funnel Cloud
The funnel did not touch down.											
McKinney, Collin County	29	7:25 p			0	0	0	0			Funnel Cloud
Eola-Lowake area, Concho County	29	10:05 p			0	0	?	?			Flash flooding
Flash flooding covered Highway 381 between Eola and Lowake.											
TEXAS											
SOUTHERN											
Northern Uvalde and Medina Counties	3	10:00p			0	0	?	?			Hail
A line of severe thunderstorms moving eastward at nearly 40mph dropped 1/2 inch to 1 inch diameter hail in Northern Uvalde and Northern Medina Counties. No damage or injuries were reported as most hail fell over open range land.											
TEXAS (continued)											
SOUTHERN											
Hollywood Park, North San Antonio Bexar County	3	11:00p			0	0	4	0			Hail
1/2 inch diameter hail covered the ground to a depth of two inches. Some hailstones were 1 inch in diameter. Numerous reports of small hail were received from various locations in North San Antonio. Roof damage was confined mainly to the Hollywood Park area and numerous trees were stripped of foliage. No injuries were reported.											
San Marcos, Hays County	3	11:30p			0	0	?	?			Hail
Hailstones 1 inch in diameter covered the ground in places and caused minor damage to property and vegetation.											
Floresville, Wilson County	4	12:25a			0	0	0	0			Hail
The sheriff of Wilson County reported that 1-3/4 inch diameter hail fell about 1/4 mile north of Floresville on Hwy 181. No injuries or damage were reported.											
10NW New Braunfels, Comal County	13	3:35p			0	0	0	0			Hail
1/2 to 3/4 inch hail was observed by a Department of Public Safety patrolman 1 1/2 miles NW of New Braunfels on Hwy 46. No damage or injuries reported.											
Comal, Comal County	13	3:40p	1/2	40	0	0	4	0			Tornado, heavy rain
Several barn roofs at a horse-race stable were blown off, a few trees were uprooted, and some fences and powerlines were knocked down by the storm. A roaring sound was heard but heavy rain obscured visibility. No injuries reported.											
2 NE Bulverde, Comal County	14	3:45p			0	0	0	0			Funnel
Public sighted a funnel cloud near the intersection of US 281 and S.H. 46. No damage was reported.											
3SE Dripping Springs, Hays County	14	5:10p			0	0	?	?			Hail
Public reported 2 inch diameter hail. Austin radar indicated an intense thunderstorm with possible hail between Driftwood and Dripping Springs. Storm moved northward and over open country.											
Lake Travis, Travis County	14	5:30p-7:25p	16	200	0	0	5	4			Tornado, rain, and hail
A tornado touched down southwest of Bee Cove and moved northward across Lake Travis toward Volente and into Williamson County. 1-3/4 inch hail fell and covered the ground in places to a depth of 8 inches. Hail and wind damage was reported at Lakesey and Volente. Power and phone lines were downed and a boat dock on Lake Travis was destroyed. One boater was injured when his boat ran aground in the storm.											
2E Charlotte, Atascosa County	14	7:23p	1-1/2	20	0	0	?	?			Tornado, hail, heavy rain
An intense thunderstorm moving slowly northeastward dropped 1-3/4 inch hail over open country just south of Charlotte. A funnel cloud and a roaring sound was reported northeast of Hinder. Tree limbs were snapped and a drilling rig was toppled 2 miles east of Charlotte.											
Leander, Williamson County	14	7:30p			0	0	0	0			Funnel
The funnel cloud from the Lake Travis tornado moved north-northeast across Leander. Small hail accompanied the storm but no damage or injuries were reported.											
Junction, Kimble County	14	8:00p			0	0	?	?			Windstorm
Winds in excess of 50mph (51 knots) uprooted trees, broke powerlines, blew in windows and stripped a stone facing from a church. The severe thunderstorm moved parallel to the Llano River. No injuries were reported.											
Florence, Williamson County	14	8:30p			0	0	4	4			Heavy rain, high wind, and hail
2.17 inches of rain fell in 35 minutes causing localized flooding for a short time. Winds from the storm were estimated to be near 70mph and 1/2 to 3/4 inch hail fell. 65% of the damage was due to high winds.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
SOUTHERN									
5 SW Hunt Kerr County	14	11:10p			0	0	4	3	Hail, heavy rain
									1-3/4 to 2 inch hail was reported at World's End Ranch. Damage to roofs of barns and houses was reported along the South Fork of the Guadalupe River. Livestock, fences, and water gaps were swept downstream as the 8-10 inch rainfall caused flooding in streams and rivers in the area. 75% of the damage due to hail.
10 E Le1 Rio Val Verde County	15	1:31a			0	0	0	0	Hail
									1/2 to 3/4 inch diameter hail fell for a short time covering 80 percent of the ground. No damage was reported.
Burnet Burnet County	15	3:35a			0	0	0	0	Hail
									1/2 to 1 inch hail fell from a thunderstorm which moved northeast across the city. No reports of damage or injuries were received.
2E Victoria Victoria County	16	6:10a			0	0	3	0	Windstorm
									A thunderstorm moving northeastward across Victoria County produced winds in excess of 70mph (65 knots) causing minor damage to outbuildings and trees.
Port Isabel Cameron County	16	6:25a	1/2	5	0	0	4	0	Tornado
									The small tornado moved from west to east touching down first on the west side of the city and damaging a boat shed. It then lifted, crossed the city aloft, and touched down at an abandoned lumberyard damaging the roof. No injuries were reported.
College Port Matagorda County	16	6:25a	Short	Narrow	0	0	0	0	Tornado
									A funnel cloud sighted by FAA Palacios personnel touched down briefly near College Port. No damage was reported.
Palacios Matagorda County	16	6:40a			0	0	0	0	Funnel
									A funnel cloud was sighted by FAA Palacios personnel 3/4 miles south of the airport and a large drop in station pressure was observed at about this time.
5 E Brookshire Waller County	16	10:30a	Short	Narrow	0	0	0	0	Tornado
									A funnel cloud touched down briefly over open country causing no damage or injury.
McAllen Hidalgo County	20	7:47p			0	0	0	0	Hail
									3/4 inch diameter hail fell for a short time at the McAllen Airport and in the northeast section of the city. Most hail that fell was 1/4 to 1/2 inch in diameter. No damage or injury reported.
5 S Harlingen Cameron County	21	2:15p	1/10	15	0	0	5	5	Tornado, hail
									A small tornado damaged aircraft and hangers at a crop dusting field south of Harlingen. Two aircraft weather cocked inside clam-shell type hanger before the hanger itself was damaged. Witnesses report hearing "a roaring sound" and rain and hail obscured visibility. Small hail fell over most sections of the county, but the main damage was confined to about 20,000 acres near Rangerville. A survey of the area indicated that 2 inch hail fell on the airfield.
Nueces County	30	6:30a-8:30a			0	2	5	0	Electrical storm
									Lightning struck the tent of two campers on Mustang Island. One camper was seriously burned and the other was slightly injured. Lightning also struck two oil tanks and caused numerous power failures.
N of Portland San Patricio Co	30	7:01a			0	1	4	0	Windstorm
									Thunderstorm winds overturned a mobile home and slightly injured one man as he attempted to escape from the home. The mobile home was not tied down.
Northeast Cameron County	30	4:40p			0	0	0	0	Hailstorm
									3/4 to 1 inch diameter hail fell near the Cameron County Airport, but most hail was 1/4 to 1/2 inch in diameter. No damage was reported as the storm moved from north to south.
TEXAS (continued)									
WESTERN									
6 miles west of Balmorhea, Reeves County	14	10:33a-	?	?	0	0	0	0	Tornado
									Tornado on the ground briefly in open country. No damage reported.
Just west of Grandfalls, Ward County	14	12:25P-	?	?	0	0	0	0	Tornado
									Tornado on the ground briefly in open country. No damage reported.
Just to west of Penswell, Ector County	14	1:00P-							Funnel cloud
									Funnel cloud reported dipping up and down but not reaching ground.
Big Springs, Howard County	14	1:20P-			0	0	0	0	Hail
									Hail to 3/4" in diameter fell briefly. No damage reported.
Just southwest of Shallowater, Lubbock County	14	3:38P-							Funnel cloud
									Several funnel clouds reported just west of Reese AFB and just southwest of Shallowater.
4 miles southwest of Tehoma, Sherman County	15	3:25P-							4 Funnel clouds
									Four funnel clouds observed by Texas Highway Department personnel.
10 miles southsouth- west of Floydada, Floyd County	17	1:50P-							2 Funnel clouds
									Funnel clouds reported by the Floyd County Sheriff.
one mile east of Idalou, Lubbock County	17	2:20P-							Funnel cloud
									Funnel cloud reported by pilot.
Monahans, Ward County	19	12:25P- 12:35P	4	200	0	18	6	0	2 Tornadoes
									Two tornadoes touched down just west of Monahans and moved eastward into town. No one was killed but the Department of Public Safety reported at least 18 persons suffered minor injuries. The tornadoes damaged an estimated 200 residences about 45 destroyed in a 37 block area. Other facilities damaged or destroyed were: Ward Memorial Hospital destroyed-estimated damage \$1.7 million, Monahans Convalescent Center- total loss, Tatum Elementary School lost its roof and Edwards Elementary suffered damage, Monahans Shopping Center and First Baptist and St. Paul's Lutheran Churches heavily damaged.
8 miles south of Monahans, Ward County	19	1:10P-			0	0	0	0	Tornado
									Tornado on the ground briefly. Reported by the Department of Public Safety. No damage reported.
10 miles southwest of Plains, Yoakum County	19	1:50P-			0	0	0	0	Tornado
									Yoakum County Sheriff's Department reported tornado on the ground briefly. No damage reported.
5 miles south of Odessa, Ector County	19	2:10P-			0	0	0	0	Tornado
									Tornado touched down and lifted back up. No damage.
6 miles south of Midland/Odessa Air Terminal, Midland County	19	2:45P-			0	0	0	0	Tornado
									Tornado on the ground briefly. Reported by the Department of Public Safety. No damage reported.
15 miles southwest of Dalhart, Hartley County	19	2:48P-							Funnel cloud
									B-52 reported funnel cloud.
10 miles southwest of Clarendon, Donley County	19	3:30P-			0	0	0	0	Tornado
									On the ground briefly, no damage.
5 miles west of Denver City, Yoakum County	19	3:45P-			0	0	0	0	Tornado
									On the ground briefly in open country, no damage.
6 miles north of Denver City, Yoakum County	19	3:45P-			0	0	0	0	Tornado
									On the ground briefly in open country, no damage.
Lakeview, Hall County	19	4:05P-			0	0	4	0	Tornado
									Tornado on the ground briefly. Several barns and cotton trailers destroyed with some minor damage to the cotton gin.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
WESTERN									
5 miles south of Seagraves, Gaines County	19	4:30P-			0	0	0	0	Tornado
On the ground			briefly, no damage.						
Just south of Lubbock, Lubbock County	19	5:35P-							Funnel cloud
Funnel cloud reported by civil defense spotters.									
12 miles southwest of Tulia, Swisher County	19	6:12P-			0	0	0	0	Tornado
On the ground			briefly, no damage.						
15 miles south of Lubbock, Lubbock County	19	6:55P-							Funnel cloud
Reported by off duty police officer.									
Just northeast of El Paso, El Paso County	20	11:40A-			0	0	0	0	Hail
Hail to 1 3/4" in diameter fell in open country.			No damage reported.						
Just west of Roscoe, Nolan County	20	1:18P-							Funnel cloud
Funnel cloud reported by sheriff's department.									
near Southland, Lynn County	20	4:15P-							Funnel cloud
Reported by Department of Public Safety.									
Near Post, Garza County	20	4:25P-							Funnel clouds
Numerous public reports of funnel clouds.									
2 miles south of Petersburg, Hale County	20	5:15P-							Funnel cloud
Reported by Floyd County Sheriff's Department.									
Near Lorraine, Mitchell County	20	6:20P-			0	0	0	0	Hail
Hail to 1 3/4" in diameter fell in open country.			No damage reported.						
Just east of Sweetwater, Nolan County	20	7:15P-			0	0	0	0	Hail
Hail to 1 3/4" in diameter fell in open country.			No damage reported.						
20 miles east of Dumas, Hutchinson County	29	7:00P-							Funnel cloud
Department of Public Safety observed funnel cloud.			No damage.						
Odeesa, Ector County	29	8:20P-							Funnel cloud
City police reported funnel cloud but never neared the ground before returning to the clouds.									
Midland, Midland County	29	9:05P-			0	0	0	0	Hail
Hail to 1 3/4" in diameter fell briefly. No damage reported.									
UTAH									
NONE REPORTED									
VERMONT									
AREAWIDE									
	3	4A-1P			0	0	4	0	WIND
Winds gusting from 40 to 70 MPH downed many trees, telephone lines, and powerlines. There were numerous reports of damage to homes. A poplar tree fell on a residence in Randolph, Orange County, damaging part of the home. A 70 MPH wind gust overturned a mobile home in St. Albans, Franklin County.									
Extensive damage occurred at Lake Champlain transportation dock when waves broke over the steel sheet piling walls, moving them three to four feet off their foundations.									
VIRGINIA									
SW Portion	3-5				4	7	8	7	Flash Flood and Flooding
Heavy rain beginning the afternoon of the 3rd continued for approximately 30 hours. Amounts of 6 to 8 inches were prevalent over the area, with 10-inch rainfall total reported at Coeburn, in Wise County. Many towns were devastated, including Grundy, Buchanan County, Haysi, Dickenson County, and Coeburn and Norton in Wise County. Drowning took three lives in Buchanan County and one in Dickenson County. Some 5,421 homes and small businesses were affected of this total 340 homes or mobile homes were destroyed. In Grundy 90% of the business district was reported "wiped out", while only two buildings in the town of Haysi remained intact. 63 persons received storm-related injuries, of which only 7 required hospitalization, the others were in the minor category. Communications were put off to several towns and power and sewage systems were inoperable in many areas. The State Department of Highways and Transportation reported 200 miles of primary roads and 1400 miles of secondary roads affected and would require an estimated \$16 million to repair. Mudslides, washouts or high water closed some 75 roads, while 34 highway bridges were washed out or damaged. Extent of damage resulted in the declaring of the 14 western-most counties of the state, along with the city of Norton, as Federal disaster areas.									
Patrick County	4	9:45 p-10:15 p			0	0	4	0	Wind
Windstorm caused the following damage in the vicinity of Stuart: A parked camper turned over and heavily damaged; Carport knocked off its supports and roof damaged on unoccupied house; Packing-house reported damage to property; other damage done to trees and small sheds in the area, along with roof shingles on one or two other dwellings. Damage to residences estimated at near \$15,000 and damage to other farm buildings and property at \$10,000.									
Onancock, Accomac County	5	9:03 a	2	50	0	0	5	0	Tornado
Tornado, moving from southwest to northeast, touched down several times. Path began on southwest part of town, passed within a block of the center, and dissipated about 1/2 mile northeast of town. The main damage included: Loss of ball tower of church; One-car garage completely destroyed; Two one-story chicken houses completely destroyed along with several small storage buildings; Metal roof of house stripped off. Except for some shingles, most house or building damage was caused by falling trees. Along the storm path about 15 trees were uprooted and more than 50 sustained light damage. A farmer southwest of town saw a funnel pass overhead and drop to the ground over town. A boy also reported he saw a "black cone", which was also seen by two workers who were repairing a bridge. People in town heard a noise such as the roar of many trains passing by. Damage was estimated at \$200,000 of which more than \$75,000 was sustained by the church.									
Lynchburg Vicinity	5	Afternoon & Night			0	0	2	0	Wind
Winds that gusted to 50 mph caused trees and limbs to break power lines in the area.									
Covington	5	Night			0	0	3	0	Wind
Wind inflicted considerable damage upon 75 year-old barn on the "Old Byrd Farm".									
Wakefield, Sussex County	13	2:15 p			0	0	3	0	Dust Devil
On a clear day with temperature near 90 degrees, a dust devil touched down at local airport. Crop duster's equipment trailer, about 30 feet long, was lifted about 30 feet into the air where it turned wheels up and dropped, roof down, to earth and smashed to pieces. Funnel continued in eastward direction across the airfield, missing trees and buildings but carrying aloft such debris. Sheets of insulation from the trailer were found in pine trees 500 feet away. Witnesses noted a roaring sound as funnel touched down. Total damage estimated at \$3,000.									
Pennington Gap, Lee County	23	Night			0	0	3	0	Lightning
Lightning bolt followed utility power line into house. Holes were burned in the aluminum siding, some wiring completely burned and some appliances and fixtures damaged. Estimated damage: \$2,500.									
Northern Portion	24	4:45 p-5:00 p			0	0	0	0	Hail, Wind
City of Alexandria, along with portions of Fairfax and Prince William Counties, reported 1/4" to 1/2" hail covered the ground in places and wind gusts to 50 mph. No damage apparently occurred.									
City of Petersburg & Dinwiddie County	24	Evening			0	0	5	0	Hail
Golfball-size hail resulted in what insurance companies said were the most claims since Hurricane Hazel back in 1954. Walnut Hill section of Petersburg apparently received the major damage, along with portions of northern Dinwiddie County. One home said to have \$7,000 to \$8,000 damage due to roof being damaged severely, chipped exterior paint and over 30 windows of jalousied porch broken. Dents and broken glass accounted for widespread automobile claims with some of these running as high as \$1,200. Adjusters put total damage at more than \$250,000.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1977

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE		CHARACTER OF STORM	
					KILLED	INURED	PROPERTY	CROPS	PROPERTY	CROPS		
VIRGINIA (continued)												
	A break-down of damage amounts as of May 20, 1977 follows:											
	<u>DAMAGE to NEAREST THOUSAND DOLLARS</u>											
County					Agricultural	Private	Public	Prop.	Total			
BLAND					92	116	39		247			
BUCHANAN					20	79,273	14,565		93,858			
DICKENSON					55	23,887	961		24,903			
GILES					30	638	65		733			
GERMYSON					-	-	120		120			
LEE					2,724	37,793	11,740		52,257			
PULASKI					276	347	212		1,835			
RUSSELL					532	133	158		5,822			
SCOTT					1,091	3,000	108		4,199			
SMITH					369	12,368	3,232		15,970			
TAZEWELL					78	508	270		856			
WASHINGTON					180	904	488		1,572			
WISE					267	19,516	2,101		21,884			
WYTHE					6	-	15		21			
NORFOLK (city)					-	2,130	232		2,362			
TOTAL:					5,720	188,613	34,306		226,639			
	Carroll County was listed on the Federal Disaster Relief list due to water supply contamination, the cost of which has not been determined at this writing.											
	The combination of adequate warnings from the Weather Service Offices, effective local emergency or self-help plans and evacuation procedures, and employment of flash flood warning alarms unquestionably were responsible for keeping the casualty rate low, considering the amount of destruction that was involved.											
VIRGIN ISLANDS					NONE REPORTED							
WASHINGTON					NONE REPORTED							
WEST VIRGINIA	NO STORM DATA REPORT RECEIVED FOR THIS STATE.											
WISCONSIN												
Brookfield area, Waukesha County, Wauwatosa & Milwaukee County	2	2:05p	12	100	0	2	6	0			Tornado	
	A funnel cloud was sighted and confirmed at 1:44 p.m. over the west end of Pewaukee Lake in Waukesha County. The funnel remained aloft as it traveled eastward and first touched down as a tornado at 2:05 p.m. just east of Springdale Road and north of North Avenue in the New Camelot Forest housing subdivision in the town of Brookfield in Waukesha County. The first area of major damage occurred near the intersection of Almesbury Avenue and Almesbury Court where a nearly completed home under construction was completely destroyed. Several other newly completed homes east of Almesbury Avenue and north of Almesbury Court were heavily damaged. The tornado then continued its eastward movement to Barker Road about 1/2 mile north of North Avenue where it blew down large trees in its path and caused some damage to a nearby house. As the tornado moved east of Barker Road, it lifted aloft as a funnel cloud for about a mile until it touched down once again just east of Brookfield Road near Memorial Drive. A roof on a nearby elementary school was partially blown off. Damage to a number of homes occurred east of Brookfield Road in the city of Brookfield. Most of the damage in this area consisted of roofs blown off homes with some homes sustaining heavier damage to walls. One garage was totally destroyed. As the tornado moved into eastern Brookfield, it once again lifted aloft. The tornado touched down again north of North Avenue at 110th Street in the city of Wauwatosa in western Milwaukee County where a roof was torn off an apartment building. The tornado next struck the northwest Mayfair shopping center parking lot off 108th Street where windows on 200 parked cars were blown out. All the windows of some of the vehicles were completely destroyed. As the tornado continued to skip eastward, the last significant damage reported occurred to a beer depot at 89th Street and North Avenue where part of the roof of the building was damaged. No other damage reports were received east of 89th Street and the tornado apparently lifted for the last time and dissipated. The final tally of damage, based on newspaper clippings, news reports and civil defense reports, showed four homes destroyed, 16 heavily damaged and 150 sustaining some damage. An estimated 2 1/2 million dollars of damage was inflicted by the tornado to the area.											
Central and northeast portion state	4 & 5				0	0	?	0			Snowstorm	
	Six to 13 inches of snow fell across much of central and northeast Wisconsin. The precipitation began as a mixture of rain and snow in the area but changed to all snow during the day. The snow was wet and temperatures were near freezing and little drifting occurred with only minor traffic problems reported.											
WYOMING					NONE REPORTED							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:																				
LATE REPORTS NEW JERSEY										LATE REPORTS NEW YORK										
ESSEX COUNTY										COASTAL										
	13		MARCH 1977			0	0	0	0	Rain and Flood		4				0	0	0	0	Rain
	Nearly 2 inches of heavy rain fell in 4 hours. This continuous rainfall caused highways and basement flooding and mud slides throughout the County. There were no reports of major damages.										New York City									
	Nearly 2 inches of heavy rain fell in 4 hours. This continuous rainfall caused highways and basement flooding and mud slides throughout the County. There were no reports of major damages.										2.65 inches of rain fell over New York City causing minor highway street and basement flooding. No major damage or injuries were reported.									
STATE	18					0	3	?	?	Snow	AREA	3-14				0	0	0	0	Rain and Flood
	More than 2 inches of snow fell over the Southern part of the state but in the Northern half of the state up to 5 inches of snow was reported.										Local highway and basement flooding occurred after nearly 2 inches of rain fell over the area.									
	Several minor highway accidents were reported throughout the state. Three persons were injured in four separate weather-related accidents in South Orange.										AREA									
	Several minor highway accidents were reported throughout the state. Three persons were injured in four separate weather-related accidents in South Orange.										22-23									
STATE	22					0	0	?	?	Rain, Flood and wind		A record 3.44 inches of rain fell over the New York Metropolitan area. This heavy downpour coupled with snow and wind caused hazardous driving conditions.								
	High winds and heavy rainfall combined in a spring storm which caused flash flooding of several small rivers and streams in the Northern part of the state. Nearly 3 inches of rain fell over the state										North and East of the city minor flooding of streets and local highways were reported. No major damages or injuries were reported									
	High winds blew down trees and utility wires in several areas. There were no reports of major damage or injuries.										Gusty winds downed several trees and utility wires in all areas.									

- 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 Million
 - 7 \$5 Million to \$50 Million
 - 8 \$50 Million to \$500 Million
 - 9 \$500 Million to \$ 5 Billion

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

SUBSCRIPTION PRICE: \$3.60 a year; \$4.80 additional for foreign mailing; 30c single copy. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, NC 28801. Attn: Publications.

USCOMM-NOAA-ASHEVILLE, N.C. 6/14/77-1700

U. S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N. C. 28801

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF COMMERCE
210



THIRD CLASS
BULK RATE