

MAY 1990  
VOLUME 32  
NUMBER 5

# STORM DATA

SPEED  
LIMIT  
30

AND UNUSUAL WEATHER PHENOMENA  
WITH LATE REPORTS AND CORRECTIONS



**noaa**

NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE,  
DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER  
ASHEVILLE, N.C.

**COVER:** The second of two "waves" of flooding to hit Hot Springs, Arkansas the night of May 19-20, 1990. This photo was taken at the intersection of Central Avenue and Prospect Avenue. The flash flooding was the result of almost 13 inches of rain which fell in about nine hours. Although about 85 people had to be rescued from flooded cars or buildings on this night, no deaths resulted. *Courtesy: David Vann of The Sentinel-Record; Hot Springs, Arkansas.*

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### **STORM DATA**

(ISSN 0039-1972)

National Climatic Data Center

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**STORM DATA** is prepared, funded, and distributed by the National Oceanic and Atmospheric Administration (NOAA). The Outstanding Storms of the Month section is prepared in cooperation with Mr. Vince Miller, Associate Editor. He is a broadcast meteorologist for THE WEATHER CHANNEL® in Atlanta, Georgia.

The Storm Data and unusual Weather Phenomena Narratives and Hurricane/Tropical Storm summaries are prepared by the National Weather Service. Monthly and annual statistics and summaries of tornado and lightning events resulting in deaths, injuries, and damage are compiled by cooperative efforts between the National Climatic Data Center and the National Severe Storms Forecast Center.

**STORM DATA** contains all confirmed information on storms available to our staff at the time of publication. However, due to difficulties inherent in the collection of this type of data, it is not all-inclusive. Late reports and corrections are printed in each edition.

Maps of the National Weather Service Forecast Zones which are used in the Storm Data and Unusual Weather Phenomena section will be printed in all editions.

Except for the limited editing for grammatical errors, material submitted are generally published as received.

Subscription, pricing, and ordering information is available from:


National Climatic Data Center  
Federal Building  
Asheville, NC 28801-2696  
(704) 259-0682 or (704) CLIMATE

The editors of **STORM DATA** solicit your help in acquiring photographs (prints or slides; black and white, or color), maps, clippings, etc. of significant or unusual weather events (past or present). These could be for use in the "Outstanding Storms of the Month" or "Et Cetera" sections of **STORM DATA**. We request our subscribers or other interested persons to mail such items to:

Mr. Vince Miller  
1464 Wood Thrush Way  
Marietta, GA 30062

Any such items received by the editors will be for use in **STORM DATA** only. Any other use will be with the permission of the owner of said items. Materials submitted will be returned if requested in the original submission.

"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 Data Center, Asheville, North Carolina 28801."

  
Director  
National Climatic Data Center

## STORM FOLKS . . .



Biographical Sketch  
**GARY R. WOODALL**

Currently the Warnings and Preparedness Meteorologist at the NWS Forecast Office in Lubbock, Texas. Gary was born and raised in Orlando, Florida, and received his BS degree in Meteorology from Florida State University in 1985. He attended Oklahoma University from 1985 to 1987 where he received his MS degree in Meteorology. Also, he served on the OU Severe Storm Intercept Team during the springs of 1986 and 1987.

In January 1988, Gary entered the National Weather Service as a Meteorologist Intern at the

NWS Office in Midland, Texas. In addition to performing the routine observing, warnings, and local forecasting duties at WSO Midland, he was an active participant in WSO Midland's preparedness program during the 1988-1990 preparedness seasons.

Gary joined the staff of WSFO Lubbock in May 1990. Along with his preparedness work, Gary spends time on duty preparing forecasts and developing various local- and regional-use forecasting programs.

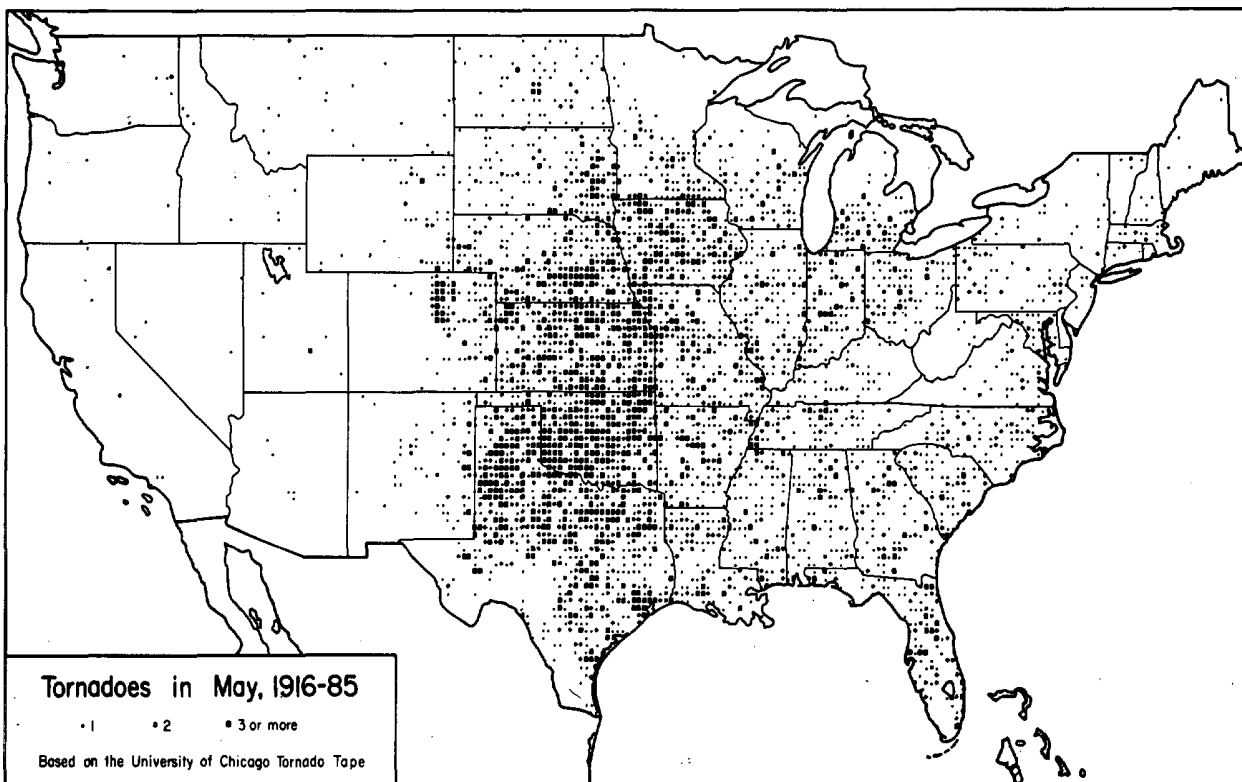
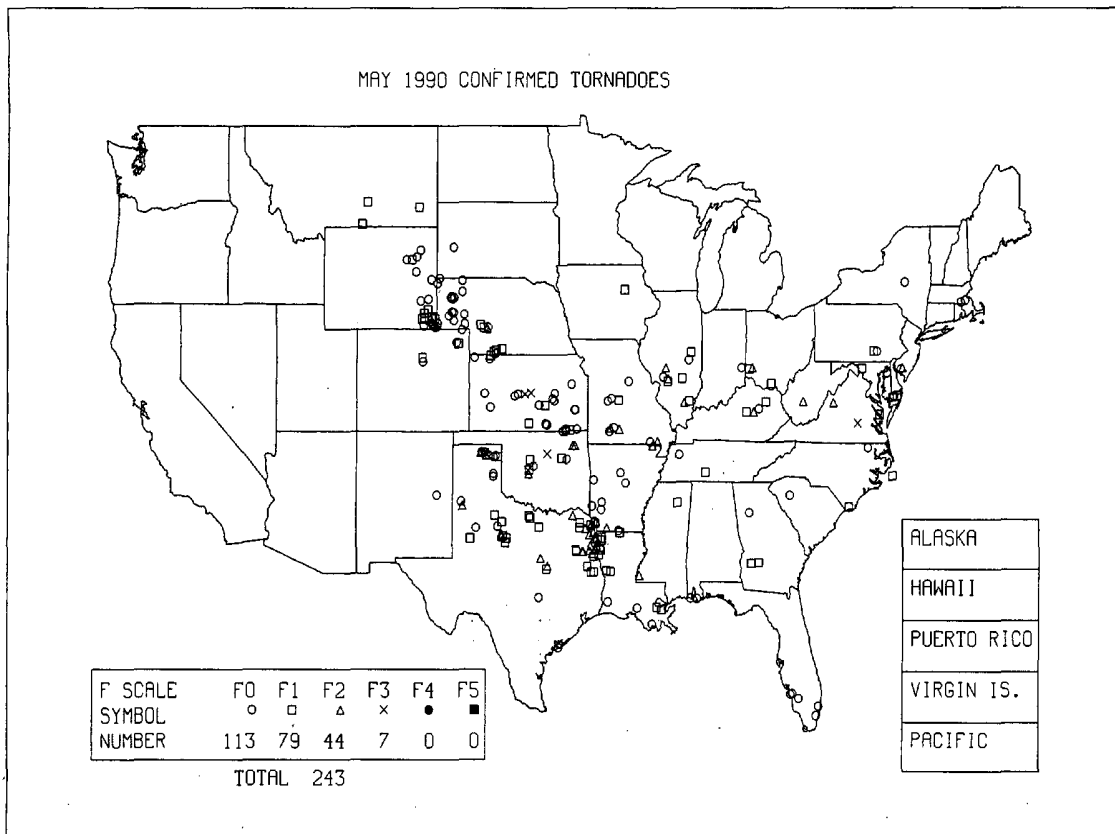
### EDITOR'S NOTES

Late reports and corrections have been printed in only the January, April, July, and October editions for several years. This practice may have contributed to the confusion that is often the result of the dissemination of various preliminary statistics by several government offices, e.g.,

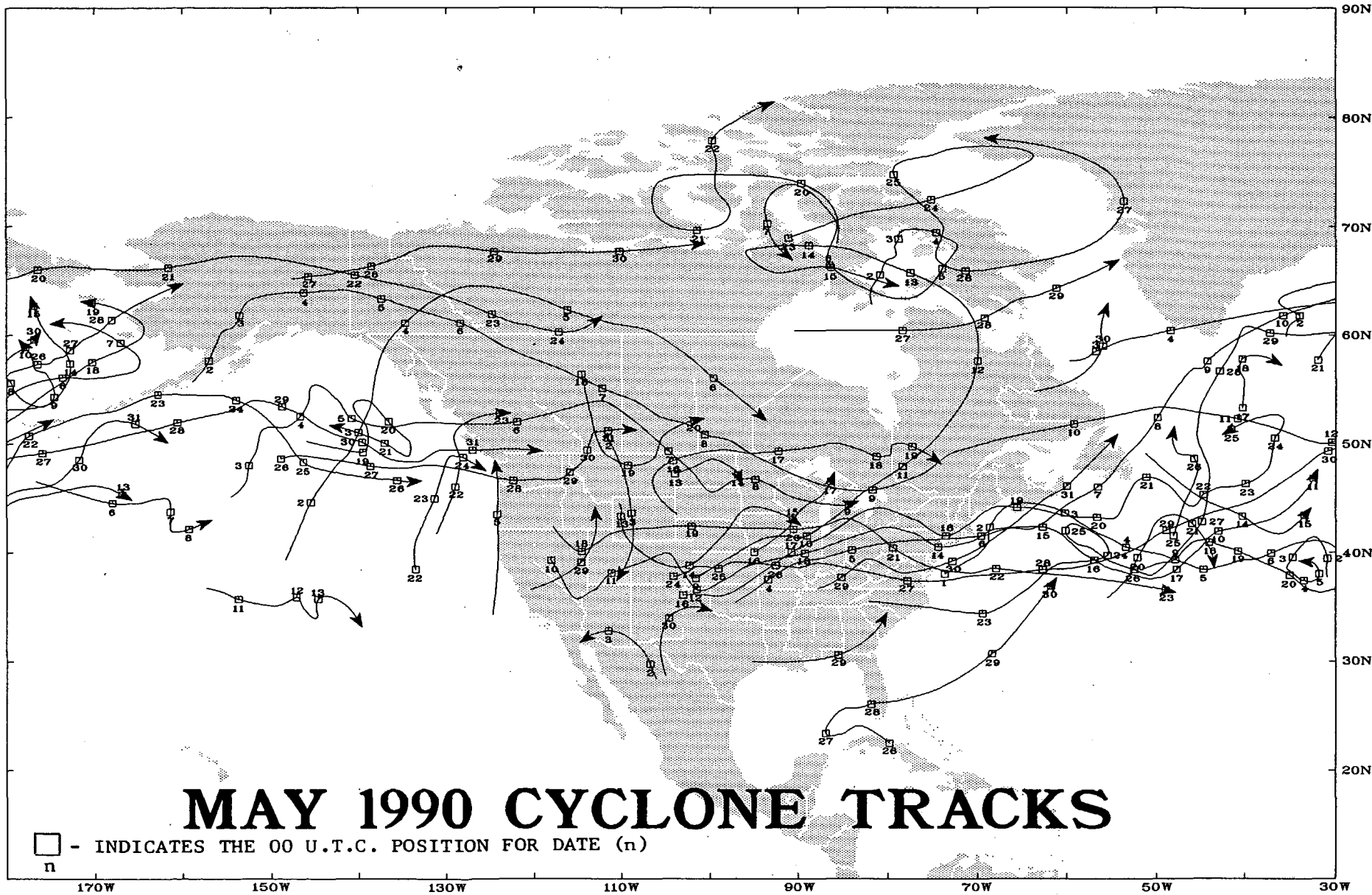
lightning deaths and injuries. These statistics often vary significantly from office to office and are not always identified as preliminary data.

Effective with this edition, late reports and corrections will be printed in each issue.

# OUTSTANDING STORMS OF THE MONTH



5



# MAY 1990 CYCLONE TRACKS

□ - INDICATES THE 00 U.T.C. POSITION FOR DATE (n)  
n

170W 150W 130W 110W 90W 70W 50W 30W

90N  
80N  
70N  
60N  
50N  
40N  
30N  
20N

# 1. PRECIPITATION AND TEMPERATURE ANOMALIES - MAY 1990

Table 1 shows the May 1990 temperature and precipitation rankings for May 1990 for the nine climatically homogeneous regions shown in Fig. 1.

Much of the U.S. recorded an unusually wet May (6th wettest May since 1895 on a National basis) - exceptions being most of the Rockies, the Southwest, the northern Plains and upper Midwest, the Southeast, and parts of the southern Plains. (Figs. 2 and 3 on the following page). Much of the northern two-thirds of the U.S. had a cooler than normal May (Fig. 4 on page 8).

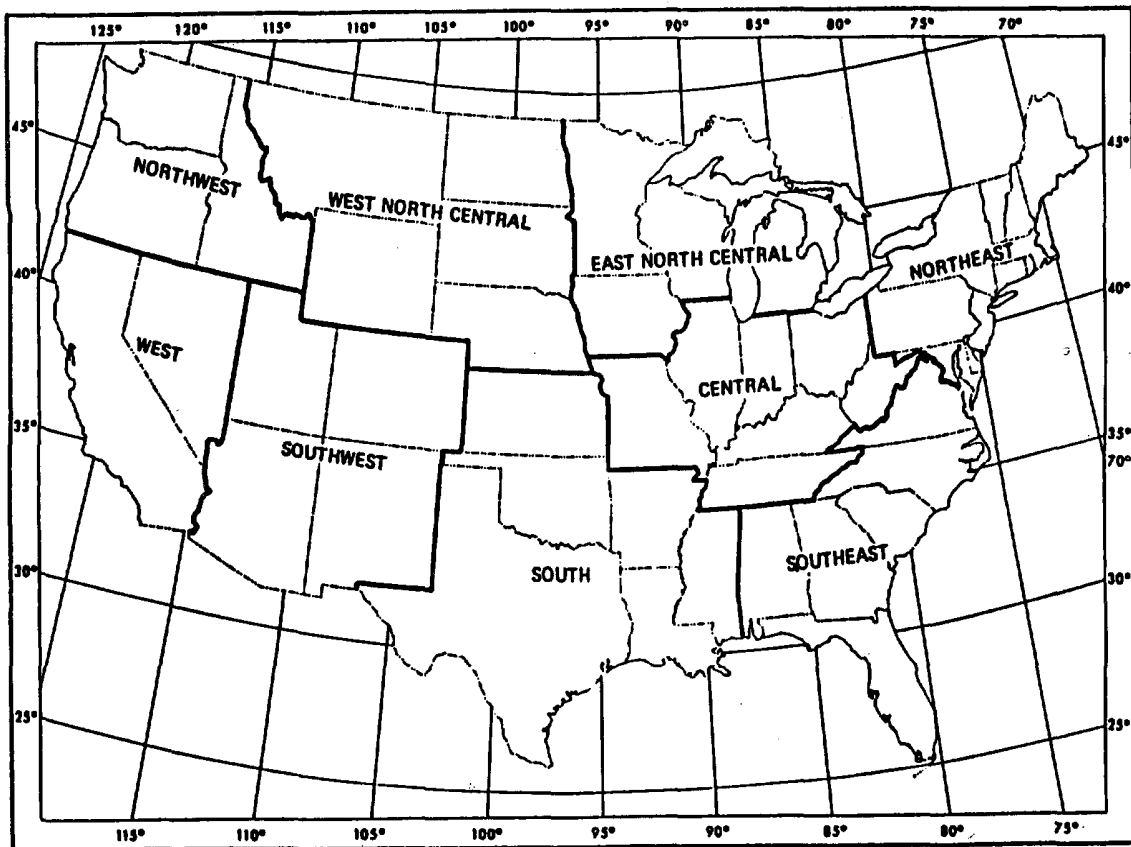
TABLE 1. TEMPERATURE AND PRECIPITATION RANKINGS FOR MAY 1990, BASED ON THE PERIOD 1895-1990.

1 = DRIEST/COLDEST, 96 = WETTEST/HOTTEST.

REGION	PRECIPITATION	TEMPERATURE
Northeast	94	16
East North Central	70	26
Central	96	20
Southeast	63	45
West North Central	71	34
South	77	35
Southwest	19	51
Northwest	87	29
West	89	47
National	91	10

*From National Climatic Data Center*

Fig. 1



*From National Climatic Data Center*

Fig. 2

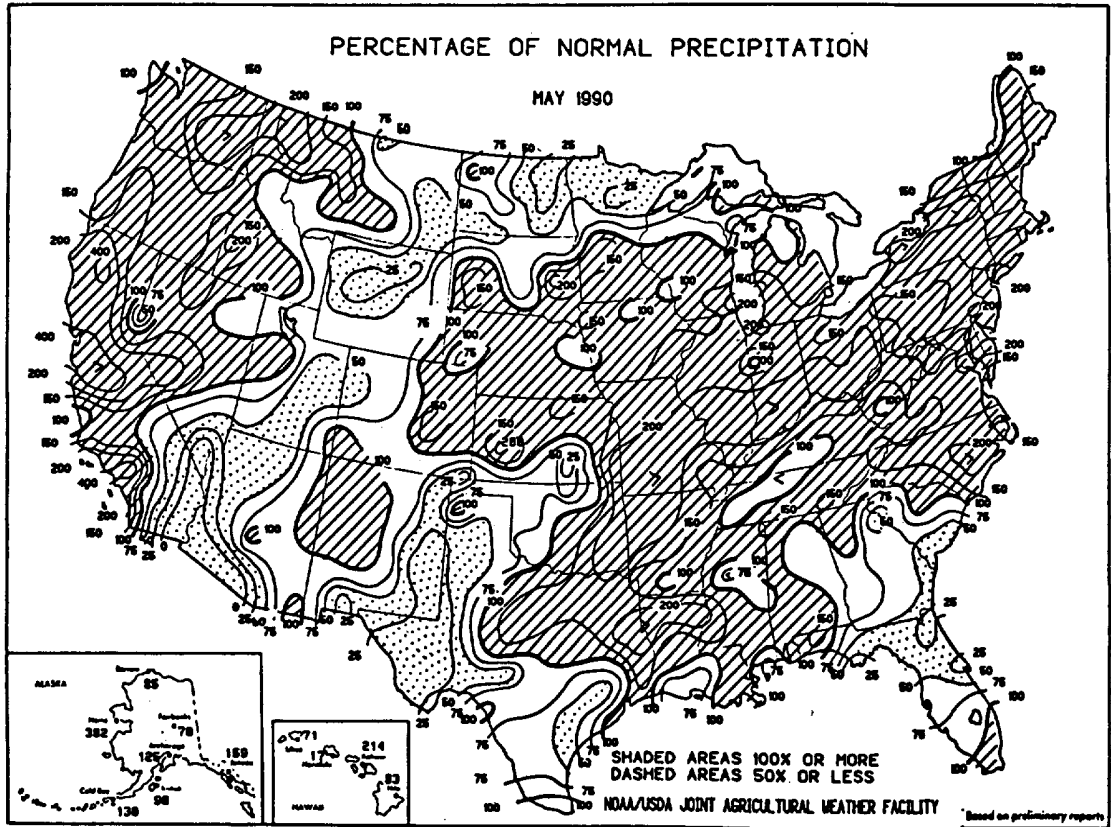
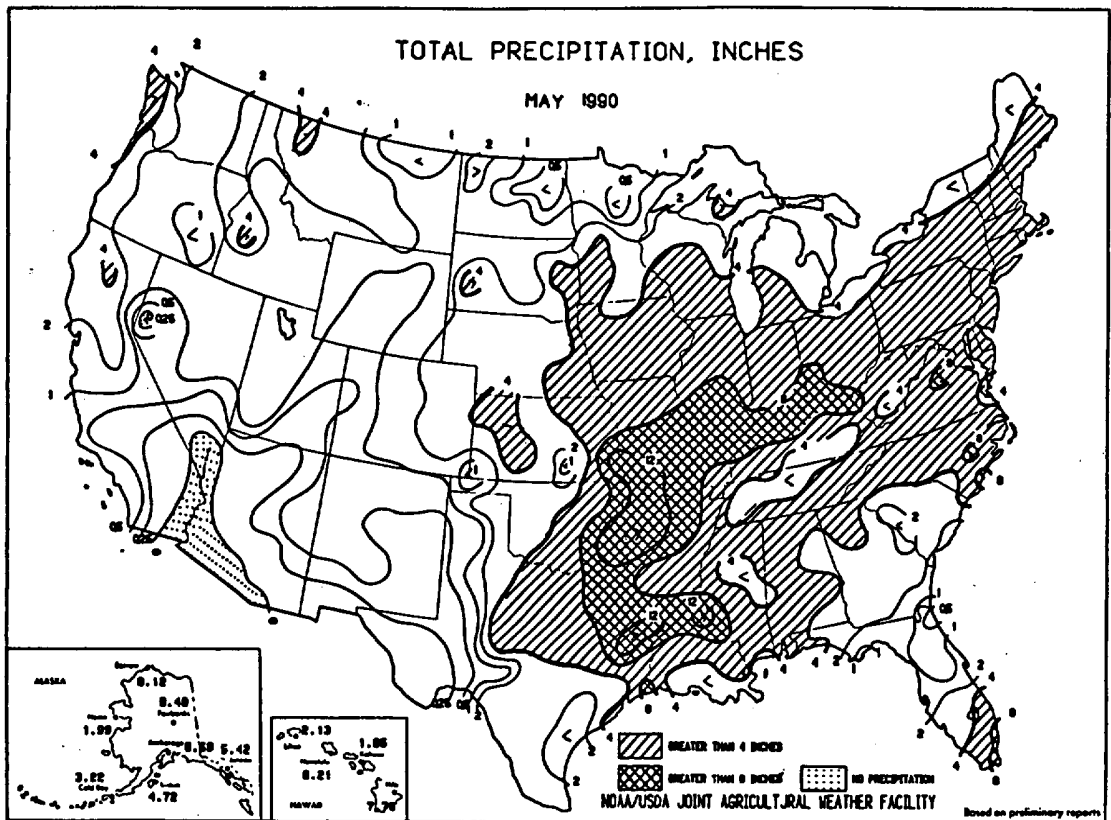
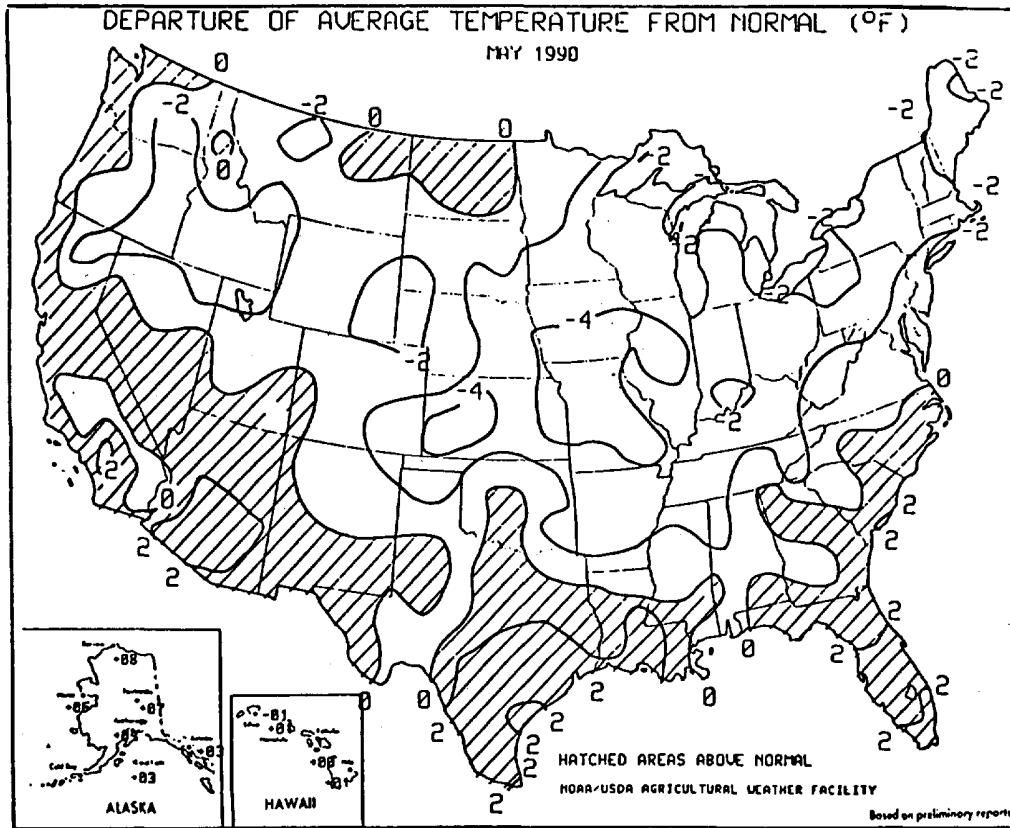


Fig. 3



Above figures reprinted from *Weekly Weather and Crop Bulletin* - June 12, 1990

**Fig. 4**



*Reprinted from Weekly Weather and Crop Bulletin - June 12, 1990*

## 2. MAY 1990 FLOODING

Flooding is not an unusual event in the U.S. in May, but May 1990 was characterized by several widespread floods and significant flash flood events. Near record floods occurred along the Arkansas River in much of Arkansas and along the Red River separating Oklahoma from Texas. (Much of northern Texas had already surpassed average yearly rainfall totals by May 1st. Lake Texoma overflowed its spillway for the first time since 1957.) Near record flooding also occurred along the Red River downstream in Arkansas and Louisiana, and in eastern Texas along the Brazos, Trinity, Sulfur, Sabine, Neches, and Angelina rivers. Significant flooding also was noted at times in May in portions of Missouri, Iowa, Illinois, Indiana, Ohio, and Kentucky.

Damages from the flooding totaled hundreds of millions of dollars. Highest May precipitation, in inches, totaled (from various state CLIMATIC DATA - MAY 1990):

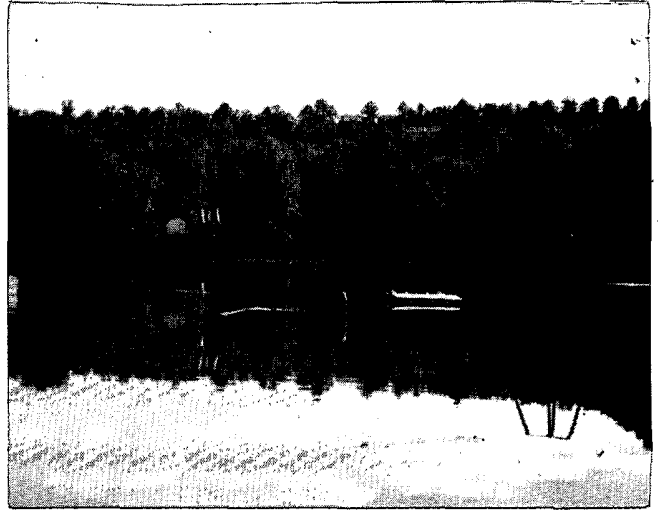
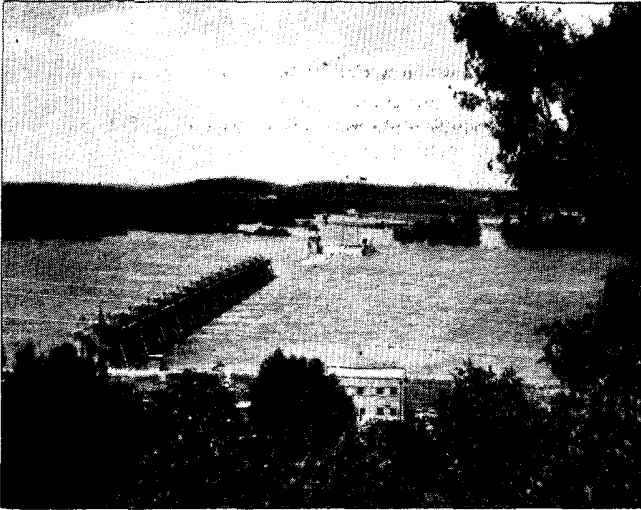
Oklahoma	22.00	Smithville
Arkansas	20.41	Glenwood
	20.22	Hot Springs 1 NNE
Kansas	18.35	Chanute FAA Airport
Texas	17.28	Lufkin 7 NW
Missouri	15.97	Versailles
Indiana	13.48	Petersburg 61 Bridge
Illinois	13.42	Hillsboro
Louisiana	13.26	Bienville 3 NE
Iowa	12.34	Sioux City Perry Creek
Ohio	12.20	Fayetteville
Kentucky	11.57	Louisville WSFO



## 2(a). ARKANSAS RIVER FLOOD

The Arkansas River crested above flood stage from eastern Oklahoma to its confluence with the Mississippi River. For much of its course

through the state of Arkansas, the flood was the worst since the completion of McClellan-Kerr Navigation System in 1970.

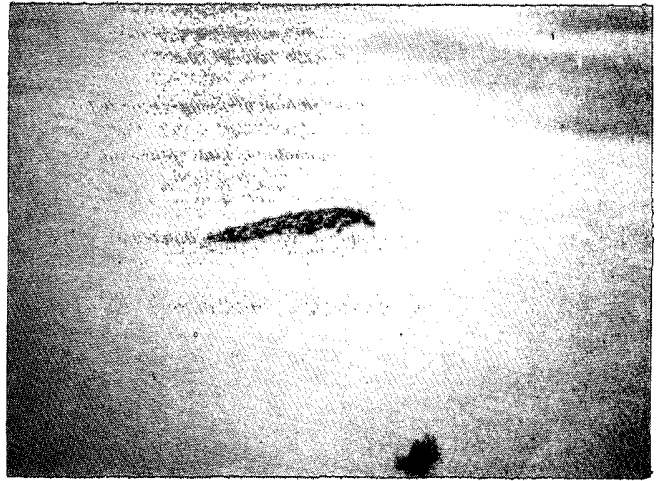
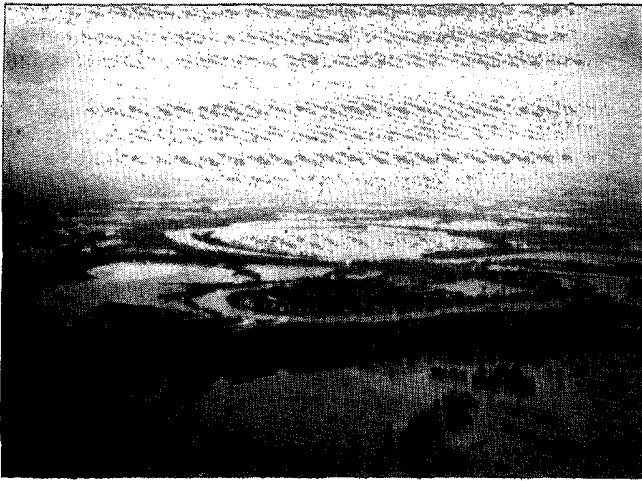


*Top (left):* Murray Lock and Dam with the North Little Rock (Arkansas) Hydroelectric Plant in background. *Top (right):* Playground of North Little Rock's Bellwood Elementary School. *Photos courtesy: Jim Kramper, WSFO North Little Rock.* *Middle (left):* Flooded workshop behind Pine Bluff home. *Courtesy: Rick Joslin; Pine Bluff (Arkansas) News.* *Above:* One Pendleton homeowner's method of keeping their tiller and lawnmowers high and dry. *Left:* Flooding in Pendleton. *Last two photos courtesy: the Dumas (Arkansas) Clarion.*

## 2(b). RED RIVER FLOOD

The Red River crested above flood stage from above Lake Texhoma (which defines part of the Oklahoma-Texas border) downstream through Louisiana. This

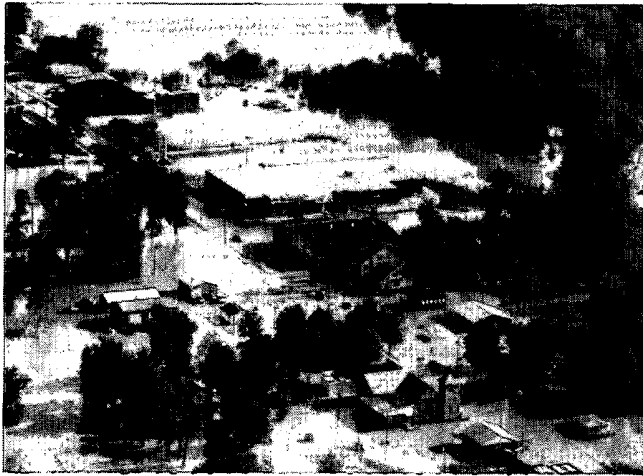
was the river's worst flooding since 1945. The pictures below are all flood scenes along the Red River in extreme southwestern Arkansas.



**Top (left):** The overflow of the Red River near Index. The river here remained at crest from May 8th until May 11th. **Top (right):** Cattle trying to survive on "high" ground. Up to 18,000 Arkansas cattle were stranded by floodwaters; many drowned. **Middle (left):** Flooded farmland south of Foreman. **Middle (right):** Arkansas Highway Department crew over submerged roadway. **Bottom (left and right):** Homes surrounded by floodwaters. *All photos this page courtesy: Little River News; Ashdown, Arkansas.*

## 2(c). SOUTHERN INDIANA FLOODING

Heavy rains (8.10 inches at Orleans) fell from May 15th to early on the 17th on the already-saturated soils of southern Indiana.



*Above (left):* Flooding in French Lick, Indiana. *Photo courtesy: Kent Phillips; Bloomington (Indiana) Herald-Times.* *Above (right):* Discretion, rather than valor, should be exercised as the swift waters of Lick Creek flow over this bridge in Paoli, Indiana. *Photo courtesy: Valerie Moon; Orange County Publishing Company; Paoli, Indiana.*

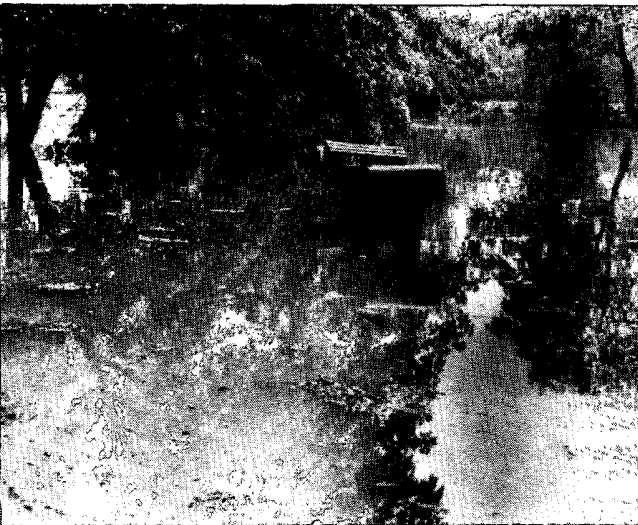
## 2(d). HOT SPRINGS (ARKANSAS) FLASH FLOOD

Two four- to six-foot waves of flood waters roared through parts of downtown Hot Springs the night of May 19th-20th: the result of almost 13 inches of rain in nine hours. The release of flood waters from Carpenter Dam (downstream

from Hot Springs) caused an estimated 30-foot rise in water level in Lake Catherine. Cabins and mobile homes on Lake Catherine's shore were swept away--many floated over the top of Rammel Dam.



The second flood (about 12:45 a.m. CST)--at the intersection of Market Street and Broadway Street. Sawmill Depot is at the center-right. *Photo courtesy: David Vann; The Sentinel-Record; Hot Springs, Arkansas.*



*Top:* The intersection of Bridge Street, Malvern Avenue, and Broadway Street during the first flood --about 10:00 p.m. CST. *Middle:* Elmwood Street residents being evacuated the morning of the 20th. *Bottom:* High water inundates the Shady Grove Road area. *Photos courtesy: David Vann; The Sentinel-Record; Hot Springs, Arkansas.*

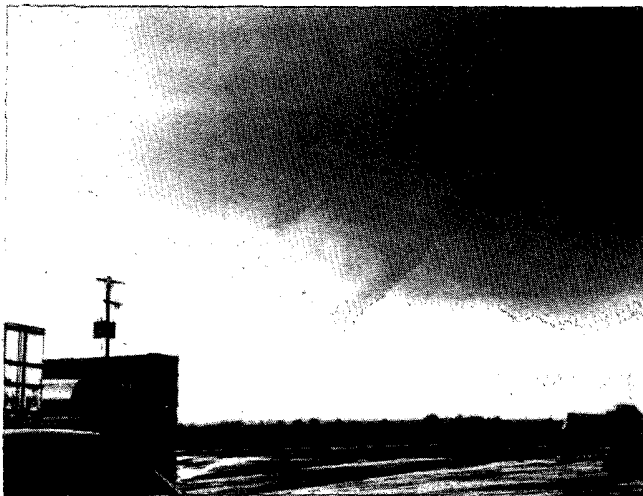
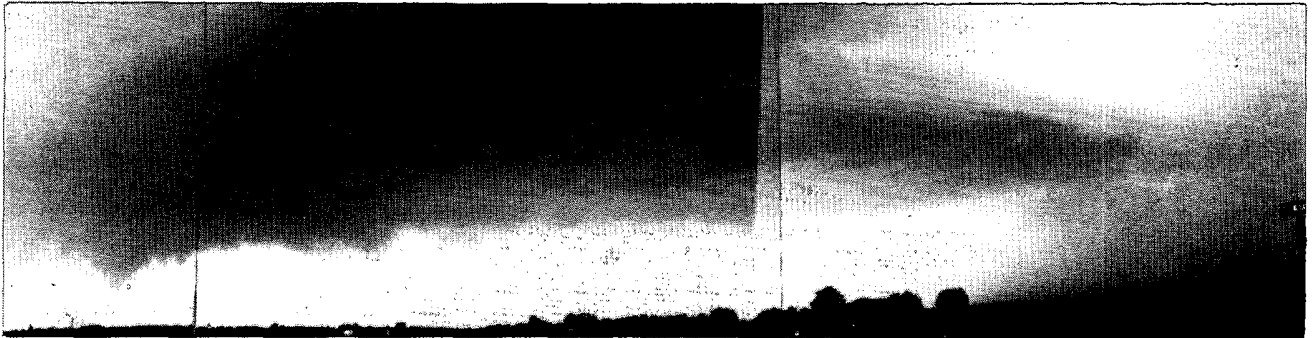
### 3. OKLAHOMA SEVERE WEATHER OF MAY 15, 1990

Severe thunderstorms produced six tornadoes and numerous reports of large hail and wind damage across northern and central Oklahoma during the

afternoon into the nighttime hours. One person was killed by a tornado in Stillwater.



*Far left:* Baseball- to softball-size hail which fell four miles west of Canton. *Photo courtesy: Greg Stumpf; NOAA/NSSL. Near left:* Hail (4.75 inches) which fell near Canton. *Photo courtesy: David Ewoldt; Oklahoma City, Oklahoma.*



*Above (composite):* Supercell storm about ten minutes before F1 tornado touchdown. Photo site: south of Bridgeport on I-40. *Above (left):* Tornado produced ten minutes after composite photo. *Photos courtesy: Bill Martin; NOAA/NSSL. Above (right):* Same tornado as seen from three miles north of I-40 (on Rt 281) - looking south. *Photo courtesy: DeWayne Mitchell and Greg Stumpf. Left:* Funnel near Calumet. *Photo: Courtesy and © 1990: Jack "Thunderhead" Corso; Harrison, New York.*





A tornado (F3) hit Stillwater about 6:45 p.m. CST. It caused an estimated \$4 million damage and was responsible for one death and 12 injuries. The death occurred as a four-year-old boy was killed by flying debris just as his mother and he arrived at a friend's house after driving from a mobile home park west of town. *Opposite page (top):* The pickup truck in

which the fatality occurred. *Opposite page (bottom):* Residential damage in Stillwater. The fatality occurred in front of the home in the upper right-hand corner of the picture. *Above:* Damage to the Monticello Apartments and Cimmaron Townhomes. *Photos courtesy: Stillwater (Oklahoma) NewsPress.*

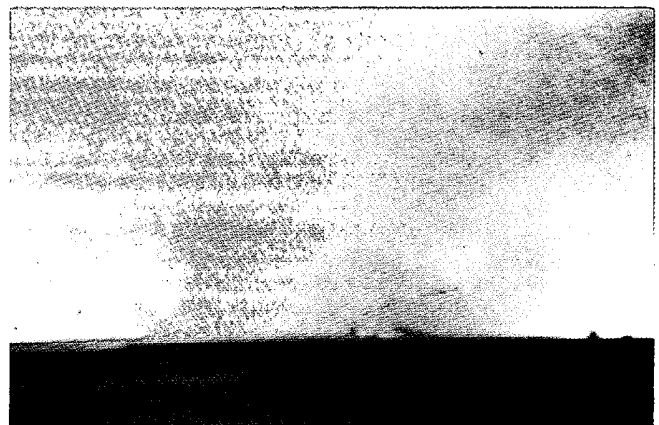
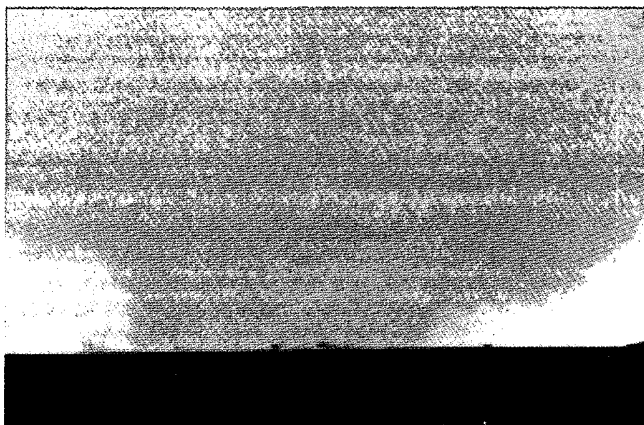
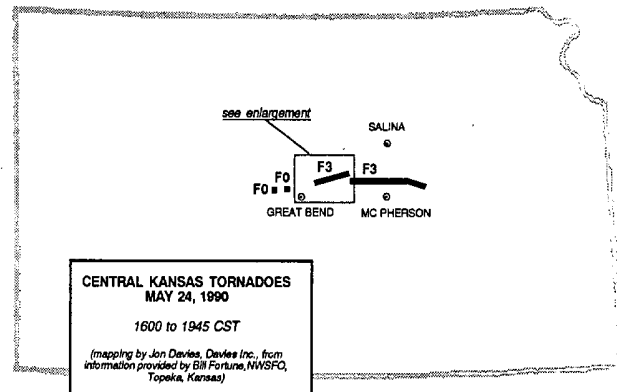
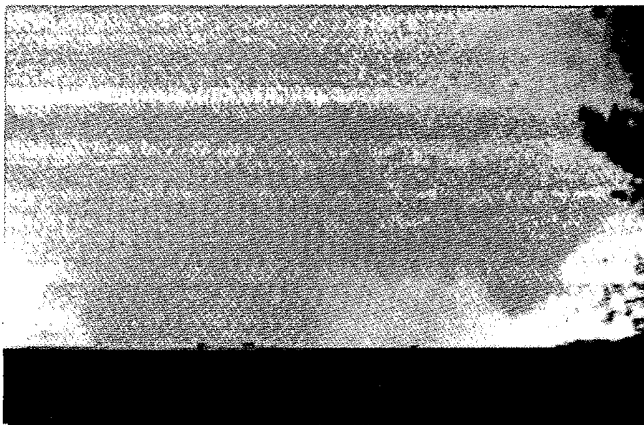
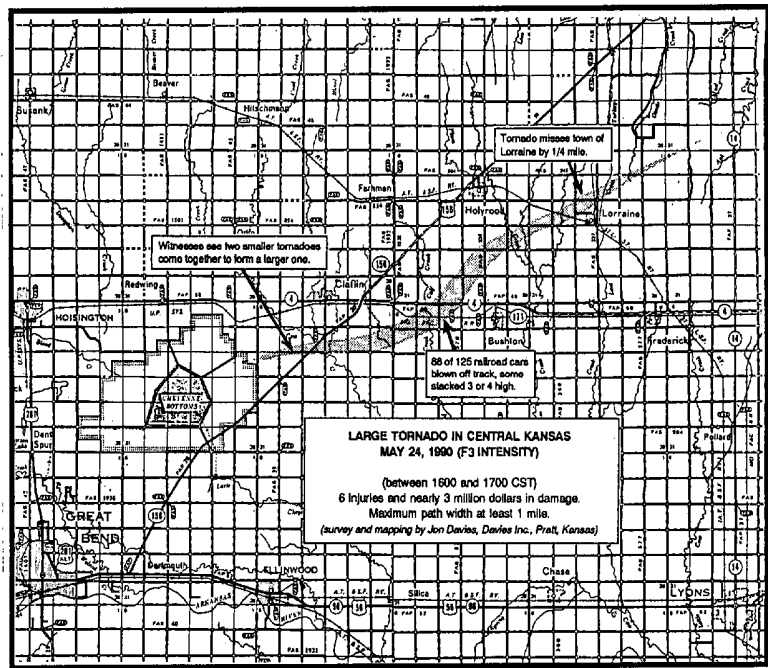


#### 4. BOLT "FROM-THE-BLUE"

If this lightning bolt from a May 14, 1990 severe thunderstorm over Baylor County of Texas had struck close to someone, the response might have been: "-but it came out of the clear blue sky!" As shown, lightning can travel quite a distance from the edge of a storm. *Photo courtesy: Robert Prentice; NSSL/NWS Monett, MO.*

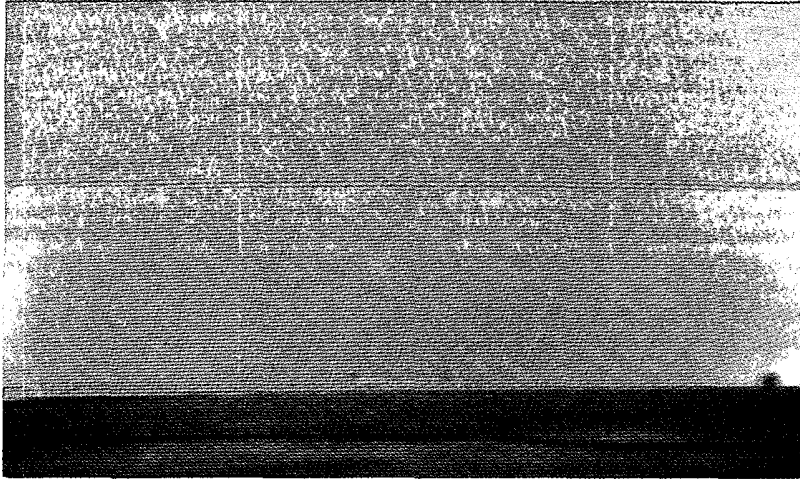
## 5. KANSAS TORNADOES OF MAY 24, 1990

Four Kansas tornadoes (bottom right map) carved a total path length of 109 miles--almost as much as produced by the four tornadoes of the Hesston (Kansas) Tornado Complex of March 13, 1990. Although two of the tornadoes were strong (F3) and path widths at times were one-quarter to almost one mile wide, only six people were injured and nobody was killed. Four of the injuries occurred when one of the tornadoes (top right map) rolled a car occupied by four oil field workers an estimated eight times. The same tornado blew 88 cars of an 125-car train off the track--stacking them in some case three and four cars high. This tornado also sucked a woman out of her truck; she said that at one time she was "airborne, trying to run but my feet wouldn't touch the ground."

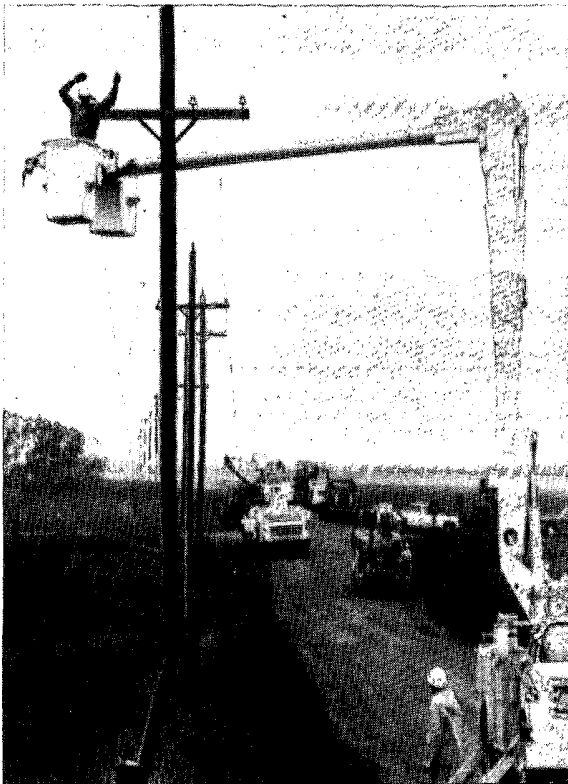


Above three tornado pictures (of the first F3 tornado) looking southwest from 2.5 miles south and one mile east of Holyrood. The funnel in top left photo was soon engulfed by the tornado. Note the developing "curl" to the left of the tornado in bottom two photos; this could be suggestive of a microburst or similar phenomenon. (?)



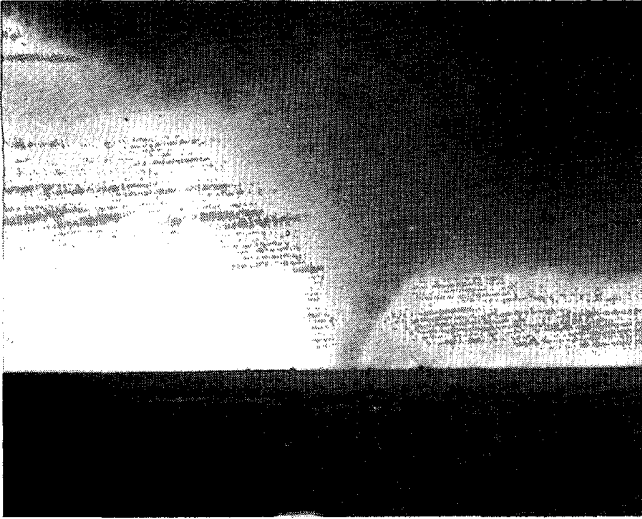


*Left:* Close-up view of approaching tornado which is nearly one mile wide. The house in the center of the photo is 3/4 of a mile away. It was completely destroyed; no walls left standing--only the basement remained. Video transfers of this and tornado pictures on preceding page by Jon Davies (Pratt, Kansas) from video courtesy: Allen Hurley; Holyrood, Kansas.



Just prior to the time the preceding tornado pictures were taken, the tornado hit the house of 80-year-old Ida Gassoway (four miles east and one-half-mile south of Claflin. *Middle (left):* Cleaning up the remains of Ida Gassoway's house. She hid in a closet, but ended being blown into her yard. Her injuries were minor. She said, "The Lord wasn't ready for me, and the devil is looking for me. I sure fooled that devil." *Middle (right):* Mud-caked car on the Gassoway property. *Bottom (left):* Power crews work to restore power the morning

after the storm. *Bottom (right):* Inspecting some of the 88 derailed train cars about one-half mile from the Gassoway house. Photos courtesy: Great Bend (Kansas) Tribune.



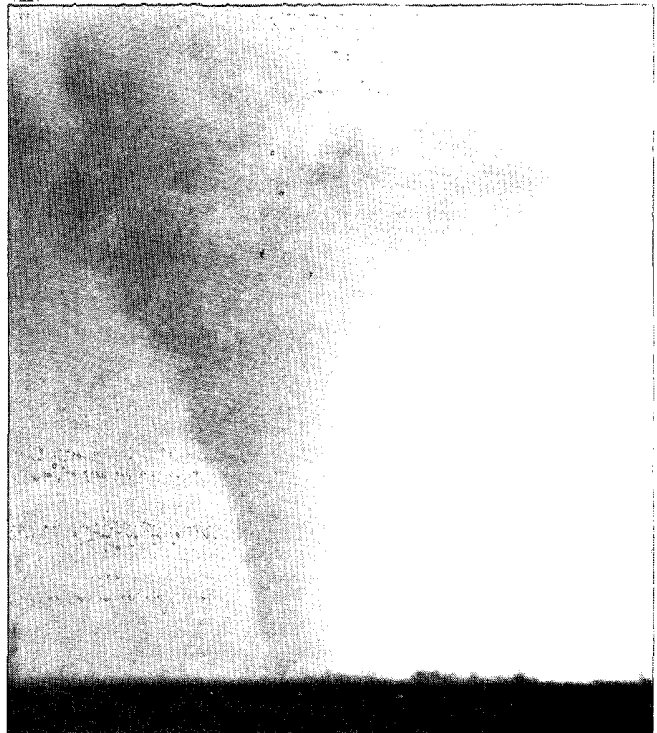
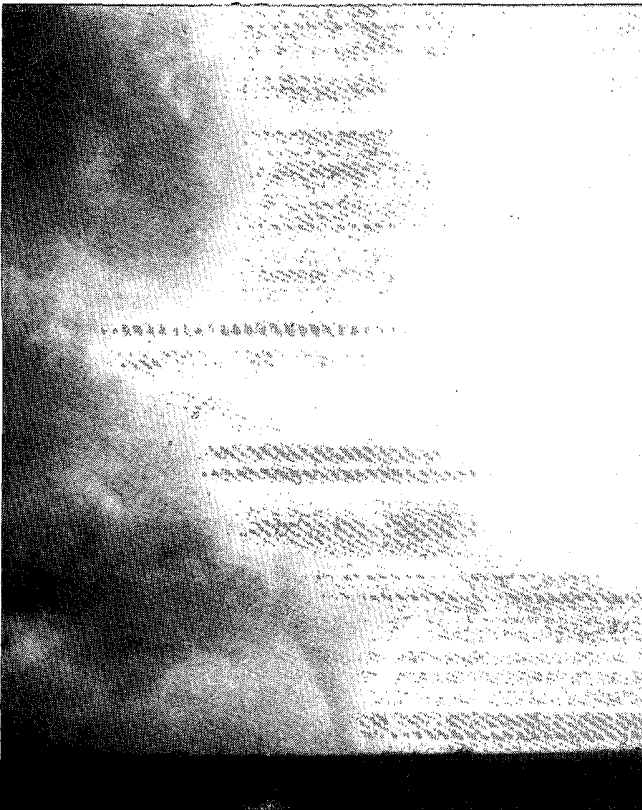
The 2nd F3 tornado was on the ground for 60 miles. Although it was, at times, 400-yards wide and produced about \$5 million in property damage, nobody was killed or injured. *Above (left):* Tornado about eight miles west of Durham (photo site is four

miles west of Durham). *Above (right):* A few minutes later, looking north at tornado two miles distant. After the southeastward moving tornado crossed the road, it leveled a farmstead. *Photos courtesy: Dorothy A. Youk; RR Durham, Kansas.*

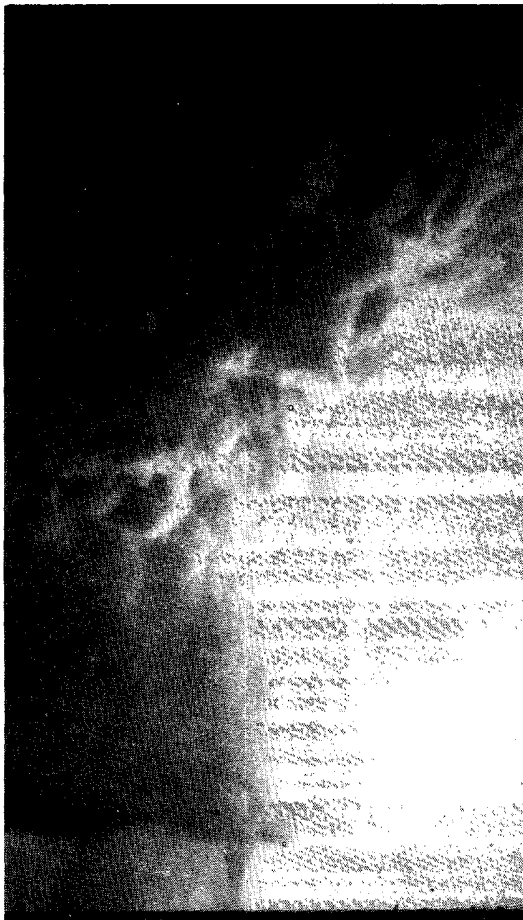
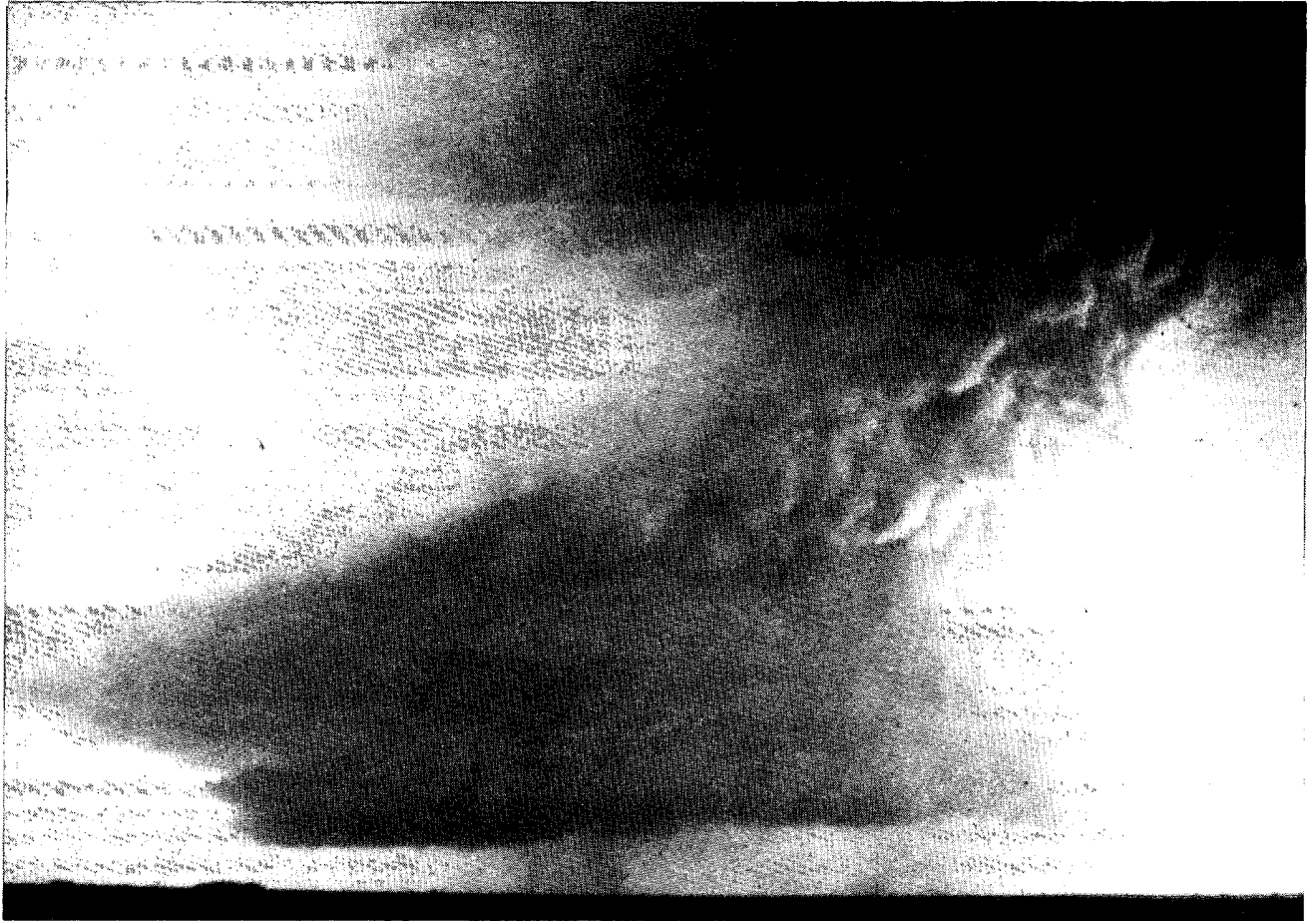
## 6. NORTHERN TEXAS PANHANDLE TORNADOES OF MAY 31, 1990

Thirteen tornadoes touched down in the northern sections of the Texas panhandle between 3:30 p.m. CST and 11:49 p.m. CST. Eight of these tornadoes were within 25 miles

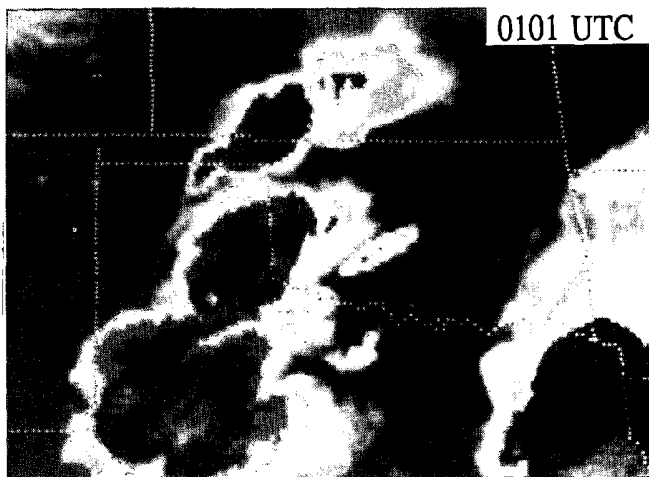
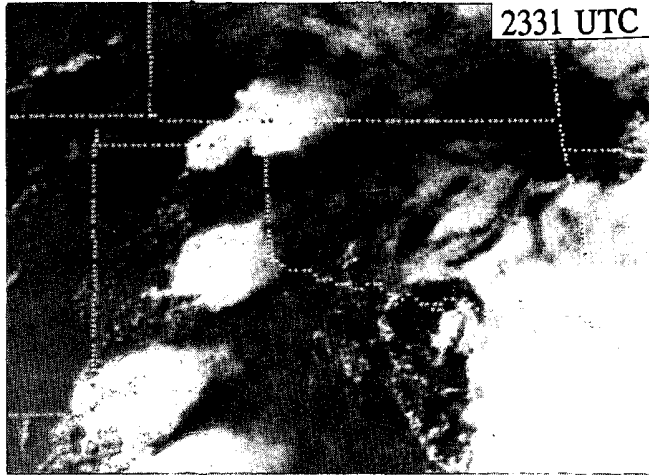
of Spearman; one hit Spearman, causing over \$1 million damage, but no injuries. Of the 13 tornadoes, nine were produced by four supercells.



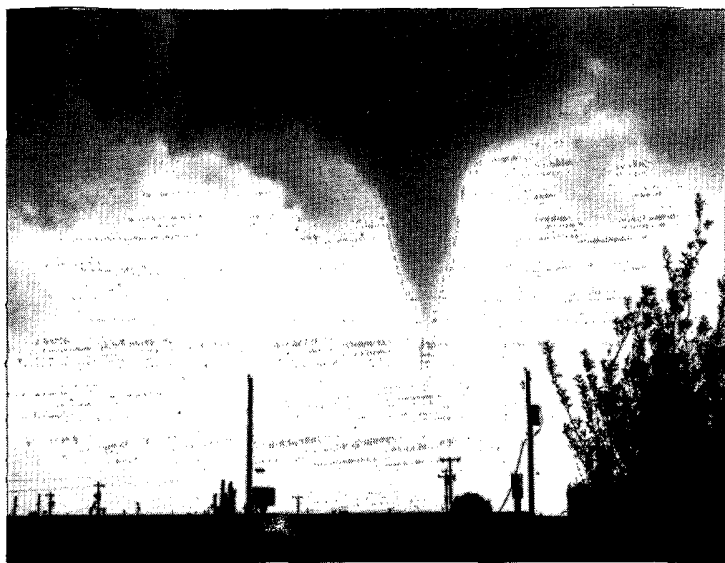
Supercell #2 produced an F3 tornado over southern Ochiltree County (about eight miles east of Spearman) which occasionally was over one mile wide. *Left:* Large tornado east of Spearman. *Right:* Enlarged view of same tornado. *Photos courtesy and ©: Dave Schaffer; KAKE-TV; Wichita, Kansas.*



*Top:* Same tornado as on preceding page. Picture is looking west (about 6:00 p.m. CST) from a site two miles west of highway TX-70 on FM-759 (Farm-to-Market road); a 28mm lens is used. *Left:* Same as top but with a 50mm lens. A portable FM-CW Doppler radar from Los Alamos National Laboratory measured wind speeds to 200 mph just after these pictures were taken. *Pictures courtesy and ©: Howard B. Bluestein; University of Oklahoma.* *Above:* Brodie Daniel inspects what is left of his roundtop barn and farm equipment after the tornado. *Photo courtesy: The Perryton (Texas) Herald.*



**Above (left):** Metal from a barn at the Mary Schumann farm was wrapped around trees and scattered across fields by the tornado. *Photo courtesy: The Perryton (Texas) Herald.* **Above (right):** Satellite photo ten minutes prior to the touchdown of the tornado pictured on the preceding two pages. **Middle (right):** Satellite photo 14 minutes prior to the touchdown of the tornado pictured on this page. **Bottom (left):** Tornado which would strike Spearman, Texas. *Photo courtesy: Ashley Tregellas; Perryton, Texas.* (Thirteen-year-old Ashley was returning home from Amarillo, Texas with her first 35mm camera; her first roll of film captured the birth of the tornado.) **Bottom (right):** Looking southwest at the same tornado a little later; picture taken from the Hansford County Courthouse lawn. *Photo courtesy: Mike Hulett; Hansford County Reporter-Statesman; Spearman, Texas.* *Satellite photos courtesy: National Climatic Data Center.*

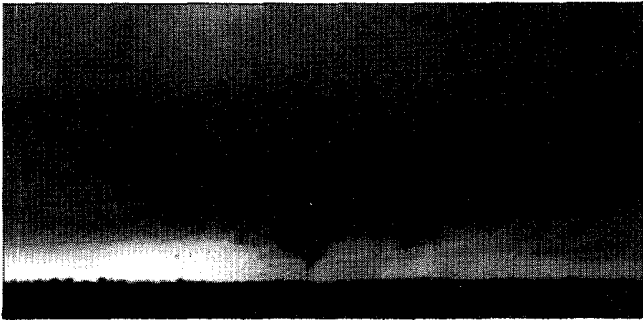




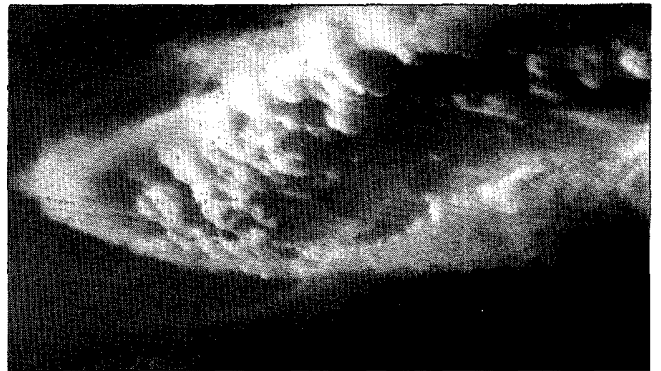
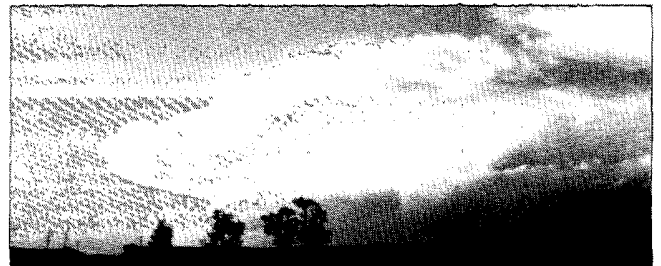
**Left:** Tornado damage to the Church of Christ in Spearman by the tornado shown on the preceding page. It was the fifth tornado of the day observed by the photographer and his crew. Photo courtesy and ©: Howard B. Bluestein; University of Oklahoma.

## 7. OKLAHOMA POTPOURRI

The pictures below are of several severe weather events which took place in Oklahoma in May 1990.

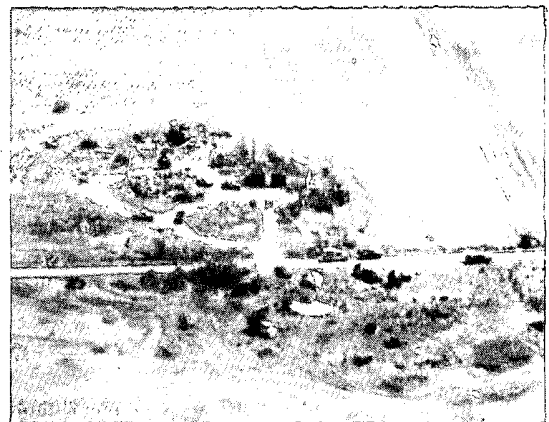
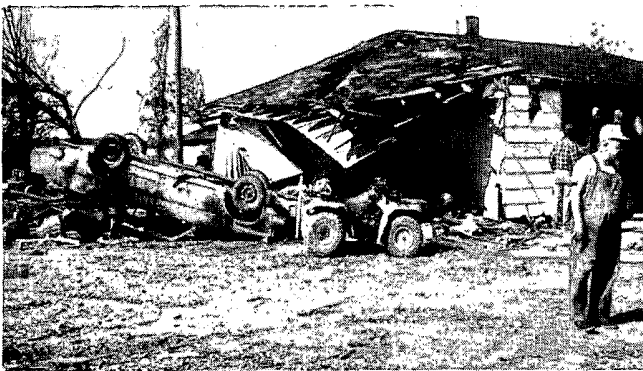


**Middle (left):** F0 tornado lifting one mile north of Concho on May 26th. *Photo courtesy: David Ewoldt, Oklahoma City, OK.* **Bottom (left/right):** "Bell"-shaped storm which produced tennis ball-size hail near Reydon on the 18th. **Right (middle-2):** Severe storm which produced hail and wind damage in northwestern Oklahoma on the 14th. *Photos courtesy: Matt Crowther; Atlanta, GA.*



## 8. CLAY COUNTY (ARKANSAS) TORNADO AND WIND DAMAGE

An F2 tornado left an intermittent path of damage across northern Clay County of Arkansas on the evening of May 16th; one person died and another was injured.

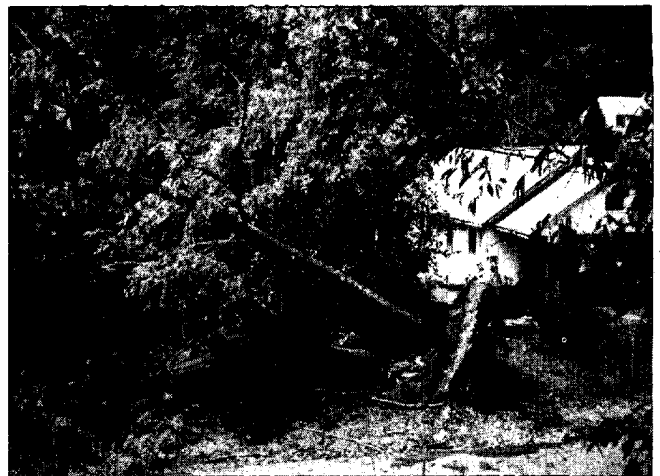
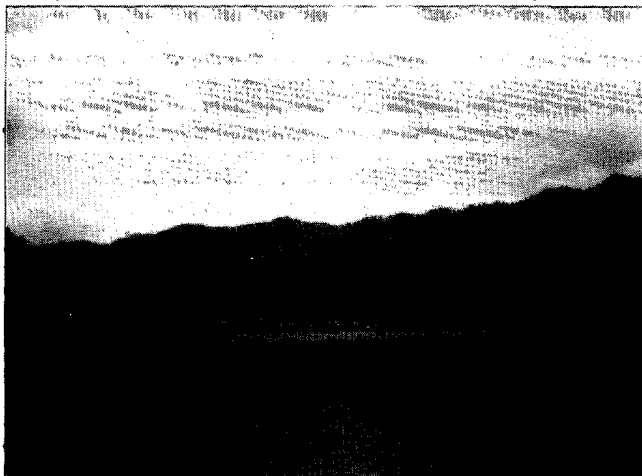


*Top two rows (four photos):* Tornado caused wind damage north and northeast of Corning. The top left photo is the remains of the Red Barn Skating Rink. Credit: (CCC). *Above left:* Wreckage of the Harmon home north of McDougal; the fatality occurred here. Credit (PT). *Above:* Aerial photo of the Harmon home; debris scattered over 200 feet. Credit: (CCC). *Left:* Wind damage in St. Francis. Credit: (PT). (CCC) = Courtesy of: Clay County Courier; Corning Arkansas. (PT) = Courtesy of: Anne Winchester; the Piggot (Arkansas) Times.

## 9. WEST VIRGINIA TORNADO AND WIND DAMAGE

A severe thunderstorm produced wind damage in parts of Kanawha and Fayette counties of West Virginia during the late afternoon of May 26,

1990. A brief F2 tornado in Fayette County was also produced by the storm.



*Above (left):* Extensive F2 tornado damage ("light" area) on steep, east-facing slope above Glen Ferris. For about 3/8 of a mile, only a few tree stumps remained. *Photo courtesy: Alan Rezek and Phil Zinn, NWS Charleston, WV. Above (right):* Wind damage in Elk Forest subdivision in Charleston which occurred about 45-minutes prior to the tornado. *Photo courtesy: Rick Arkell; NWS Charleston, WV.*

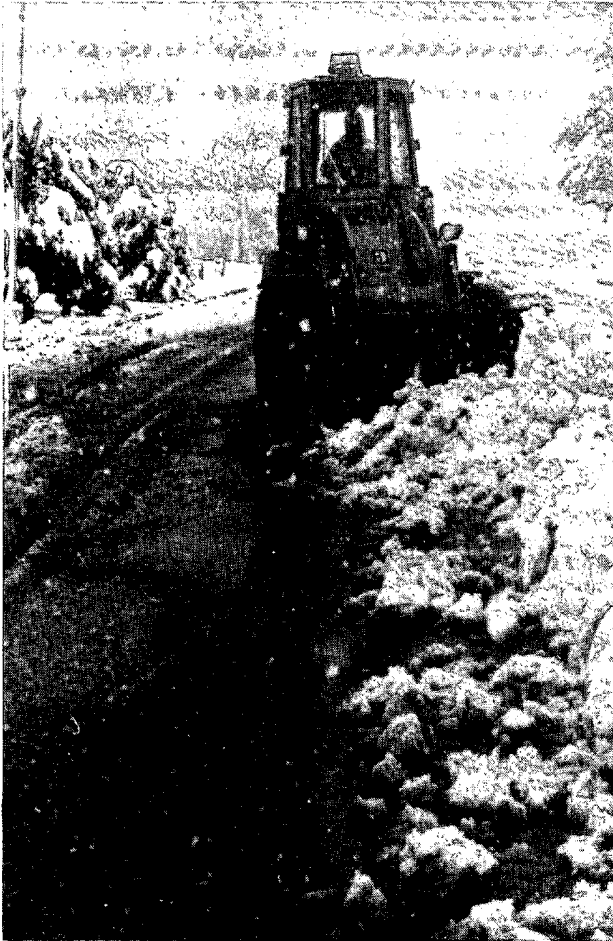
## 10. COLORADO MAY SNOW

Record and near record May snow buried most of southeastern Colorado May 1-3, 1990. Two

to three feet fell on the mountains; on the plains, 18.6 inches fell northeast of Kim.



*Above (left and right):* Widespread tree damage was the result of the 13 inches of snow which fell on La Junta. *Photos courtesy: La Junta (Colorado) Tribune-Democrat.*



**Top (left):** Snow removal was a slow-going process on the morning of the 3rd on La Junta's Colorado Avenue. **Top (right):** Certainly not your typical early May scene in La Junta. **Middle (right):** Damaged batting cages at La Junta's Potter Park. *Photos courtesy: La Junta (Colorado) Tribune-Democrat.* **Bottom (left):** Tree damage (and associated car damage) due to the 12+ inches of heavy, wet snow which fell on Trinidad. *Photo courtesy: Cosette Henritze (editor); Chronicle-News; Trinidad, Colorado.* **Bottom (right):** Tree damage in La Junta. *Photo courtesy: La Junta (Colorado) Tribune-Democrat.*

A special thank you goes to the following people for providing press clippings, leads, and/or pictures for this issue of **STORM DATA**:

Jim Allsopp, WSFO Indianapolis, Indiana; Jon Davies, Pratt Kansas; Jim Kremper, WSFO North Little Rock, Arkansas; Gene Rhoden, NSSL Norman, Oklahoma.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ALABAMA

<b>Madison County</b>	01	1306CST			0	0	?	?	Thunderstorm Wind (G69)
		1300CST			0	0	?	?	Thunderstorm Wind
		1330CST			0	0	?	?	Thunderstorm Wind

A wind gust to 69 mph was recorded at the Weather Service Office near Huntsville at 1306 CST. Between 1300 CST and 1330 CST there were numerous occurrences of wind damage in the Huntsville area. Many trees and power poles were blown down. There was also some damage to the roofs of homes.

<b>Limestone County</b>	01	1315CST			0	0	?	?	Thunderstorm Wind
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A dock and other buildings were destroyed about eight miles southwest of Athens. Trees were blown down in the same area.

<b>Lamar County</b>	01	1520CST			0	0	?	?	Hail (1.75)
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Golf ball-size hail fell at Detroit.

<b>Cullman County</b>	01	1620CST			0	0	0	0	Hail (0.75)
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Dime-size hail fell three miles southeast of Trimble.

<b>Walker County</b>	01	1733CST			0	0	?	?	Hail (1.75)
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Golf ball-size hail covered the ground at Empire.

<b>Fayette County</b>	01	1818CST			0	0	?	?	Hail (1.75)
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Golf ball-size hail fell at Fayette.

<b>Jefferson County</b>	01	1818CST			0	0	?	?	Hail (1.75)
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Golf ball-size hail covered the ground in the Gardendale and Center Point areas.

<b>Jefferson County</b>	03	1645CST			0	0	?	?	Thunderstorm Wind
		1701CST			0	0	?	?	Thunderstorm Wind (G69)
		1719CST			0	0	?	?	Hail (0.75)
		1730CST			0	0	?	?	Thunderstorm Wind

A plate glass window was blown out of a car dealership and large tree limbs were blown down in Birmingham at 1645 CST. A wind gust to 69 mph was recorded at 1701 CST at the Birmingham Airport. Nickel-size hail fell in Homewood and the eastern parts of Birmingham at 1719 CST. Trees were blown down 17 miles north of Birmingham at 1730 CST.

<b>Marshall County</b>	03	1820CST			0	0	?	?	Hail (1.00)
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Quarter-size hail fell at Albertville.

<b>Jackson County</b>	03	1838CST			0	0	?	?	Thunderstorm Wind
		1910CST			0	0	?	?	Thunderstorm Wind

There was minor damage to a few buildings in Section at 1838 CST. Trees and power lines were blown down at scattered locations throughout the county at 1910CST.

<b>DeKalb County</b>	03	2020CST			0	0	?	?	Thunderstorm Wind
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A few buildings were damaged at scattered locations in the county.

<b>Morgan County</b>	10	0115CST			0	1	?	?	Thunderstorm Wind
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An apparent thunderstorm downburst in Decatur blew down trees and power lines. One person was injured when a tree fell on a house.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ALABAMA Cont'd

<b>Choctaw County</b>	12	1715CST			0	0	0	0	<b>Thunderstorm Wind</b> Trees were blown down at Melvin.
<b>Marengo County</b>	12	1800CST			0	0	0	0	<b>Thunderstorm Wind</b> Trees were blown down five miles south of Linden.
<b>Conecuh County</b>	12	2140CST			0	0	?	?	<b>Thunderstorm Wind</b> Numerous trees and power lines were blown down in Evergreen.
<b>Baldwin County</b>	17	1610CST	0.5	10	0	0	0	0	<b>Waterspout-Tornado (F0)</b> A waterspout moved from Weeks Bay on shore as a weak tornado about six miles southwest of Magnolia Springs. No damage was reported.
<b>Mobile County</b>	19	1335CST	0.5	10	0	0	0	0	<b>Waterspout-Tornado (F0)</b> A waterspout moved north out of the Gulf of Mexico and came on shore about one-half mile east of Coden in a marshy area. No damage occurred.
<b>Colbert County</b>	20	0900CST			0	0	?	?	<b>Thunderstorm Wind</b> Four homes received minor damage and numerous trees were blown down about ten miles southwest of Tuscumbia.
<b>Lamar County</b>	20	0903CST			0	0	?	?	<b>Thunderstorm Wind</b> Numerous trees were blown down and several buildings were damaged in western Lamar County.
<b>Walker County</b>	20	0935CST			0	0	?	?	<b>Thunderstorm Wind</b> Strong thunderstorm winds blew down trees and power lines at Carbon Hill. One mobile home was damaged.
<b>Jefferson County</b>	20	1042CST			0	0	?	?	<b>Thunderstorm Wind</b> Cars were damaged at the Civic Center in downtown Birmingham. Also at about the same time, several homes were damaged in the McDonalds Chapel area.
<b>Cullman County</b>	20	1043CST			0	0	?	?	<b>Thunderstorm Wind</b> Numerous trees and power lines were blown down at scattered locations in the county.
<b>Saint Clair County</b>	20	1050CST			0	0	?	?	<b>Thunderstorm Wind</b> Trees and power lines were blown down in Saint Clair County a few miles east of Argo.
<b>Etowah County</b>	20	1118CST			0	0	?	?	<b>Thunderstorm Wind (G60)</b> Thunderstorm winds were estimated at about 60 mph in Gadsden.
<b>Elmore County</b>	20	1255CST			0	0	?	?	<b>Thunderstorm Wind</b> Power lines were blown down and one pole broke around Lake Jordan about 18 miles north of Montgomery.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K	I	P	C	

## ALABAMA Cont'd

Tuscaloosa County	20	1630CST			0	0	0	0	Hail (0.75) Dime-size hail fell in Tuscaloosa.
Cullman County	20	1928CST			0	0	?	?	Thunderstorm Wind Trees and power lines were blown down at Vinemont.
Montgomery County	20	2040CST			0	0	?	?	Hail (1.75) Golf ball-size hail fell in Montgomery.
Sumter County	21	1045CST			0	0	?	?	Thunderstorm Wind Trees and power lines were blown down five miles south of Livingston.
Coosa County	21	1125CST			0	0	?	?	Hail (0.75) Dime-size hail fell in the Goodwater vicinity.
Tallapoosa County	21	1140CST			0	0	?	?	Thunderstorm Wind Trees were blown down in Hackneyville.
Dallas County	21	1200CST 1200CST			0 0	0 0	? 0	? 0	Thunderstorm Wind Hail (0.75) Dime-size hail fell and large tree limbs were blown down at Minter and Plantersville.
Wilcox County	21	1200CST			0	0	?	?	Hail (1.75) Golf ball-size hail fell at Millers Ferry.
Montgomery County	21	1255CST 1300CST 1305CST			0 0 0	0 0 0	0 ? 0	0 ? 0	Hail (0.75) Thunderstorm Wind Hail (0.75) Dime-size hail fell at Montgomery between 1255 CST and 1305 CST. Trees were blown down in the same area during that time.
Pike County	21	1315CST			0	0	?	?	Hail (0.75) Dime-size hail fell at Troy.
Clarke County	21	1335CST			0	0	?	?	Thunderstorm Wind Trees were blown down at Grove Hill.
Lee County	21	1335CST			0	0	?	?	Hail (1.75) Golf ball-size hail fell at Auburn.
Covington County	21	1400CST 1410CST			0 0	0 0	0 0	0 0	Hail (0.75) Hail (0.75) Dime-size hail fell at Loango at 1400 CST and at Sanford at 1410 CST.
Washington County	21	1420CST			0	0	?	?	Thunderstorm Wind Large tree limbs were blown down five miles south of Chatom.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ALABAMA Cont'd

Henry County	21	1430CST			0	0	?	?	Thunderstorm Wind
Trees were blown down five miles northwest of Abbeville.									
Barbour County	21	1450CST 1455CST			0	0	?	?	Thunderstorm Wind Hail (1.75)
Trees were blown down in Eufaula at 1450 CST. Golf ball-size hail fell in the same area at 1455 CST.									
Russell County	21	1510CST			0	0	?	?	Thunderstorm Wind
Several large trees were blown down at Seale and Crawford.									
Escambia County	21	1532CST			0	0	0	0	Hail (0.75)
Dime-size hail fell at Wallace.									
Coffee County	21	1615CST 1620CST			0	0	?	?	Hail (0.75) Hail (1.00)
Dime-size hail fell in Enterprise at 1615 CST and increased to quarter-size at 1620 CST.									
Covington County	21	1630CST			0	0	0	0	Hail (0.75)
A one-mile swath of dime-size hail fell two miles north of Florala.									
Geneva County	21	1630CST- 1640CST			0	0	0	0	Hail (0.75)
Dime-size hail fell in the vicinity of Geneva.									

## ARIZONA

Mohave County Bullhead City	28	1450MST			0	0	0	0	Flash Flooding
Thunderstorms formed near an unusually strong late spring low pressure system. Rain showers began early in the morning on this Memorial Day. About 0.50 of an inch had accumulated by 1330MST. There was enough water and debris on the roads to make them impassable in three areas. Highway 95 south of town and Highway 68 near Golden Valley were closed due to flooding. Nevada 195 was also closed. About 0.80 of an inch was recorded at the Fort Mohave Fire Department by late in the afternoon. Very heavy rain and hail were reported by spotters in other areas of the county. The total rainfall from this storm at Kingman radio station KAAA was 1.68 inches.									

## ARKANSAS

ARZ009 Southwest Arkansas	01				0	0	7	?	River Flood
A major flood developed on the Red River during the month of May, with the river leaving its banks at various locations on the 1st, and not returning until the 22nd. Although record levels were not reached, it was the worst flooding since 1945.									
In addition to the Red River itself, all tributaries along the river experienced flooding. The backwater effect from the Red River was experienced in some cases for several miles upstream.									
Several major highways were closed during the flood, making travel in or out of southwest Arkansas virtually impossible at times. U.S. Highway 71 near Ogden was closed for seven days, when water up to seven feet deep covered the road. Arkansas Highway 41 south of Foreman was closed for nine days, mainly as the result of a levee break. The westbound lanes of Interstate 30 were closed for 36 hours due to high water.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ARKANSAS Cont'd

One aspect of the flood that caused extra problems was the length of time it took for the river to crest and to fall. The river crested on May 8th at Index and stayed there until the 11th. The crest lasted from May 10th through the 13th at Fulton. These prolonged crests placed a serious strain on area levees causing some to fail, compounding the problems. For example, when a 40- to 50-foot piece of levee collapsed south of Ogden, 29 homes had to be evacuated.

Although homes, farm buildings, and businesses were flooded, the main losses from the flood were agricultural. Up to 70,000 acres of farmland were under water at various times. In addition, up to 18,000 head of cattle were stranded. Some were rescued, many were not.

It is extremely difficult to accurately assess damage numbers to an event such as this. While short-term numbers can be estimated, the long-term effects are hard to calculate. For instance, some fields were covered by up to three feet of silt left by the river. When those fields will be usable again is unknown.

The Agricultural Stabilization and Conservation Service had made some preliminary damage estimates. The total comes to just over \$14 million, with the breakdown as follows:

Cattle	\$1.5 million
Land	\$5.4 million
Roads	\$1.0 million
Levees	\$1.8 million
Debris	\$2.5 million
Dwellings	\$750,000
Structures	\$300,000
Machinery	\$525,000
Drainage	\$375,000
Irrigation	\$ 25,000

Crawford County	02	2200CST	0	0	5	?	Flash Flood
Scott County	02	2200CST	0	0	4	?	Flash Flood
Sebastian County	02	2200CST	0	0	5	?	Flash Flood

Rainfall of four to six inches caused widespread flash flooding. Numerous roads in rural areas were washed out as small creeks overflowed their banks. Streets in Fort Smith were flooded, stranding motorists. A local cab driver in Fort Smith towed about 20 cars out of flooded streets using his Chevrolet Blazer. He also brought at least 15 children, adults, dogs, and cats out of flooded areas to higher ground. Damage estimates to public roads and bridges were: Crawford, \$200,000; Scott, \$40,000; Sebastian, \$250,000.

Sebastian County Fort Smith	02	2335CST	0	0	?	?	Thunderstorm Winds
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Thunderstorm winds downed trees and power lines.

Crawford County Van Buren	02	2340CST	0	0	?	?	Thunderstorm Winds
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Thunderstorm winds downed trees and power lines across north and east Van Buren.

Sebastian County Fort Smith	02	2342CST	0	0	0	0	Hail (0.75)
Crawford County Alma	02	2355CST	0	0	0	0	Hail (0.75)

ARZ004-005-008-015-016

West Central Thru Central To Southeast Arkansas	02		0	0	7	7	River Flood
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Above normal spring rains and a major rain event on May 1st through the 3rd caused the Arkansas River to flood to near record levels across Arkansas. Crest stages along the river reached the highest levels since construction of the McClellan-Kerr Navigation System in the late 1960s, and were comparable to the 1957 Arkansas River Flood.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ARKANSAS Cont'd

The flood began in earnest on May 2nd, when the river rose above flood stage at Ozark, Dardanelle, and Morrilton. The table below shows when key points on the river rose above flood stage, and when they dropped below flood stage.

Location	Flood Stage	Above Flood Stage	Crest	Date
Van Buren	22	4/17 - Cont'd	36.1	5/05
Ozark L&D	357	5/02-5/13	370.0	5/06
Dardanelle	32	5/02-5/10	41.6	5/04
Morrilton	30	5/02-5/15	41.3	5/06
Little Rock	23	5/04-5/12	27.7	5/08
Pine Bluff	47	5/07-5/10	47.7	5/09

Here is a summary of some of the problems caused by the flood in several cities:

**Fort Smith:** Flood waters entered homes and businesses in the eastern section of town, mainly in the Riverlyn Addition. About four dozen families were evacuated from homes. Several streets were closed due to the water. Sewer and water systems also sustained damage. Damage to city property was estimated to be near \$2 million.

**Van Buren:** Sand and gravel companies, marine terminals, and other businesses along the river were flooded. Backwater also flooded creeks, flooding farmland located away from the river.

**Ozark:** Mainly agricultural areas were flooded, as were many county roads.

**Dardanelle:** Commercial and industrial sites along the river suffered flooding, as did county roads and thousands of acres of farmland in Yell County. Backwaters up Whig Creek and Illinois Bayou also flooded roads and farmland in Pope County.

**Morrilton:** Commercial and industrial establishments along the river were flooded. Extensive agricultural lowlands also were flooded. Several state and county roads had to be closed. Hundreds of cattle also were drowned by the flooding river.

**Conway:** Toad Suck Park was flooded causing the annual Toad Suck Daze Celebration to be moved to downtown Conway. Eighteen homes had to be evacuated in Perry County. Twenty other homes should have been evacuated, but residents decided to "stick it out."

**Little Rock:** Rebsamen Park, Riverfront Park, and the Junior Deputy ball field were all under water. About 30 homes in the Pinnacle Valley area, just west of the city, also were flooded.

**North Little Rock:** The city's hydroelectric plant at Murray Lock and Dam was flooded, resulting in about \$500,000 in damage. The city's sewer system suffered a minimum of \$1 million in damages. About 10 homes and businesses were flooded by backwater from Shillcutt Bayou. About 50 homes were affected in the Crockett Addition, with about 20 homes evacuated. Burns Park was flooded, and industries along the river also were flooded.

**Jefferson County:** About 456 dwellings were affected by the flood, 144 homes, and 312 mobile homes. Areas hit hard were Wright, Swan Lake, Reydell, the Island Harbor Estates, Riverside, and Trulock Bay areas near Pine Bluff. Damage in Jefferson County alone could reach \$10 million, including damage to both property and farmland.

**Desha County:** The Pendleton area of Desha County was flooded. Numerous homes, clubhouses, and trailers were flooded by the river.

**Summary:** Incomplete damage estimates indicated that 111 single family residences and 126 mobile homes were destroyed, and that 682 other residences had major or minor damage.

Estimates indicate that damage to public facilities was near \$4 million, with private non-agricultural damage near \$7 million.

Agricultural losses will be extensive, with losses perhaps over \$10 million.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ARKANSAS Cont'd

Benton County	03	0030CST			0	0	5	?	Flash Flood
Washington County	03	0030CST			0	0	?	?	Flash Flood
Polk County	03	0030CST			0	0	5	?	Flash Flood

Rainfall of four to six inches caused widespread flash flooding. Low water bridges in rural areas were washed out, along with large sections of roads. Benton County was especially hard hit as Sager, Flint, Osage, and Sugar Creeks roared out of their banks. An RV park in Bella Vista had a wall of water sweep through, carrying away three recreational vehicles, cars, and boats. A 100-foot section of cap atop Lake Francis Dam Spillway in Siloam Springs was washed away, dropping the lake level at least three feet. Damage estimates to public roads and bridges were: Benton, \$200,000; Polk, \$121,000.

Johnson County	03	0100CST			0	0	5	?	Flash Flood
Franklin County	03	0100CST			0	0	5	?	Flash Flood
Madison County	03	0100CST			0	0	5	?	Flash Flood
Logan County	03	0100CST			0	0	5	?	Flash Flood

Rainfall of four to six inches washed out low water bridges and sections of roads. Schools were closed in Madison County because too many roads were impassable. Local street flooding occurred in Ozark, Huntsville, and Clarksville. Dozens of county roads in Logan County were closed throughout the day due to high water. About 35 families in the Sugar Grove area were isolated by flood waters. Damage estimates include: Johnson, \$125,000; Franklin, \$200,000; Madison, \$187,000; Logan, \$100,000.

Boone County	03	0300CST			0	0	5	?	Flash Flood
Marion County	03	0300CST			0	0	5	?	Flash Flood
Searcy County	03	0300CST			0	0	4	?	Flash Flood
Newton County	03	0300CST			0	0	5	?	Flash Flood
Pope County	03	0300CST			0	0	5	?	Flash Flood
Yell County	03	0300CST			0	0	5	?	Flash Flood
Van Buren County	03	0300CST			0	0	4	?	Flash Flood
Montgomery County	03	0300CST			0	0	5	?	Flash Flood
Carroll County	03	0300CST			0	0	5	?	Flash Flood
Conway County	03	0300CST			0	0	4	?	Flash Flood
Stone County	03	0300CST			0	0	4	?	Flash Flood
Fulton County	03	0300CST			0	0	4	?	Flash Flood
Izard County	03	0300CST			0	0	5	?	Flash Flood

The Petit Jean River flooded in parts of Yell County causing some road closings. The Fourche LaFave River also flooded, closing Arkansas Highway 28 between Gravelly and Plainview. Carroll County had numerous county roads washed out by high water. A bridge on Long Creek collapsed completely, while another bridge on Piney Creek was severely damaged. The situation was similar in Boone County. A three-tiered bridge at Zinc was washed out by high water. High water also caused many streets in Harrison to be closed. Rainfall of three to six inches caused widespread flash flooding across much of northwest and north-central Arkansas. The rains washed out numerous county roads and bridges, mainly in rural areas. The Little Buffalo River in Newton County flooded low areas in Jasper putting a ball field and park under water. The heaviest road damage occurred along Dry Fork Creek. Baxter County had low water bridges washed out and some roads blocked by fallen trees. Marion County had roads washed out by flooding creeks, mainly across the western part of the county. Damage estimates include:

Boone County	-	\$100,000
Marion County	-	\$60,000
Searcy County	-	\$10,000
Newton County	-	\$100,000
Pope County	-	\$75,000
Yell County	-	\$110,000
Van Buren County	-	\$15,000
Montgomery County	-	\$100,000
Carroll County	-	\$150,000
Conway County	-	\$35,000
Stone County	-	\$25,000
Fulton County	-	\$20,000
Izard County	-	\$100,000

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ARKANSAS Cont'd

**Perry County**  
Casa

03 0500CST                                      0   0   ?   0   **Thunderstorm Winds**

Thunderstorm winds damaged a farm on Arkansas highways 10 and 324 near Casa. Roofs were damaged on a home and outbuildings, and two large maple trees also were downed. A newspaper photo showed a 2x4 driven into the ground.

**Craighead County**  
Bono

09 1800CST                                      0   0   4   0   **Thunderstorm Winds**

Thunderstorm winds struck the Pathfinder Manufacturing Company, damaging over 23 camper shells. Damage was estimated near \$10,000.

**Conway County**  
Plumerville

11 0640CST                                      0   1   0   0   **Lightning**

A man was injured when struck by lightning while trying to push a pickup truck out of mud.

**Jefferson County**  
Pine Bluff

12 0230CST                                      0   0   6   0   **Thunderstorm Winds (G83)**

Outflow winds from severe thunderstorms gusted to 96 mph at Lake Langhofer near Pine Bluff. Trees and power lines were downed, and at least 30 boats at Island Harbor Marina were damaged. Damage at the marina was estimated at \$3 million.

**Arkansas County**  
Stuttgart

12 0300CST                                      0   0   ?   0   **Thunderstorm Winds**

Thunderstorm winds downed trees and power lines. A couple of homes also were damaged by falling trees. Some signs across town also were damaged.

**Ouachita County**  
Harmony Grove

12 0800CST                                      0   0   5   ?   **Thunderstorm Winds**

Thunderstorm winds downed trees and power lines and also damaged Harmony Grove High School. A greenhouse at the school was flattened. Damage across town was estimated at \$160,000.

**Lincoln County**  
Grady

12 0850CST                                      0   0   ?   ?   **Thunderstorm Winds**

Thunderstorm winds downed power lines causing power outages in Grady.

**Jefferson County**  
Pine Bluff

12 0900CST                                      0   0   ?   0   **Thunderstorm Winds**

Thunderstorm winds downed trees and power lines. Up to 10,000 Pine Bluff residents were without power at some time Saturday morning.

**Miller County**  
18 S Texarkana

12 1245CST                                      0   0   0   0   **Hail (0.75)**

**Columbia County**  
3 SW Waldo

12 1245CST                                      0   0   0   0   **Hail (1.00)**

**Randolph County**  
Engelberg  
Stokes

12 1900CST                                      0   0   ?   ?   **Thunderstorm Winds (G70)**  
12 1900CST                                      0   0   ?   ?   **Thunderstorm Winds (G70)**

Thunderstorm winds, estimated at 80 mph, damaged farm buildings and blew down trees. Tractors and other farm equipment were damaged when storage sheds blew apart.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ARKANSAS Cont'd

**Randolph County  
Attica**

12 2015CST 0 0 0 0 Hail (1.75)

**Carroll County  
Berryville**

15 0230CST 0 0 ? ? Thunderstorm Winds

Trees were downed across Berryville. There also were scattered power outages across the county.

**Miller County  
6 S Texarkana**

16 1530CST 0 0 ? 0 Thunderstorm Winds

Thunderstorm winds caused roof damage to two homes south of Texarkana.

**Miller County  
5 S Texarkana**

16 1545CST 0 0 ? 0 Hail (1.75)

**Miller County  
Texarkana**

16 1610CST 0 0 ? 0 Thunderstorm Winds

Thunderstorm winds overturned a mobile home along U.S. Highway 71 just south of Texarkana.

**Miller County  
5 S Fouke**

16 1615CST 0 0 ? 0 Thunderstorm Winds  
16 1615CST 0 0 ? 0 Hail (2.75)

Baseball-size hail fell and thunderstorm winds downed numerous trees.

**Lafayette County  
McKamie**

16 1637CST 0 0 ? 0 Thunderstorm Winds

Thunderstorm winds downed trees and power lines blocking Arkansas Highway 53 southwest of McKamie.

**Carroll County**

16 1645CST 0 0 ? ? Thunderstorm Winds

Downed trees were scattered across Carroll County from strong thunderstorm winds.

**Lafayette County  
2 E Canfield**

16 1655CST 0 0 ? 0 Thunderstorm Winds  
16 1655CST 0 0 0 0 Hail (1.00)

Thunderstorm winds downed trees and power lines along Arkansas Highway 360.

**Lafayette County  
9 S Lewisville**

16 1659CST 0 0 ? 0 Thunderstorm Winds

Thunderstorm winds downed trees.

**Columbia County  
2 NE Bussey to  
7 SW Magnolia to  
7 S Magnolia to  
Atlanta**

16 1659CST-  
1740CST 30 75 0 0 ? ? Tornado (F2)

A tornado touched down just northeast of Bussey then traveled east across Columbia County. Most of the damage was limited to uprooted trees; however, a high power transmission line, built to withstand 110 mph winds, also was taken down.

**Columbia County  
3 W Macedonia**

16 1705CST 0 0 0 0 Hail (0.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL	STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## ARKANSAS Cont'd

Columbia County Magnolia	16	1720CST			0	0	?	0	Hail (1.75)
Columbia County Magnolia	16	1740CST			0	0	?	0	Hail (1.75)

Sebastian County Mansfield	16	1740CST	0.75	50	0	0	?	?	Tornado (F0)
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A small tornado uprooted or broke off numerous trees and caused some minor roof damage to several homes. One barn was destroyed.

Clay County 3 N Corning to 4 N McDougal	16	1840CST- 1900CST	15	75	1	1	?	?	Tornado (F2)
---	----	---------------------	----	----	---	---	---	---	--------------

A tornado left an intermittent path of destruction across Clay County. The storm first struck near Corning, where it destroyed a skating rink, one home, and damaged three other homes. The storm struck again just north of McDougal, where a woman was killed and her husband severely injured when their home was blown about 200 feet and destroyed. Six other homes in the area were damaged. (F59P)

Union County Cairo	16	1845CST			0	0	?	?	Thunderstorm Winds
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Thunderstorm winds downed trees near Cairo.

Union County 9 S El Dorado	16	1845CST			0	0	?	?	Hail (2.75)
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Baseball-size hail fell along U.S. Highway 167 between El Dorado and Junction City.

Union County 4 NE Junction City to Blanchard Springs	16	1849CST- 1900CST	3	75	0	0	?	?	Tornado (F0)
---	----	---------------------	---	----	---	---	---	---	--------------

A small tornado touched down along U.S. Highway 167 between Junction City and New Caledonia. A gas station lost a roof, a barn was destroyed, and three homes were damaged by falling trees. The tornado moved east to near Blanchard Springs, with damage limited to uprooted trees.

Union County Hibank	16	1850CST			0	0	0	0	Hail (1.75)
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Clay County St. Francis	16	1915CST			0	0	?	0	Thunderstorm Winds
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Thunderstorm winds blew down trees, and also damaged four homes and a church.

Pike County 5 N Murfreesboro	16	1920CST			0	0	0	0	Hail (0.75)
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Howard County 5 W Nashville	16	1923CST 1923CST			0	0	0	0	Thunderstorm Winds (G51) Hail (1.00)
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Sevier County Central	16	1930CST			0	0	0	0	Hail (0.75)
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Howard County Dierks	16	1941CST			0	0	?	0	Thunderstorm Winds
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Thunderstorm winds downed trees and power lines.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ARKANSAS Cont'd

Little River County  
4 SE Ashdown  
Nevada County  
Pleasant Hill

16	2023CST				0	0	0	0	Hail (0.75)
16	2030CST				0	0	0	0	Hail (0.75)

Ashley County  
Crossett

16	2040CST				0	0	?	?	Flash Flood
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Very heavy rain caused widespread street flooding in and around Crossett. U.S. Highway 82 eventually had to be closed due to high water.

Jackson County  
Newport

16	2045CST				0	0	?	?	Thunderstorm Winds
----	---------	--	--	--	---	---	---	---	--------------------

Thunderstorm winds downed trees which blocked U.S. Highway 67.

Columbia County  
Miller County  
Lafayette County

16	2100CST				0	0	?	?	Flash Flood
16	2100CST				0	0	?	?	Flash Flood
16	2100CST				0	0	?	?	Flash Flood

Rainfall of three to four inches flooded low water bridges, drainage ditches, and roads in several cities.

Columbia County  
3 E Buckner  
Miller County  
Fouke

16	2115CST				0	0	0	0	Hail (1.75)
16	2115CST				0	0	0	0	Hail (0.75)

Lafayette County  
Stamps

16	2117CST				0	0	0	0	Hail (0.75)
	2117CST				0	0	?	0	Thunderstorm Winds (G51)

Thunderstorm winds downed trees near Stamps.

Nevada County  
Falcon

16	2140CST								Funnel Cloud
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Nevada County  
Falcon

16	2158CST				0	0	0	0	Hail (0.75)
	2205CST				0	0	?	0	Thunderstorm Winds

Thunderstorm winds downed trees on Arkansas Highway 32 just northeast of Falcon.

Polk County

19	0430CST				0	0	?	?	Flash Flood
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Heavy rain Saturday morning set off flash floods that washed out railroad tracks, drove 18 families from their homes, and stranded a motorist in a tree. Residents had to be evacuated in an area six miles north of Mena due to the rising Ouachita River. U.S. Highway 71 was closed for a while due to the flooding. One car, driven by a woman, was washed off U.S. Highway 71 with its driver taking refuge in a tree until rescued by police.

Pulaski County

19	1522CST	0.5	50		0	0	?	?	Tornado (F0)
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A small and short-lived tornado touched down in north Pulaski County along Sayles Road. One mobile home was destroyed. Several people reported seeing the tornado touch down.

Crittenden County  
Earle

19	1545CST				0	0	?	?	Thunderstorm Winds
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Thunderstorm winds downed trees, power lines, and several utility poles.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ARKANSAS Cont'd

**Crittenden County**  
**Turrell** 19 1600CST 0 0 ? ? **Thunderstorm Winds**  
**West Memphis** 19 1600CST 0 0 ? ? **Thunderstorm Winds**

Thunderstorm winds downed trees and power lines.

**Montgomery County** 19 1745CST 0 0 ? ? **Thunderstorm Winds**

Thunderstorm winds downed trees.

**Pike County**  
**Lake Greeson to Kirby** 19 1750CST 6 75 0 1 ? ? **Tornado (F0)**

A small tornado touched down at the Star of the West Recreation Area, downing several trees. The tornado then moved east and damaged seven homes near Kirby. One man suffered a broken rib.

**Hempstead County**  
**Blevins** 19 1818CST 0 0 ? ? **Thunderstorm Winds**

Trees were blown down just north of Blevins.

**Hempstead County**  
**4 NW Ozan** 19 1822CST-1827CST 0.5 50 0 0 ? ? **Tornado (F0)**

A small tornado touched down briefly in open country. A state police officer saw it damage a few trees, then dissipate.

**Pike County**  
**Delight** 19 1825CST 0 0 ? ? **Thunderstorm Winds**

High winds downed several trees northeast of Delight.

**Garland County**  
**Crystal Springs** 19 1825CST 0 0 0 0 **Hail (0.75)**

**Howard County**  
**8 NE Dierks** 19 1832CST 0 0 0 0 **Hail (0.75)**

**Hempstead County**  
**5 SE Dunlap** 19 1842CST 0 0 ? ? **Thunderstorm Winds**

High winds downed several trees near Dunlap.

**Pike County**  
**Antoine** 19 1900CST 0 0 ? ? **Thunderstorm Winds**

Thunderstorm winds downed trees just southwest of Antoine.

**Garland County**  
**Hot Springs** 19 1905CST 0 0 0 0 **Hail (0.75)**

**Conway County**  
**Center Ridge** 19 1910CST 0.75 50 0 0 ? ? **Tornado (F0)**

A small tornado destroyed one home, a barn, and damaged another home.

**Howard County**  
**Muddy Fork** 19 1920CST 0 0 0 0 **Hail (1.75)**

**Pike County**  
**Nathan** 19 1925CST 0 0 ? ? **Hail (2.00)**

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

**ARKANSAS Cont'd**

**Pike County  
Lake Greeson**      19 1940CST      0   0   ?   ?      **Thunderstorm Winds**

Thunderstorm winds downed trees across the southwest part of Lake Greeson.

**Pike County  
Langley**      19 1950CST      0   1   ?   ?      **Thunderstorm Winds**

Thunderstorm winds blew down trees just north of Langley. One home was damaged and a woman was injured by flying debris.

**Pike County  
Kirby**      19 1950CST      0   0   0   0      **Hail (1.00)**

**Saline County  
Benton**      19 2000CST      0   0   0   0      **Hail (0.75)**  
                    2010CST      0   0   0   0      **Hail (0.75)**

**Garland County  
Hot Springs**      19 2000CST      0   2   ?   ?      **Flash Flood**

The night of May 19th and the early morning hours of the 20th will long be remembered in Hot Springs, as a devastating flash flood swept through the city. Nearly 13 inches of rain fell in about nine hours causing the flooding. Actually, two separate waves of water hit the city. The first from 2100 to 2200 CST, and the second from 0000 to 0100 CST. Both times, from four to six feet of water roared down Central Avenue, putting water in stores and flooding the famous bathhouses along Bathhouse Row. Cars, many occupied, were seen floating down Central Avenue. Approximately 85 people had to be rescued from flooded cars or buildings. Two firemen received minor injuries during the rescue operations. Eventually, the water flowed into Lake Hamilton causing the lake level to rise rapidly. The sudden rise of water flooded homes along the lake. As the gates to Carpenter Dam were opened to release the water, the water rose dramatically below the dam. The estimated 30-foot rise in water devastated the area between Carpenter and Rempel Dams, which is known as Lake Catherine. The Carpenter Dam Bridge, a 500-foot span which crosses Lake Catherine, was completely washed away. Cabins and mobile homes along Lake Catherine were swept away by the water, many of which flowed right over the top of Rempel Dam. At least six other smaller bridges in the area were knocked out by flood water. It was estimated that 300 homes were damaged by flooding across Garland County.

**Pike County  
Glenwood**      19 2010CST      0   0   0   0      **Hail (0.75)**  
**Glenwood**      2010CST      0   0   ?   ?      **Thunderstorm Winds**  
**Glenwood**      2010CST      0   0   ?   ?      **Funnel Cloud**

Thunderstorm winds downed trees just southwest of Glenwood. A funnel cloud was also reported.

**Hot Spring County  
Glen Rose**      19 2012CST      0   0   ?   ?      **Thunderstorm Winds**

Thunderstorm winds downed trees and power lines.

**Clark County**      19 2015CST      0   0   ?   ?      **Flash Flood**  
**Hot Spring County**      19 2015CST      1   0   ?   ?      **Flash Flood**  
**Montgomery County**      19 2015CST      0   0   ?   ?      **Flash Flood**

Heavy rains from several thunderstorms caused flash flooding. Arkansas Highway 8 from Amity to Glenwood, U.S. Highway 70 from Glenwood to Hot Springs, U.S. Highway 270, and Arkansas highways 7, 51, 128, and 290 were all closed at various times due to high water. Twenty-seven families were stranded by washed out or flooded roads in Hot Spring County. It was estimated that at various times 80% of the roads in the county were under water. Sixty homes also were reported damaged in Hot Spring County. A man was killed when he was swept into a storm drain while attempting to rescue a woman from a stranded car. He was found alive, but died a few days later. (M340)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ARKANSAS Cont'd

<b>Pulaski County</b> Little Rock	19	2030CST			0	0	0	0	Hail (1.75)
Golf ball-size hail fell in the southwestern part of Little Rock.									
<b>St. Francis County</b> Goodwin	19	2200CST			0	0	2	0	Thunderstorm Winds
Thunderstorm winds blew down a row of trees. A barn also suffered minor damage.									
<b>Mississippi County</b> Osceloa	19	2250CST			0	0	2	0	Thunderstorm Winds
Thunderstorm winds downed trees.									
<b>Crittenden County</b> West Memphis	19	2252CST			0	0	0	0	Hail (0.75)
<b>St. Francis County</b> Colt	19	2115CST			0	0	?	?	Thunderstorm Winds
Forrest City	19	2115CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed trees and power lines. Downed trees also blocked Arkansas Highways 1 and 306 around Colt.									
<b>Pike County</b>	19	2115CST			0	0	?	?	Flash Flood
Several severe thunderstorms dumped up to four inches of rain across Pike County causing flash flooding. Several roads were closed at various times throughout the night.									
<b>Pike County</b> 5 W Murfreesboro	19	2120CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds blew down numerous trees.									
<b>Pike County</b> 5 E Kirby	20	0030CST			0	0	0	0	Hail (0.75)
<b>Saline County</b> Benton	20	0115CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed trees and power lines.									
<b>Sevier County</b> DeQueen	20	0130CST	0.5	50	0	0	?	?	Tornado (F0)
A small tornado downed numerous trees on U.S. Highway 70 just southwest of DeQueen.									
<b>Chicot County</b> Lake Village	20	1358CST			0	0	?	?	Hail (1.75)
<b>Chicot County</b> Eudora	20	1420CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed some trees around Eudora.									
<b>Polk County</b> Mena	20	2344CST			0	0	?	?	Hail (1.75)
<b>Scott County</b> Waldron	20	2352CST			0	0	?	?	Hail (1.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD	TIME			KILLED	INJURED	PROPERTY	CROPS	

## ARKANSAS Cont'd

<b>Polk County Cove</b>	21	0015CST		0	0	?	?	<b>Flash Flood</b>	
Arkansas Highway 4 had to be closed at Cove due to high water.									
<b>Hot Spring County Bismarck</b>	21	0122CST		0	0	?	?	<b>Thunderstorm Winds</b>	
Thunderstorm winds blew down trees around Bismarck.									
<b>Benton County Gravette</b>	21	0143CST		0	0	0	0	<b>Hail (0.75)</b>	
<b>Hot Spring County Malvern</b>	21	0150CST		0	0	?	?	<b>Thunderstorm Winds</b>	
Thunderstorm winds downed power lines.									
<b>Benton County Bentonville</b>	21	0150CST		0	0	0	0	<b>Hail (0.75)</b>	
<b>Benton County Gentry</b>	21	0150CST		0	0	?	?	<b>Hail (1.75)</b>	
<b>Saline County Haskell</b>	21	0200CST		0	0	?	?	<b>Thunderstorm Winds</b>	
Trees were blown down by thunderstorm winds.									
<b>Washington County Fayetteville</b>	21	0205CST		0	0	?	?	<b>Hail (1.75)</b>	
<b>Grant County Ico</b>	21	0210CST		0	0	?	?	<b>Thunderstorm Winds</b>	
Trees were blown down by thunderstorm winds.									
<b>Washington County Greenland</b>	21	0210CST		0	0	?	?	<b>Thunderstorm Winds (G50)</b>	
Thunderstorm winds of 58 mph were recorded at Drake Field.									
<b>Pulaski County Jacksonville</b>	21	0220CST		0	0	0	0	<b>Hail (0.75)</b>	
<b>Washington County West Fork</b>	21	0222CST		0	0	?	?	<b>Thunderstorm Winds</b>	
Thunderstorm winds downed trees and power lines.									
<b>Madison County Huntsville</b>	21	0233CST		0	0	?	?	<b>Hail (1.75)</b>	
<b>Jefferson County</b>	21	0235CST		0	0	?	?	<b>Thunderstorm Winds</b>	
Trees and power lines were downed by thunderstorm winds across southern Jefferson County.									
<b>Washington County</b>	21	0245CST		0	0	?	?	<b>Thunderstorm Winds</b>	
Thunderstorm winds damaged several mobile homes and downed trees and power lines.									
<b>Woodruff County Augusta</b>	21	0250CST		0	0	?	?	<b>Thunderstorm Winds</b>	
Some buildings were damaged by trees blown down by thunderstorm winds.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## ARKANSAS Cont'd

<b>Poinsett County</b> Trumann	21	0300CST			0	0	?	0	Thunderstorm Winds
Thunderstorm winds damaged Trumann Central Elementary School. Parts of the gymnasium were torn off and air conditioning units atop the school were turned on their sides. Heavy rain also flooded the gym.									
<b>Crawford County</b> Alma	21	0305CST			0	0	?	?	Thunderstorm Winds (G52)
Winds of 62 mph were recorded at Alma.									
<b>Monroe County</b> Clarendon Holly Grove	21	0310CST			0	0	?	?	Thunderstorm Winds
	21	0310CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed trees and power lines.									
<b>St. Francis County</b> Forrest City	21	0330CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed trees and power lines in the Forrest City area. A few homes were also damaged by the falling trees.									
<b>Phillips County</b> Helena West Helena	21	0345CST			0	0	?	?	Thunderstorm Winds
	21	0345CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed trees and power lines, blew over some signs, and caused minor roof damage. Falling trees also damaged some homes and a car was heavily damaged by bricks that blew off a nearby wall.									
<b>Logan County</b> Scranton	21	0400CST			0	0	?	0	Thunderstorm Winds
Thunderstorm winds downed trees. One large oak tree fell on a mobile home, virtually cutting it in half.									
<b>Faulkner County</b> Conway	21	0410CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed trees.									
<b>Pulaski County</b> Little Rock N. Little Rock Gravel Ridge	21	0425CST			0	0	?	?	Thunderstorm Winds
	21	0430CST			0	0	4	?	Thunderstorm Winds
	21	0439CST			0	0	?	?	Thunderstorm Winds (G56)
Thunderstorm winds downed trees and power lines and caused roof and structural damage across the Little Rock metropolitan area. Over 100 trees were downed by the storm.									
<b>Lonoke County</b> Lonoke	21	0450CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed trees around Lonoke.									
<b>Saline County</b>	21	0450CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed trees and power lines across Saline County.									



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## ARKANSAS Cont'd

<b>Jefferson County</b> Pine Bluff	21	0506CST 0518CST			0 0	0 0	? ?	? ?	Thunderstorm Winds (G56) Thunderstorm Winds
Thunderstorm winds caused roof damage to the county jail in Pine Bluff. Winds gusted to 64 mph at Grider Field.									
<b>Arkansas County</b> Stuttgart	21	0530CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds downed trees and power lines.									
<b>Lincoln County</b> Gould	21	0555CST			0	0	?	?	Thunderstorm Winds
Thunderstorm winds blew down several trees.									
<b>Columbia County</b> Emerson	21	0750CST 0750CST			0 0	0 0	? 0	? 0	Thunderstorm Winds Hail (1.00)
Thunderstorm winds blew down several trees.									
<b>Marion County</b>	26	0650CST			0	0	?	?	Thunderstorm Winds
Downed trees were scattered across Marion County. Some barns and outbuildings were damaged, mainly in the southwest part of the county.									
<b>Benton County</b> Rogers	26	0902CST			0	0	0	0	Hail (0.75)
Bentonville	26	0905CST 0905CST			0 0	0 0	? 0	? 0	Thunderstorm Winds Hail (0.75)
Thunderstorm winds downed trees and power lines.									
<b>Carroll County</b> Grandview	26	0910CST			0	0	?	?	Thunderstorm Winds
Berryville	26	0920CST			0	0	?	?	Thunderstorm Winds
Metalton	26	0925CST			0	0	?	?	Thunderstorm Winds
Trees and power lines were downed across much of Carroll County. Several county roads were blocked by downed trees.									
<b>Washington County</b> Beaver Lake	26	0922CST			0	0	0	0	Hail (0.75)
<b>Washington County</b> Fayetteville	26	0934CST			0	0	0	0	Hail (0.75)
<b>Madison County</b> Wesley	26	0940CST			0	0	0	0	Hail (0.75)
Wesley	26	1000CST			0	0	0	0	Hail (0.75)
<b>Sebastian County</b> Fort Smith	26	1230CST			0	0	0	0	Hail (0.75)
<b>Logan County</b> 8 S Booneville	26	1345CST			0	0	0	0	Hail (0.75)
<b>Sevier County</b> 5 E DeQueen	27	0215CST			0	0	0	0	Hail (1.00)
<b>Howard County</b> 5 SW Nashville	27	0220CST			0	0	?	?	Thunderstorm Winds

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ARKANSAS Cont'd

Statewide All Month 0 0 0 8 Excessive Rain

Much above normal rainfall left fields flooded, delayed planting, and played general havoc with area farmers. Agricultural damages will likely top \$100 million.

## CALIFORNIA, Northern

Tulare County 23 1515PDT 1 18 0 0 Blowing Dust  
8 S Tulare

A slow moving cold front moving through central California caused strong winds in the southern San Joaquin Valley. Winds gusting as high as 45 mph and blowing dust reducing visibilities to near zero were reported. Two multi-vehicle accidents resulted in the death and injuries.

Colusa County 23 1905PDT 0 0 0 0 Funnel Cloud  
14 S Colusa

Yuba County 23 1915PDT 0 0 0 0 Funnel Cloud  
3 S Marysville

Kings County 28 0200PDT 0 0 0 0 Flash Flood

Contra Costa County 28 0300PDT 0 0 6 0 Flash Flood  
Walnut Creek

Record May rains over the central portion of California caused a temporary earthen dam to collapse. About 20 homes were flooded.

## CALIFORNIA, Southern

CAZ018-019 19 0245PST 0 0 ? 0 High Winds

A strong surface low over Utah caused strong winds over most desert areas of southern California. The winds reduced visibilities to near zero in blowing dust and sand. Winds of 40 mph with gusts to 52 mph were reported at Daggett. Winds elsewhere were from 25 to 35 mph with gusts to 45 mph.

CAZALL 27 1555PST- 0 0 ? ? Unseasonably  
28 2025PST Late Snow

A strong spring storm moved through southern California bringing some heavy rain to coastal and mountain areas. The Los Angeles Civic Center had 1.17 inches. Most coastal areas had between 0.50 and 1.00 inches of rain. Mountain areas had snow in addition to the rain. Big Bear, in the San Bernardino mountains, had three inches of snow.

CAZ019 31 0845PST 0 0 ? 0 High Winds

Strong winds were reported over many desert areas of southern California. Daggett Airport reported wind gusts to 57 mph at 1809PST and visibility reduced to two miles in blowing dust and sand. Other areas reported winds of 25 to 45 mph and visibilities three to five miles or less in blowing dust and sand.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## COLORADO

**San Luis Valley,  
Southwest and  
Sangre de Cristo  
Mountains,  
Southern Foothills  
Southeast Plains  
and Upper Arkansas  
Valley  
COZ006-008-009-  
010-015-016**

01-03                                 0   3   0   0   **Heavy Snow**

A stubborn late season snow storm crawled slowly across southern Arkansas Colorado dumping heavy, wet snow from the San Juan Mountains east to Colorado's southeastern plains. As much as one to two feet of snow fell at lower elevations, with two to three feet in the high country. Snow drifts to three feet closed several rural schools within the San Luis Valley and across the southeast when roads became impassable. As the storm moved east along the Colorado/New Mexico border, rain changed to heavy snow late on the 2nd over and along the southern foothills and adjacent southeast plains. At lower elevations, the slushy snow caused numerous power outages, downing close to 100 power poles just north of the town of La Junta. Snow snapped off numerous tree branches resulting in extensive damage to roofs on homes and vehicles within the Trinidad area. Value assessed to tree damage alone was put in the tens of thousands of dollars. Three men, ages 33, 41, and age unknown, suffered back and neck injuries as a 30 x 60-foot section of roof on a rural feed company building collapsed under the weight of nearly a foot and a half of new snow on the morning of the 3rd. The city of Pueblo reported a record snowfall for the month and for the season as a result of the storm.

**Front Range,  
Northeast Plains  
COZ011-012**

07 1600MST-1830MST                                 0   0   0   0   **Wind (G57)**

Wind gusts of 55 to 65 mph associated with the passage of a fast moving cold front were recorded at several locations along the northeast foothills and adjacent northeast plains. A wind gust of 63 mph was clocked at the town of Peetz (northern Logan County) at 1746 MST with a 57 mph gust recorded in the town of Brighton (Adams County) at 1800 MST.

**Kit Carson County  
Burlington**

08 1800MST                                 0   0   3   0   **Thunderstorm Winds (E52)**

Strong thunderstorm wind gusts, estimated to 60 mph (52 knots), blew out a window of a police patrol car near the town of Burlington.

**Cheyenne County  
Wild Horse  
Kit Carson**

08 1815MST                                 0   0   0   0   **Hail (0.88)**  
08 1830MST                                 0   0   0   0   **Hail (1.00)**

**Mesa County  
Grand Valley**

09-10                                 0   0   0   4   **Late Freeze**

A late season freeze during the early morning hours of the 9th and 10th caused minor damage to budding fruit trees in portions of the Grand Valley near the city of Grand Junction (Mesa County). Losses were small as sub-freezing temperatures occurred for only a few hours each night.

**Prowers County  
Lamar**

11 1705MST                                 0   0   0   0   **Thunderstorm Wind (G52)**

**Baca County  
Springfield**

11 1710MST                                 0   0   0   0   **Thunderstorm Wind (G50)**

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## COLORADO Cont'd

<b>Sedgwick County</b>	13	1512MST-1515MST	0.25	20	0 0	3 0	<b>Tornado (F0)</b>	
A small tornado touched down briefly in a rancher's field in northern Sedgwick County near the Colorado/Wyoming line (five miles north of Sedgwick) at 1512 MST. Except for some minor damage to trees and a plowed field, no injuries or other damages were reported.								
<b>Jefferson County</b>	15	1233MST			0 0	0 0	<b>Thunderstorm Winds (G60)</b>	
A thunderstorm wind gust to 69 mph was recorded at the Jefferson County Airport (13 miles northwest of Denver). No damage was indicated by airport authorities.								
<b>Kit Carson County</b> 18 N Burlington	15	1310MST			0 0	0 0	<b>Hail (1.75)</b>	
<b>Logan County</b> 11 S Fleming	15	1620MST	0.20	25	0 0	0 0	<b>Tornado (F0)</b>	
A small tornado briefly touched down in an open field.								
<b>Yuma County</b> 22 N Yuma	15	1640MST	0.75	50	0 0	0 0	<b>Tornado (F1)</b>	
Weather Service radar indicated a possible tornado near the town of Clarkville. The tornado was confirmed by police and the public and was spotted moving northeast across an unplowed field 22 miles northwest of Yuma.								
<b>Denver County</b> Denver	16	1245MST			0 0	3 0	<b>Thunderstorm Winds</b>	
A line of thunderstorms moved east off the northeast foothills across the greater Denver metropolitan area after sitting nearly stationary over the foothills for several hours producing light to moderate rainfall. Strong, gusty winds and frequent lightning accompanied the squall line as it moved across the city uprooting a large ash tree which fell blocking the outside doors of an elementary school and trapping a number of elementary students inside their classrooms for a short time. Little if any rain fell with this storm as it passed over the city.								
<b>Jefferson County</b> 13 NW Denver	16	1255MST			0 0	0 0	<b>Thunderstorm Winds (G60)</b>	
<b>Arapahoe County</b> Aurora	20	1611MST-1619MST			0 0	4 0	<b>Hail (1.00)</b>	
A line of thunderstorms traversed the southeast corner of the Denver metropolitan area. One thunderstorm cell dropped 1-inch diameter hail on the Buckley Air National Guard field in east-central Aurora (12 miles east of Denver in Arapahoe County). Minor damage was reported to automobiles, buildings, and signs.								
<b>El Paso County</b> Colorado Springs	26	1355MST			0 0	0 0	<b>Hail (0.75)</b>	
Off-duty NWS personnel reported nickel-size hail and heavy rain 1.5 miles south of the WSO in Colorado Springs.								
<b>Washington County</b> 32 SE Akron	26	1625MST			0 0	0 0	<b>Wind (G52)</b>	
Thunderstorm winds gusted between 50 and 60 mph as a storm complex marched east along U.S. Highway 36 between the towns of Anton and Cope. No damage was indicated.								
<b>Washington County</b> 8 S Akron	26	1704MST			0 0	0 0	<b>Hail</b>	
Pea-size hail piled to three inches deep covered the ground. No crop damage was reported.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## COLORADO Cont'd

**Southern Foothills  
Pikes Peak and  
Palmer Divide  
COZ014-016**

29	0900MST- 1300MST					0	0	4	0	Heavy Rain Flooding
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A line of severe thunderstorms slowly marched northeast across Colorado's front range and eastern plains during much of the day. Storms produced heavy rain and small hail up and down the eastern foothills with 1.00- to 3.50-inch rainfalls reported in the Pueblo and Colorado Springs areas during the morning hours. Minor stream and urban flooding was a problem in many areas with minor flooding along Fountain Creek in south Colorado Springs just before noon. The weather system eventually moved northeastward across the state's northeast plains producing similar problems throughout the afternoon.

**Jefferson County  
15 SW Denver**

29	1100MST					0	0	0	0	Hail
----	---------	--	--	--	--	---	---	---	---	------

Jefferson County authorities called out snow plows to clear two to four inches of pea- to marble-size hail from a stretch of U.S. Highway 285 in Turkey Creek Canyon, 15 miles southwest of Denver.

**Denver County  
Denver**

29	1131MST	0.8	20	0	0	4	0	Tornado (F0)		
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Thunderstorms within the Denver metropolitan area spawned a small tornado in a residential neighborhood in northwest Denver which caused roof damage to a house and snapped the tops off several trees. The tornado moved northeast and dissipated 7 minutes later.

**Adams County  
Northglenn**

29	1135MST	1.1	50	0	0	5	0	Tornado (F1)		
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Thunderstorms within the Denver metropolitan area spawned a second tornado which touched down in a field in the northeast corner of Northglenn (12.5 miles north of Denver). The tornado tracked northeast into the extreme northwest corner of the suburban community of Thornton, near 120th Avenue and York Street. The rope-like twister damaged a group of self-storage garages, several vehicles, a wooden fence, several trees, and a roof on an auto parts store in Thornton. The tornado dissipated at 1242 MST. Three hours of moderate to heavy rainfall resulted in minor street and stream flooding across northern and western sections of the metro area. Rainfall totals were on the order of one to three inches.

**Adams, Arapahoe,  
Boulder, Denver,  
Douglas, and  
Jefferson Counties  
Denver Metropolitan  
Area**

29	Afternoon	0.8	20	0	0	4	0	Tornado (F0)		
		1.1	50	0	0	5	0	Tornado (F1)		
								Funnel Clouds		

Thunderstorms within the Denver metropolitan area produced several funnels (1110 to 1300 MST)...along with two small tornadoes. The first toando (F0) touched down at 1131 MST and moved northeast across a residential section of northwest Denver causing roof damage to a house and snapping the tops off several trees. The tornado was observed lifting back into a funnel cloud before dissipating seven minutes later. A second tornado (F1) touched down (at 1135 MST) in a field in the northeast corner of the suburban community of Northglenn (12.5 miles north of Denver) where it tracked northeast across the extreme northern section of the suburban Denver community of Thornton. The rope-like twister reportedly damaged a group of self-storage garages, several vehicles, a wooden fence, several trees, and the roof on an auto parts store in Thornton. The tornado was observed dissipating at 1242 MST. Surprisingly, no injuries were reported. Two to three hours of moderate to heavy rainfall caused minor street and stream flooding across northern and western sections of the metro area. Rainfall totals were on the order of one to three inches with the heavier amounts falling between 1130 to 1400 MST in the aforementioned areas.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## COLORADO Cont'd

Denver County  
Denver

29 1200MST 0 0 4 0 Lightning  
Wind Damage

Lightning dropped a large tree in northeast Denver, while strong thunderstorm winds snapped off several large tree limbs in the same area.

Denver County  
Denver

29 1203MST 0 0 4 0 Lightning

Lightning started a small fire at a home in northwest Denver. The fire was confined to the front rooms of the dwelling and was quickly extinguished. The house was vacant at the time of the fire.

Arapahoe County  
14 S Denver

30 2100MST 0 0 4 0 Thunderstorm Winds  
Hail (1.50)

A line of severe thunderstorms moved east off the foothills and raced across the Denver metropolitan area producing a spectacular lightning display, strong wind gusts, and scattered areas of pea- to marble-size hail. Small trees and branches were blown down by the strong thunderstorm winds causing numerous electrical power outages across the southern and eastern portions of the metro area. Wind gusts were clocked to 60 mph (52 knots) in Englewood just after 2100 MST. A 25- to 30-foot tree was uprooted blocking a busy thoroughfare for several hours in the Acres Green subdivision just south of Englewood.

Denver County  
Denver

30 2105MST 0 0 0 0 Hail (1.50)

A few minutes after falling, 1.50-inch-diameter hail was reported by a pilot on the ground near the north end of a runway at Denver's Stapleton International Airport.

Boulder County  
10 W Boulder

30 1900MST 0 0 4 0 Heavy Rain

Heavy rain from thunderstorms fell upon a partially denuded mountainside (caused by an earlier forest fire) causing a rock slide onto a portion of Colorado Highway 119, ten miles west of Boulder. The slide partially blocked the highway with mud and rock for several hours before highway crews were able to clear the debris.

## CONNECTICUT

CTZ005-006

10 Evening 0 0 4 0 High Winds

A strong cold front moving across the state brought a period of strong and gusty winds and heavy rain which felled tree limbs and wires knocking out power to thousands of homes. Up to 15,000 customers were without power at 2100 EDT and some 8,000 remained in the dark at 2300 EDT.

## DELAWARE

Sussex County

10 1930EDT 0 0 0 0 Thunderstorm Winds

A thunderstorm produced strong winds that uprooted a couple of trees in Roxana.

New Castle County

29 1300EDT-  
30 0000EDT 0 0 0 0 Flooding

The Christina River was out of its banks from 1300 EDT to midnight in response to 2.50 to 3.00 inches of rain. The highest stage at Cooches Bridge was 11.43 feet, 2.43 feet above flood stage. Several smaller streams also caused minor flooding.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

**FLORIDA**

<b>Sarasota County 5 S Sarasota</b>	10	0630EST			0	0	3	0	Thunderstorm Winds Trees were blown down and there was minor property damage.
<b>Lee County Ft. Myers</b>	10	1032EST	Short		0	0	4	0	Tornado (F0) A brief tornado touchdown did \$11,500 damage to sheds and mobile homes.
<b>Lee County Cape Coral</b>	10	1035EST	Short		0	0	0	0	Tornado (F0) A brief tornado touched down in an open field.
<b>Lee County Cape Coral</b>	10	1040EST							Waterspout A waterspout crossed the Calooshahatchee River.
<b>Lee County Cape Coral</b>	10	1100EST	0.2	10	0	0	1	1	Tornado (F0) Trees and power lines were downed.
<b>Dade County 10 W Miami</b>	10	1415EST	Short		0	0	0	0	Tornado (F0) A pilot reported a brief tornado touchdown in open area.
<b>Monroe County 3 SE Key West</b>	14	0706EST							Waterspout National Weather Service personnel sighted a waterspout.
<b>Monroe County 10 SE Key West</b>	14	1335EST							Waterspout The Coast Guard reported a waterspout.
<b>Desoto County Arcadia</b>	14	1705EST			0	0	3	0	Thunderstorm Winds Several awnings and carports were damaged and numerous trees and utility poles were downed.
<b>Lee County Cape Coral</b>	14	1730EST			0	0	2	0	Thunderstorm Wind Power lines downed.
<b>Lee County Cape Coral</b>	14	1800EST			0	0	4	0	Thunderstorm Winds A motor home was rolled over several times, power lines were blown down, and shingles on a roof were damaged.
<b>Monroe County 15 N Key West</b>	15	0725EST							Waterspout National Weather Service personnel observed a waterspout.
<b>Collier County 25 NE Naples</b>	15	1630EST	Short		0	0	0	0	Tornado (F0) Fire department personnel sighted a brief tornado touchdown.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## FLORIDA Cont'd

<b>Hillsborough County Northern Portion</b>	15	1905EST			0	0	0	0	Thunderstorm Winds
									Power lines were knocked down.
<b>Broward County 5 SE Fort Lauderdale</b>	16	0730EST							Waterspout
									Beach patrol sighted a waterspout.
<b>Collier County 2 S Naples</b>	21	1315EST							Waterspout
									Naples police reported a waterspout.
<b>Monroe County 10 W Key West</b>	21	1400EST							Waterspout
									National Weather Service personnel observed a waterspout.
<b>Bay County 2 S Panama City</b>	21	1630EST							Waterspout
									Police reported a waterspout offshore of Panama City Beach.
<b>Washington County Chipley</b>	21	1700EST			0	0	3	0	Thunderstorm Winds
									A shed was heavily damaged and large signs and trees were downed.
<b>Monroe County 10 NE Key West</b>	23	1740EST							Waterspout
									Air Force personnel reported a waterspout.
<b>Hillsborough County Tampa</b>	27	1617EST			0	0	4	0	Thunderstorm Wind
									Power lines were downed.
<b>Pasco County Land of Lakes</b>	27	1620EST			0	0	2	0	Thunderstorm Wind
									Power lines were downed.
<b>Alachua County 15 WNW Gainesville</b>	27	1745EST			0	0	0	0	Thunderstorm Winds Hail (1.50)
									Trees were downed and golf ball-size hail was observed.
<b>Broward County Fort Lauderdale</b>	28	1407EST			0	0	4	0	Lightning
									Lightning struck a duplex through an open window igniting a fire that caused \$15,000 damage.
<b>Monroe County Key West</b>	30	0830EST			0	0	3	0	Lightning
									A houseboat was hit by lightning and suffered \$2,000 damage.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## FLORIDA Cont'd

**Broward County**  
5 W Ft Lauderdale 30 1315EST Short 0 0 3 0 Tornado (F0)

A weak tornado downed trees and damaged a fence.

## GEORGIA

**Walker County**  
Countywide 01 1615EST 0 0 ? ? Thunderstorm Winds

Scattered trees were knocked down by winds, resulting in a few power outages when utility lines were torn down by the falling trees.

**Floyd County**  
Countywide 01 1630EST 0 0 ? ? Thunderstorm Winds

Isolated trees were blown down over Floyd County. A few power lines were torn down by the falling trees.

**Union County**  
Northwestern Union County 01 1705EST 0 0 0 0 Hail (0.75)

**Towns County**  
Northern Towns County 01 1725EST 0 0 ? ? Thunderstorm Winds

Numerous trees and power poles were downed, blocking some roads. An automobile was destroyed when a tree fell upon it.

**Floyd County**  
1 S Rome 01 1740EST 0 0 0 0 Hail (0.88)

**Bartow County**  
5 NNW Cartersville 01 1740EST 0 0 ? 0 Hail (4.00)

Large hail dented several automobiles and shattered windshields. Small hail occurred at Cartersville at 1754 EST.

**Fannin County**  
McCaysville 01 1749EST 0 0 ? ? Thunderstorm Winds  
Hail

Scattered trees were uprooted or broken around McCaysville. A few power outages resulted when utility lines were torn down by the falling trees.

**Chattooga County**  
Menlo 03 2010EST 0 0 ? ? Thunderstorm Winds

Scattered trees and tree limbs were downed by thunderstorm winds.

**Walker County**  
Northern Walker County 03 2025EST 0 0 0 0 Hail (0.75)

**Terrell County**  
Dawson 05 0705EST 0 0 ? ? Thunderstorm Winds

Strong thunderstorm winds uprooted trees around Dawson and along U.S. Highway 82. The winds moved a peanut sampling machine more than a hundred feet away and damaged four peanut dryers. The roof of a nearby warehouse was damaged by the winds.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## GEORGIA Cont'd

**Colquitt County**  
Crossland      05 1645EST      0 0 0 0      **Funnel Cloud**

**Floyd County**  
Rome      13 0015EST      0 0 ? 0      **Thunderstorm Winds**

Scattered trees and limbs were blown down by thunderstorm winds.

**Hall County**  
3 NE Oakwood      13 0020EST      0 0 ? 0      **Thunderstorm Winds**

Scattered trees and limbs were blown down by thunderstorm winds around Georgia Highway 13.

**Chattooga County**  
Countywide      13 0150EST      0 0 ? ?      **Thunderstorm Winds**

**Polk County**  
Countywide      13 0150EST      0 0 ? ?      **Thunderstorm Winds**

Scattered trees and limbs were blown down by thunderstorm winds over Chattooga and Polk counties.

**Bartow County**  
Cartersville      13 0220EST      0 0 ? ?      **Thunderstorm Winds**

Scattered trees and limbs were blown down by thunderstorm winds.

**Worth County**  
Southwestern  
Worth County      16 1623EST      0 0 ? ?      **Thunderstorm Winds**  
4 ESE Bridgeboro      16 1645EST      0 0 ? ?      **Thunderstorm Winds**  
7 SE Bridgeboro      16 1710EST      0 0 4 ?      **Thunderstorm Winds**

Scattered power outages resulted when a few trees, uprooted and broken by thunderstorm winds, tore down some utility lines in southwestern Worth County. About a dozen residences were slightly damaged by the winds that started about 1623 EST. Most of the property damages, generally minor damages to houses, barns, and outbuildings, occurred between Anderson City and Bridgeboro and along Georgia Highway 133. About four miles outside of Bridgeboro, an occupied mobile home was flipped. Three miles down the road, a metal farm shelter was ripped from its concrete base by the winds. The value of the shelter was near \$15,000.

**Ware County**  
7 N Waycross      16 1700EST      0 0 ? ?      **Thunderstorm Winds**  
**Small Hail**

Large tree limbs were broken by the winds.

**Gordon County**  
Calhoun      17 0820EST      0 0 ? ?      **Thunderstorm Winds**  
**Small Hail**

**Floyd County**  
Rome      20 1315EST      0 0 ? ?      **Thunderstorm Winds**  
20 1333EST      0 0 ? ?      **Thunderstorm Winds**

Scattered trees were blown down. Power outages resulted when falling trees tore down utility lines. Although one house suffered extensive structural damage after a large tree fell on it, several other homes had less severe damage from trees.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## GEORGIA Cont'd

<b>Cherokee County Canton</b>	20	1400EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Cobb County Marietta</b>									
<b>Northwestern Cobb County</b>	20	1400EST			0	0	?	0	<b>Thunderstorm Winds</b>

Power lines were torn down by thunderstorm winds and falling trees and branches as thunderstorms moved over Cherokee and Cobb counties.

<b>Fulton County Atlanta</b>	20	1415EST			0	0	?	0	<b>Thunderstorm Winds</b>
<b>Fulton County Airport (FTY)</b>	20	1420EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Alpharetta</b>	20	1435EST			0	0	?	0	<b>Thunderstorm Winds</b>

Scattered trees were blown down onto power lines. A few power outages resulted.

<b>Fayette County Fayetteville</b>	20	1430EST			0	0	?	?	<b>Thunderstorm Winds</b>
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A few power lines were torn down by thunderstorm winds and falling tree limbs.

<b>Forsyth County Cumming</b>	20	1430EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>4 N Cumming</b>	20	1500EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Gwinnett County Countywide</b>	20	1445EST			0	0	?	0	<b>Thunderstorm Winds</b>
	20	1530EST			0	0	?	0	<b>Thunderstorm Winds</b>

Scattered trees were uprooted or broken over Forsyth and Gwinnett counties. Falling trees and winds tore down power lines, resulting in a few outages.

<b>Hall County Gainesville</b>	20	1500EST			0	0	?	?	<b>Thunderstorm Winds</b>
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Scattered trees were blown onto power lines, resulting in power outages.

<b>Stephens County Countywide</b>	20	1500EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Toccoa</b>	20	1530EST			1	0	?	?	<b>Thunderstorm Winds</b>

Scattered trees were blown onto utility lines, resulting in power outages. A man was killed when a large tree fell onto his home. (M50P)

<b>Oconee County Countywide</b>	20	1500EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Madison County Countywide</b>	20	1500EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Clarke County Athens</b>	20	1500EST			0	0	?	?	<b>Thunderstorm Winds</b>

Scattered trees were blown onto power lines, resulting in power outages.

<b>Floyd County Countywide</b>	20	2158EST			0	0	?	?	<b>Thunderstorm Winds</b>
<b>Bartow County Cartersville</b>	20	2200EST			0	0	?	?	<b>Thunderstorm Winds Small Hail</b>

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## GEORGIA Cont'd

### Cherokee County

Waleska	20	2200EST			0	0	?	?	Thunderstorm Winds
Canton	20	2215EST			0	0	?	?	Thunderstorm Winds

Scattered trees were uprooted or broken by thunderstorm winds over all three counties. A few power outages resulted when utility lines were torn down by trees or limbs. A few homes had minor tree damage.

### Spalding County

Northeastern Spalding County	20	2300EST			0	0	?	?	Thunderstorm Winds Lightning
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Scattered power outages resulted when thunderstorm winds pushed a few trees onto power lines. A lightning strike caused another outage.

### Newton County

Covington	21	0100EST			0	0	5	0	Lightning
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Two buildings in an apartment complex, located directly across from each other, were set afire by lightning. The first building sustained the majority of the damage, when the lightning struck at one end and spread through the attic. Damages there were greater than \$60,000. About \$10,000 worth of damage was done to the second building when the lightning traveled from the first building into the second.

### Lee County

8 E Leesburg Smithville	21	1355EST			0	0	?	?	Thunderstorm Winds
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Several large trees were uprooted. Scattered power outages resulted when utility lines were torn down by the falling trees.

### Worth County

Oakfield	21	1400EST	3.0	300	0	0	5	?	Tornado (F1) Small Hail
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Extensive damage occurred to farm buildings and trees in the path of a small tornado that developed at Oakfield, located in the extreme northern portion of the county. Four barns were severely damaged. Debris was strewn up to a hundred yards away. Tin roofing was wrapped around several trees in the area. A mobile home near the path of the tornado had minor damages.

### Muscogee County

6 S Columbus	21	1515EST			0	0	?	?	Thunderstorm Winds Small Hail
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A few large tree limbs were broken by winds over southern Muscogee County, just north of Fort Benning Army Reservation. Falling limbs tore down power lines and caused a few outages.

### Chattahoochee County

5 SE Cusseta	21	1530EST			0	0	?	?	Thunderstorm Winds Small Hail
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A few large trees were blown down in southern Chattahoochee County around U.S. Highway 280. Power lines were torn down by the falling trees, resulting in a few power outages.

### Sumter County

Countywide	21	1600EST			0	0	?	?	Thunderstorm Winds Small Hail
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# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## GEORGIA Cont'd

**Americus**  
3 E Americus  
3 SE Americus

21 1615EST                                    0 0 0 ?    Hail (1.75)

Across Sumter County, scattered large trees were blown down. Numerous power outages developed as trees pulled down utility lines. Large hail occurred in and around Americus. Crop damages resulted from the hail; the damage costs were unknown.

**Terrell County**  
Dawson

21 1630EST    1.0     75    0 0 5 ?    Tornado (F1)

A small tornado moved across Dawson, uprooted many trees, ripped portions of the roofs off six businesses, and tore away the awnings of a bank. The tornado damaged part of the county courthouse bell tower and shattered several windows there. A mobile home on Georgia Highway 45 was flattened, while two other homes in Dawson had extensive structural damage. A few homes and an automobile suffered damage when trees fell upon them.

**Macon County**  
Montezuma

21 1700EST                                    0 0 ? ?    Thunderstorm Winds  
Small Hail

Montezuma

21 1715EST                                    0 0 ? 0    Flash Flood

Oglethorpe

21 1715EST                                    0 0 ? ?    Thunderstorm Winds  
Small Hail

Oglethorpe  
Countywide

21 1720EST                                    0 0 ? ?    Flash Flood

From Montezuma and Oglethorpe south to the Sumter County line, scattered large trees were uprooted or broken. One 75-foot radio tower was blown down near Montezuma. Scattered power outages developed due to the falling trees. With heavy rainfall, up to five inches in spots, considerable urban and small-stream flooding developed over Macon County, including Montezuma and Oglethorpe.

**Crisp County**

Arabi  
Cordele  
Countywide  
Lake Blackshear

21 1715EST                                    0 0 ? ?    Thunderstorm Winds

21 1730EST                                    0 0 ? ?    Thunderstorm Winds

Numerous trees and power lines were blown down over the entire county. Winds caused scattered, moderate damage to houses and other properties, including a drive-in theater and an overturned mobile home. Damages occurred around Lake Blackshear, at Raines and Wenona, as well as over rural areas.

**Dooly County**  
5 NE Byronville  
5 NE Byronville  
2 E Unadilla

21 1720EST                                    0 0 0 0    Funnel Cloud

21 1735EST                                    0 0 ? ?    Thunderstorm Winds

A funnel cloud was sighted as it traveled about five miles toward Unadilla. Power disruptions occurred when utility lines were torn down by falling trees and winds, particularly over the southern end of the county.

**Turner County**

2 N Rebecca  
Amboy  
Dakota  
5 N Ashburn

21 1730EST                                    0 0 ? ?    Thunderstorm Winds

21 1730EST                                    0 0 0 ?    Hail (1.00)

21 1800EST                                    0 0 ? ?    Thunderstorm Winds

Scattered trees were blown down onto Georgia Highway 41 outside of Ashburn, along Georgia Highway 112 outside of Rebecca, and near Amboy. Several buildings around Rebecca and Amboy had roof damage, while smaller structures were leveled by the winds. Near Dakota, hail slithered some peanuts, cotton, and melon crops. At least one field of watermelons was completely destroyed by the hail.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K	I	P	C	

## GEORGIA Cont'd

<b>Dooly County</b>									
Byromville	21	1735EST			0	0	0	0	Funnel Cloud
2 W Pinchurst	21	1745EST			0	0	0	0	Funnel Cloud

<b>Vienna</b>									
6 SE Vienna	21	1800EST			0	0	?	?	Thunderstorm Winds

Scattered trees and tree limbs were blown down over Dooly County, tearing down power lines. Scattered power outages resulted. Near Georgia Highway 257, just inside the Dooly County line, a barn was blown down and the roof was blown off a house.

<b>Wilcox County</b>									
2 E Seville	21	1750EST			0	0	?	?	Thunderstorm Winds
Rochelle	21	1800EST			0	0	?	?	Thunderstorm Winds
Abbeville	21	1815EST			0	0	?	?	Lightning Thunderstorm Winds

Approximately 12,000 customers were left without power in Wilcox County after numerous trees, uprooted or broken by the winds, tore down utility lines.

<b>Mitchell County</b>									
4 NE Camilla Countywide	21	1800EST			0	0	?	?	Thunderstorm Winds

Numerous trees and tree limbs were blown down by winds over the entire county. Scattered power outages developed when the falling trees and limbs tore down utility lines. Considerable damage occurred around Georgia Highway 112 northeast of Camilla.

<b>Glascock County</b>									
Mitchell	21	1800EST			0	0	?	?	Thunderstorm Winds
Irwin County	21	1805EST			0	0	0	0	Hail (0.75)

<b>Twiggs County</b>									
Jeffersonville	21	1835EST			0	0	?	0	Lightning

A bolt of lightning struck the courthouse clock. Traveling along the copper gas line around the courthouse, the lightning burst bricks off the building's walls. The law library and the magistrate's office sustained fire damages.

<b>Dodge County</b>									
Countywide	21	1848EST			0	0	?	?	Thunderstorm Winds

Scattered trees were uprooted or broken over several rural locations in Dodge County.

<b>Emanuel County</b>									
Stillmore	21	1900EST			0	0	?	?	Thunderstorm Winds Small Hail

Winds, estimated to be near 60 mph, uprooted several mature trees and damaged a small storage house.

<b>Floyd County</b>									
5 N Rome	27	1415EST			0	0	0	0	Funnel Cloud
Rome	27	1514EST			0	0	0	0	Thunderstorm Winds

Four trees were blown down by thunderstorm winds.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## GEORGIA Cont'd

**Bleckley County**  
Southern Bleckley County

28	1235EST				0	0	?	?	Thunderstorm Winds
28	1235EST				0	0	0	4	Lightning

Widespread power outages occurred across southern Bleckley County when winds tore down power lines and uprooted trees. Lightning killed six dairy cows standing under a tree in a pasture.

**Cobb County**  
2 W Fulton County Airport (FTY)

28	1350EST	Short	50	0	0	2	0	Tornado (F0)
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A small tornado developed over a wooded section of Cobb County, just west of Fulton County Airport. The tornado uprooted or snapped a few trees as it bounced along its path.

**Walton County**  
Youth

28	1500EST				0	0	?	?	Thunderstorm Winds Small Hail
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Scattered trees were uprooted or broken around Youth in western Walton County.

**Camden County**  
St. Mary's

28	1500EST				0	0	?	?	Thunderstorm Winds
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Strong thunderstorm winds caused a tree limb to crash into the side of a house causing extensive damage. A large storage shed, on the same property, was lifted off its foundation over a fence and down an embankment.

**Habersham County**  
Baldwin  
2.5 E Cornelia

28	1600EST				0	0	0	0	Hail (1.75)
28	1610EST				0	0	0	0	Hail (1.75)

Large hail developed at Baldwin and over southeastern Habersham County, just east of Cornelia near Nancy Town Lake.

**Stephens County**  
Southern Stephens County

28	1615EST				0	0	?	?	Thunderstorm Winds
----	---------	--	--	--	---	---	---	---	--------------------

Scattered trees were blown down over the southern portion of Stephens County, east of Georgia Highway 184.

**Jasper County**  
Oconee National Forest  
7 SW Monticello

28	1630EST				0	0	?	0	Thunderstorm Winds
28	1630EST				0	0	0	0	Hail (1.00)
28	1630EST				0	0	?	?	Thunderstorm Winds

Numerous trees were blown down over southwestern Jasper County.

**Monroe County**  
5 NE Forsyth  
Bernier

28	1710EST				0	0	?	?	Thunderstorm Winds
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Scattered trees were blown down along and across Georgia Highway 83 in northeastern Monroe County.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## GEORGIA Cont'd

Jones County 4 W Gray	28	1715EST			0	0	?	?	Thunderstorm Winds
Southern Jones County	28	1730EST			0	0	?	?	Thunderstorm Winds

Scattered trees and power lines were blown down by winds west of Gray and over the southern section of Jones County. With utility lines down, widespread power outages resulted.

## IDAHO

IDZ004	06	1500MDT- 1600MDT			0	0	4	0	High Wind
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Strong winds estimated at over 50 mph demolished a hay barn at Fairview in Franklin County. Large pieces of sheet metal were found up to one-quarter mile away. Feeding stalls were overturned. Roofing metal was torn from barns. Large tree limbs took out power lines.

IDZ001	20	1000MDT- 1600MDT			0	0	0	4	Hail (0.75)
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A hail storm damaged half of two thirds of the fruit orchards in the Emmett Valley.

IDZ008	23	1200MDT			0	0	3	0	Flash Flood
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A cloudburst with rainfall estimated at one to two inches in half an hour washed tons of topsoil and rocks up to football-size from fields above the valley town of Culdesac. Worst hit was Culdesac School where three to five inches of mud and water filled the basement cafeteria. The mud flow also inundated a number of yards.

IDZ008	28	0600MDT- 1800MDT			0	0	2	0	Flood
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Three Mile Creek, flowing through the middle of Grangeville, flooded streets and seeped into basements. One and sixty-one hundredths inches of rain fell at Rangeville on the 28th and 29th with over an inch of that on the 29th.

IDZ001	29	0900MDT- 1500MDT			0	0	2	0	Flood
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Heavy rain, 1.77 inches between midnight and 1800 MDT on the 29th, flooded neighborhood streets and intersections and closed one school. A 150-foot long lake developed on the south side of the school, and about an inch of water leaked inside.

IDZ001	30	1600MDT- 1700MDT			0	0	2	0	High Wind
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In Marsing high winds with gusts estimated at 60 mph blew over a willow tree and knocked branches into the streets. A power pole was blown over.

IDZ008	30	1200MDT- 1800MDT			0	0	2	0	Flash Floods
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Water accumulated 6 inches deep in 5 minutes, flooding streets and basements in Lewiston. The Weather Service Office in Lewiston reported 0.47 inch of precipitation during the 24-hour period of the calendar day of the 30th.

IDZ003	30	0600PDT- 1800PDT			0	0	1	0	Flood
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Heavy rains caused street flooding up to two feet deep in American Falls.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ILLINOIS

**Rock Island County  
Moline**

**04 Noon CST                                      0   0   5   0   Flood**

Runoff from heavy rain caused damage to homes, roads, and drainage systems.

**Statewide**

This early May event served as a prelude to large-scale flooding that occurred over most of Illinois through the month into June. The worst flooding was in the southeast. Rivers affected included the Embarras, Little Wabash with its Skillet Fork, Sangamon, and the Kaskaskia River Basin. Near record flooding occurred at Carmi, Wayne City, and at Monticello. Monthly rainfall totals were in the eight- to ten-inch amounts in the south and central parts of the state, and some locations got three to six inches of rain in six to 12 hours in the May 15th to 17th period. The worst damages were related to agriculture and failure of agricultural levees. Estimated damage to Illinois agriculture was \$47.6 million. Flash flooding occurred in southwest Chicago suburbs near Centralia, and areas near Peoria and Springfield.

**ILZ003-005-007  
Northeast Illinois**

**09 0900CST-  
2100CST                                      0   0   ?   ?   Flash Flood**

Train-echo thunderstorms developed early May 9th and continued into the evening. This caused rapid rises of creeks and rivers. Heavy rain fell from Peoria across Marseilles to the Chicago area. Three to 4.50 inches fell in a band about 20 miles wide, with amounts one to three inches either side. Heavy rain in the Chicago area occurred between 1100 and 2100 CST. Flash flooding resulted in Du Page, Will, and Cook counties. Flooding around Peoria was also characterized as flash flooding. Some of the streams affected were the Calumet, Illinois, Fox, Du Page, Des Plains, and Salt Creek.

**Sangamon County  
Springfield**

**09 1230CST                                      0   0   4   ?   Thunderstorm Wind**

Thunderstorm winds caused damage to trees and power lines.

**Fulton County  
Canton**

**09 1500CST                                      0   1   2   0   Lightning**

Seventeen-year-old Angel Ernst was shocked and burned while talking on the telephone when lightning struck near the back of her house.

**Jersey County  
Jerseyville**

**09 evening                                      0   0   3   0   Thunderstorm Wind**

Thunderstorm winds destroyed the roof of a house.

**Macoupin County  
Virden**

**09 1930CST    0.25    50    0   0   5   0   Tornado (F2)**

A brief touch down of a tornado destroyed a mobile home with minor damage to power lines and other structures.

**Clinton County  
Breese-Carlyle**

**09 evening                                      0   0   4   0   Thunderstorm Wind**

Trees were blown into power lines from Breese east to Carlyle across central Clinton County by thunderstorm winds.

**Bond-Montgomery  
Counties**

**09 1815CST                                      0   0   4   0   Thunderstorm Wind**

Near Panama along the Bond-Montgomery County border and throughout Montgomery County, thunderstorm winds caused damage to trees and some structures and outbuildings.

**Jackson County  
near Cedar Lake**

**09 1905CST                                      0   0   3   0   Thunderstorm Wind**

Power lines were downed by thunderstorm winds near Cedar Lake.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ILLINOIS Cont'd

<b>Williamson County</b> near Marion	09	1915CST			0	0	3	?	Thunderstorm Wind
Numerous trees were downed by thunderstorm winds.									
<b>Franklin County</b> near Orient	09	1918CST			0	0	4	0	Thunderstorm Wind (G74)
Thunderstorm winds moved a double-wide manufactured home from its foundation and caused other minor damage.									
<b>Hamilton County</b> 4 W McLeansboro	09	1930CST	0.5	50	0	0	4	?	Tornado (F2)
A mobile home was destroyed and other minor damage to power lines and structures was reported as a result of a tornado.									
<b>Fayette County</b> near Farina	09	1930CST			0	0	4	0	Thunderstorm Wind
A tractor-semitrailer was blown off Interstate 57 and overturned near Farina by thunderstorm winds; apparently the driver was unhurt. Roof damage was also caused by thunderstorm winds.									
<b>Marion County</b> Kinmundy	09	1930CST			0	0	4	0	Thunderstorm Wind
Thunderstorm winds blew a tree over on a car and power lines.									
<b>McLean County</b>	09	1930CST			0	0	3	0	Thunderstorm Wind
Thunderstorm winds caused damage to structures and trees at scattered locations, mostly near Anchor.									
<b>Effingham County</b>	09	1940CST			0	0	5	0	Thunderstorm Wind
Thunderstorm winds caused heavy damage to two mobile homes near Edgewood. Numerous reports of other minor damage countywide.									
<b>Clay County</b> near Iola	09	1940CST			0	0	4	0	Thunderstorm Wind
Four power line poles were reported flattened like dominos by thunderstorm winds.									
<b>Champaign County</b> Urbana	09	1940CST	0.5	50	0	0	4	0	Tornado (F1)
A tornado skimming the tops of trees caused heavy damage to the roof of a duplex apartment. A female occupant barely escaped injury by leaving the bed under which she was sheltering moments before the roof crashed on top of it.									
<b>Massac County</b> Metropolis	09	1945CST			0	0	5	0	Thunderstorm Wind
Several large trees were broken and toppled into homes and power lines. There were reports of other scattered damage in the county.									
<b>Wayne County</b> Fairfield	09	1950CST			0	0	4	0	Thunderstorm Wind
Trailers were damaged at a sales dealership in Fairfield and numerous other minor damages to trees and property countywide.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ILLINOIS Cont'd

<b>Richland County near Parkersburg</b>	09	1955CST			0	0	4	0	Thunderstorm Wind
A tractor-semitrailer was overturned by strong thunderstorm winds and trees were across roads.									
<b>Crawford County</b>	09	2000CST			0	0	5	0	Thunderstorm Wind
Thunderstorm winds caused an estimated \$100,000 damage across Crawford County. A downburst occurred from Flat Rock north to Palestine between 2000 CST and 2030 CST. Homes, barns, and trees were badly damaged. No injuries were reported, but some people narrowly escaped injury.									
<b>Cumberland County near Greenup</b>	09	2000CST			0	0	3	0	Thunderstorm Wind
Thunderstorm winds damaged a modular home.									
<b>White County</b>	09	2005CST			0	0	4	0	Thunderstorm Wind
A barn was destroyed and a tractor-semitrailer overturned by strong thunderstorm winds. Trees were reported blocking roads.									
<b>Edwards County West Salem</b>	09	2010CST			0	0	4	0	Thunderstorm Wind (G87)
A tractor-semitrailer turned over and there were numerous reports of damage to trees and structures by thunderstorm winds.									
<b>Richland County Olney</b>	09	2015CST			0	0	0	3	Thunderstorm Wind
Several trees were uprooted by thunderstorm winds.									
<b>Wabash County Lancaster</b>	09	2020CST			0	0	4	0	Thunderstorm Wind
Violent thunderstorm winds caused damage to homes, trees, and other structures. Debris was scattered and caused damage along a south to northeast direction in suburban Lancaster.									
<b>Lawrence County near Sumner</b>	09	2035CST			0	0	4	?	Thunderstorm Wind
Trees and power lines were reported downed by thunderstorm winds.									
<b>Calhoun County Brussels- Golden Eagle</b>	12	1600CST			0	0	5	6	Thunderstorm Wind Heavy Rain
Thunderstorm downburst winds caused \$1.6 million damage to mostly fruit trees and other crops. The Soil Conservation Service estimated 20,000 tons of top soil washed away with heavy rainfall and runoff. The heavy damage was mostly in a swath nine by two miles from Brussels to Golden Eagle.									
<b>Madison-Bond Counties</b>	12	1645CST	6.0	100	0	0	5	?	Tornado (F1)
A tornado touched down near New Douglas in northeast Madison County and then skipped northeast for about six miles. Many homes were damaged and outbuildings were destroyed along a path that paralleled the Union Pacific Railway into rural Bond County. One man, Donald Blankenship, said he saw the funnel that was about three to four feet across and ten to 15 feet off the ground. It was "dancing and snaking" as it approached. "There was no loud roar and it did not sound like a freight train, just a loud whoooof", he said. Apparently the noise was the destruction of his large machine shed, 60 x 126 feet.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ILLINOIS Cont'd

<b>Madison County</b> Godfrey	12	1700CST			0	0	4	0	Thunderstorm Wind
									Thunderstorm wind caused damage to several barns and outbuildings.
<b>Alton</b>	12	1700CST			0	0	4	0	Thunderstorm Wind
									A storage building was damaged and trees broken at ground level by thunderstorm winds. Other minor damage was reported.
<b>Montgomery County</b> Walshville	12	1705CST	0.2	100	0	0	5	?	Tornado (F2)
									A brief tornado touched down destroying a 150-foot long machine shed and grain silos and damaged other structures.
<b>Fayette County</b> near Vandalia	12	1730CST			0	0	0	3	Thunderstorm Wind
									Trees were downed by thunderstorm winds.
<b>Effingham County</b> Shumway	12	1730CST			0	0	4	0	Thunderstorm Wind
									A home was destroyed and others damaged by thunderstorm winds.
<b>Cumberland-Clark Counties</b> 1 N Vevay Park	12	1905CST			0	0	4	0	Thunderstorm Wind (G72)
									A manufactured home was destroyed and trees were blown over by thunderstorm winds. Other minor damage was reported across rural western Clark County.
<b>Coles County</b> Coles County Airport	12	2015CST			0	0	3	0	Thunderstorm Wind (G72)
									Thunderstorm winds flipped an airplane and were estimated at 72 knots by an airport attendant.
<b>Crawford County</b>	12	2030CST Estimated			0	0	?	?	Thunderstorm Wind
									A newspaper reported non-specific damage caused by thunderstorm winds.
<b>ILZ008-014</b> Southern Two-Thirds of Illinois	15- 17				0	0	?	7	Flood
									A large part of this area was declared an Official Disaster Area. Streams affected were Embarras, Sangamon, Kaskaskia, Shoal Creek, Vermillion, Salt, Little Wabash, Skillet Fork, Spoon, La Moines, Illinois, and The Big Muddy. Heavy rain fell on already moist to saturated soil over a period from May 15th to the 17th, then off and on through the end of the month. Heaviest rain occurred on May 15th and 16th in the area around Centralia and caused a flash flood event. Flooding at Springfield also was characterized as flash flood. Some witnesses said it was the worst flooding they had seen, while others said it was the worst flooding since 1961. In these floods, a man drowned on May 17th at 0600 CST (estimated), listed elsewhere.
<b>Logan County</b> 27 NE SPI	15	1545CST			0	0	3	0	TSTM Wind
									Tree limbs and power lines were downed by thunderstorm winds.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ILLINOIS Cont'd

<b>Monroe County</b>	15	1700CST			0	0	?	0	Hail (1.75)
<b>Clinton County</b> near Trenton	15	1705CST			0	0	0	0	Thunderstorm Wind (G56) Thunderstorm Wind
Carlyle	15	1725CST			0	0	3	0	

Power lines, trees, and limbs were downed at several locations with a possible tornado.

<b>Fayette County</b> Ramsey - Vandalia	15	1745CST			0	0	5	0	Thunderstorm Wind
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A roof was blown off a newly built home with other scattered damage to structures and trees.

<b>Marion County</b> near Centralia	15	1800CST			0	0	0	2	Thunderstorm Wind
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Trees were downed at Omega southeast of Centralia.

<b>Douglas County</b> near Tuscola	15	1943CST	0.1	30	0	0	0	0	Tornado (F0)
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A brief tornado touch down was reported.

<b>Lawrence County</b> Lawrenceville	15	2010CST			0	0	0	3	Thunderstorm Wind
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Several large trees were uprooted by thunderstorm winds.

<b>Wabash County</b> Allendale	15	2020CST			0	0	0	3	Thunderstorm Wind (E52)
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Estimated 60 mph thunderstorm winds downed several trees.

<b>Fayette County</b> Ramsey	16	0001CST			0	0	4	0	Thunderstorm Wind
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There was damage to structures and trees at several locations.

<b>Jersey County</b> Jerseyville	16	0018CST			0	0	?	?	Hail (1.00)
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<b>Effingham County</b> Altamont- Effingham	16	0100CST- 0150CST	15	100	0	0	5	0	Tornado (F1)
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An intermittent-path tornado first touched down near Altamont, then Dexter, then near Effingham County Airport, then just north of Funkhouser, then near Lake Sara, and finally did heavy roof damage near Effingham at the 400 Plaza and Effingham builders supply. A 70-foot antenna was blown over at Finest Detail Auto Cleaning. Rainfall overnight at Effingham was 2.46 inches.

<b>Macoupin County</b> 3 SE Plainview	16	0156CST	0.1	50	0	0	0	0	Tornado (F0)
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A brief tornado touch down was reported.

<b>Effingham County</b> Effingham	16	0200CST			0	0	0	0	Thunderstorm Wind (G52)
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Sixty miles-per-hour wind was reported.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROD'S	

## ILLINOIS Cont'd

5 S Dietrich	16	0215CST			0	0	4	0	Thunderstorm Wind
A grain bin was turned over and a barn damaged.									
Crawford County Oblong-Pierceburg	16	0215CST			0	0	5	?	Thunderstorm Wind
Numerous structures, power lines, and trees were damaged by thunderstorm winds, mostly from Oblong to Pierceburg.									
Jasper County Newton	16	0215CST			0	0	4	0	Thunderstorm Wind
A roof was destroyed and other structures damaged by thunderstorm winds.									
Crawford County Hutsonville	16	0235CST			0	0	5	0	Thunderstorm Wind
Every block in town had wind damage to structures and uprooted trees. Many trees were toppled on and through roofs.									
Monroe County Columbia	16	1649CST			0	0	?	?	Hail (1.00)
St. Clair County	16	1651CST			0	0	?	?	Hail (0.75)
White County near Carmi	16	1842CST			0	1	4	?	Thunderstorm Wind
One man was injured by a tree blown over on him. There were numerous other reports of damage to structures and trees by thunderstorm winds.									
4 NE Enfield 2 N Brownville Pont-Ca Lake	16	1900CST	10.0	50	0	0	3	?	Tornado (F1)
An intermittent tornado touched down several times and did damage to barns, structures, and trees. One house was damaged by debris.									
Clinton County 3 W Centralia	17	0600CST Estimated			1	0	3	0	Flood
William McCain drowned when his car was swept into water 12 to 15 feet deep. He had ignored warning barriers on Illinois Route 161 at Crooked Creek. (M72V)									
ILZ004 Northwest Illinois and East Iowa	17	0650CST			0	0	?	?	High Wind
Strong low pressure caused sustained winds 25 to 35 mph with gusts to 54 mph. Blowing dust reduced visibilities across the entire area. Strong winds blew over trees and large branches broke power lines and caused power outages.									
Washington County Hoyleton	25	0900CST			0	0	3	3	Thunderstorm Wind
Trees and roofs were damaged and a shed was blown over.									
Randolph County Chester	25	0919CST			0	0	?	?	Hail (0.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## ILLINOIS Cont'd

Jackson County near Murphysboro	25	1015CST			0	0	?	?	Hail (0.75)
Macoupin County	25	2150CST			0	0	4	0	Thunderstorm Wind

Thunderstorm winds downed telephone and power poles.

White County Carmi	26	0200CST			0	0	?	?	Flash Flood
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Two to three inches of rain fell over Carmi, causing water a foot deep to cover many roads.

## INDIANA

Daviss County 5 N Plainville Elnora Odon	03	1200EST			0	0	3	?	Thunderstorm Wind Hail (1.75)
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Trees were uprooted and power lines were downed by thunderstorm winds. Winds also damaged roofs. Golf ball-size hail was also reported.

Daviss County Washington	03	1222EST			0	0	4	0	Lightning
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A house was struck by lightning. The resulting fire caused about \$5,000 damage.

Bartholomew County Columbus	03	1315EST			0	0	2	0	Thunderstorm Wind
Decatur County Westport	03	1335EST			0	0	2	0	Thunderstorm Wind
Franklin County Southern Franklin County	03	1415EST			0	0	?	0	Thunderstorm Wind

Thunderstorms produced downburst winds which blew down two trees in downtown Columbus and downed four trees and blew a screen porch off a trailer in Westport. A radio station reported one tree blown down in southern Franklin County.

Wayne County Hagarstown and Northern Wayne County	04	1825EST			0	0	4	0	Thunderstorm Wind
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Wayne County Civil Defense reported the roof and doors were blown off a barn, a shed roof was blown off, an outhouse blew over, and several trees were damaged or uprooted in northern Wayne County. Hagarstown Police reported a tree blown down on a car and some other branches down.

Franklin County Blooming Grove	04	1840EST	0.1	20	0	0	4	0	Tornado (F0)
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A brief, weak mini-tornado damaged a sign, a chimney, and an awning at a gas station/store and adjacent house. A few trees were topped. The owners of the business spotted a funnel cloud dipping down just before the wind storm.

Franklin County Eastern Franklin County	04	1900EST- 1925EST			0	0	?	0	Thunderstorm Wind
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The Franklin County Sheriff's Department reported scattered trees down in eastern Franklin County.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## INDIANA Cont'd

<b>Sullivan County</b> Shelburn, Hymera and Sullivan	09	2130EST- 2150EST			0	0	4	0	Thunderstorm Wind
<b>Clay County</b> Coalmont	09	2155EST			0	0	?	0	Thunderstorm Wind
<b>Greene County</b> Midland	09	2155EST			0	0	3	0	Thunderstorm Wind
<b>Owen County</b> 2 N Spencer	09	2208EST			0	0	2	0	Thunderstorm Wind

A severe thunderstorm moved east-northeast through northern Sullivan, southern Clay, northwest Greene, and south and central Owen counties producing downburst wind damage. At least ten trees were downed near Shelburn where falling limbs damaged three homes. At Hymera winds blew in the sides in on two homes and caused roof damage. Near Sullivan winds flattened a mobile home. The Clay County Sheriff's Department reported trees down along the Clay-Greene County line. A barn was damaged south of Midland, north of Linton in Greene County. Strong winds were reported in Coalmont, Clay County. The Owen County Sheriff's Department reported several large trees blocking U.S. 231 north of Spencer.

<b>Knox County</b> Oaktown	09	2140EST			0	0	3	?	Thunderstorm Wind
<b>Gibson County</b> Oakland City	09	2145EST			0	0	3	?	Thunderstorm Wind
<b>Daviess County</b> 4 SE Washington	09	2215EST			0	0	1	?	Thunderstorm Wind

Thunderstorm winds downed power lines and numerous tree limbs.

<b>Putnam County</b> 5 W Greencastle	09	2210EST			0	0	2	0	Thunderstorm Wind
<b>Hendricks County</b> 5 NE Brownsburg	09	2245EST			0	0	?	0	Thunderstorm Wind (G50)

A thunderstorm produced damaging downburst winds blowing down three trees near Greencastle. An amateur radio operator measured a 58 mph wind gust as the storm went through Brownsburg.

<b>St. Joseph County</b> Mishawaka	09	2230EST			0	0	3	0	Thunderstorm Wind
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A weak downburst blew down a two- to three-foot-diameter tree, damaging the corner of a house. Several limbs were downed in a four-block area and some small sheds were damaged at the Princess City Mobile Home Park in the same area.

<b>La Porte County</b> 5 W New Carlisle	09	2245EST			0	0	4	0	Lightning
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Lightning sparked a fire that caused \$15,000 damage to a barn.

<b>Clinton County</b> Frankfort	09	2300EST			0	0	?	0	Thunderstorm Wind
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Thunderstorm winds blew down trees, tree limbs, and power lines in a swath one-quarter mile wide and two to three miles long near Frankfort.

<b>Bartholomew County</b> Columbus	09	2345EST			0	0	3	0	Thunderstorm Wind
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Thunderstorm winds damaged signs and blew in a window at a shopping center in Columbus.

<b>Delaware County</b> Mt. Pleasant	10	0050EST			0	0	4	0	Lightning
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Lightning ignited a fire at a farm house near Mt. Pleasant.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## INDIANA Cont'd

**Sullivan County**  
**Carlisle**                    12 2100EST                    0 0 3 0    **Thunderstorm Wind**

Sullivan County Civil Defense reported several trees blown down by thunderstorm winds on the northwest side of Carlisle. One tree was blown onto a car.

**Parke, Clay, Putnam, Hendricks, Marion, Lawrence Counties**    15 1900EST-2300EST                    0 0 ? ?    **Flash Flooding**

Two to three inches of rain fell over parts of central Indiana in a one- to two-hour-period on the evening of May 15th. Water covered many rural state and county roads and flooded low-lying areas according to reports from law enforcement and amateur radio operators. Urban flooding of streets and ditches occurred on the north side of Indianapolis. In Clay County a trucker reported that several cars went off Interstate 70 near Brazil at 2035 EST due to ponding of water on the road. Many creeks and small streams in central Indiana were above bank full the night of May 15th through much of the 16th.

**Knox County**  
**Bicknell**                    15 2120EST                    0 0 3 ?    **Thunderstorm Wind**  
**Pike County**  
**Petersburg**                15 2155EST                    0 0 3 ?    **Thunderstorm Wind**

Thunderstorm winds broke windows and uprooted trees in Bicknell and uprooted trees and caused minor damage to several homes at Petersburg.

**Madison County**  
**Elwood and Summitville**    15 2245EST                    0 0 3 0    **Thunderstorm Wind**  
**Delaware County**  
**Wheeling**                    15 2315EST                    0 0 ? 0    **Thunderstorm Wind**

Thunderstorm winds blew down large tree limbs and damaged power lines in an area from Elwood to Summitville to Wheeling to near Dunkirk. In Summitville a large tree limb damaged a car and a house.

**Tippecanoe County**  
**Montmorenci**                16 0210EST                    0 0 3 0    **Thunderstorm Wind**

Large oak trees were uprooted and medium-sized pine trees were snapped off halfway up the trunk. Several farm wagons were flipped over several times.

**Vigo County**  
**Terre Haute to Clinton**                    16 0330EST                    0 0 ? ?    **Hail (1.75)**  
**Clinton**                      ?    0    **Thunderstorm Wind**  
**Vermillion County**  
**Clinton**                      16 0335EST                    0 0 ? 0    **Thunderstorm Wind**  
**Sullivan County**  
**Graysville**                16 0345EST                    0 0 3 0    **Thunderstorm Wind**  
**Sullivan**                    16 0349EST                    0 0 3 0    **Thunderstorm Wind (G69)**  
**Carlisle**                    16 0350EST                    0 0 3 0    **Thunderstorm Wind**  
**Greene County**  
**Lyons**                      16 0400EST                    0 0 4 0    **Thunderstorm Wind**  
**Worthington**              16 0415EST                    0 0 5 0    **Thunderstorm Wind**  
**3 S Bloomfield**            16 0415EST                    0 2 5 0    **Thunderstorm Wind**  
**Owen County**  
**Patrickburg**              16 0415EST                    0 0 3 0    **Thunderstorm Wind**  
**Hendricks County**  
**Cartersburg**              16 0415EST                    0 0 ? 0    **Thunderstorm Wind**  
**Monroe County**  
**Stanford**                    16 0430EST                    0 0 2 0    **Thunderstorm Wind**  
**5 NW Bloomington**        16 0430EST                    0 0 4 0    **Thunderstorm Wind**

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K	I	P	S	

## INDIANA Cont'd

Monroe-Morgan State Forest	16	0430EST			0	0	?	0	Thunderstorm Wind
Lawrence County 5 to 8 E Bedford and Heltonville	16	0440EST			0	0	4	0	Thunderstorm Wind
Johnson County Ninevah	16	0455EST			0	0	3	0	Thunderstorm Wind
Shelby County Shelbyville	16	0510EST			0	0	3	0	Thunderstorm Wind

A narrow line of strong thunderstorms blasted through south and central Indiana in the early morning hours of May 16th. The line of storms raced east-northeast at 45 to 50 knots, producing several strong downbursts which downed numerous trees, tree limbs, barns, outbuildings, and heavily damaged several mobile homes. The most damaging storm caused wind damage along a path nearly 100 miles long, from west of Sullivan to near Shelbyville. Another prominent storm went from Carlisle to about five miles southwest of Bloomington. Damage from other storms was more isolated.

The storms first entered west-central Indiana between Clinton and Terre Haute around 0330 EST. An amateur radio operator reported golf ball-size hail between Terre Haute and Clinton. Newspaper reports said 20 phone poles were snapped and many tree limbs were down in northern Vigo County. Clinton Police reported trees blown down. In Sullivan County an old one room school near Graysville was destroyed. A wind gust of 69 knots (79 mph) was clocked at the Sullivan County Airport. Large tree limbs were down in Sullivan, at least two on vehicles. A State Trooper reported large trees blown down in Carlisle. Two mobile homes were destroyed in Lyons. Minutes later, high winds struck the Lamplight Village mobile home park near Bloomfield. Six mobile homes were destroyed and three others had some damage. Two children were injured. In Worthington two trailers were damaged. The Midway Cafe was destroyed and blown across State Road 67. The Marathon Inn, a restaurant and motel had roof damage. Lots of trees were blown down and a few barns and silos were damaged in Greene County. At Cartersburg, two large trees had their tops blown off and one large tree was blown down. A barn was destroyed at Patricksburg in Owen County. In Monroe County, a four-foot-diameter tree was toppled at Stanford and another tree fell on a shed. North of Bloomington, a farm outbuilding was flattened. The storm left a 100-yard-wide path of uprooted and broken trees north of State Road 46, three miles west of State Road 37. One tree fell on a Mercedes, totaling the car. Trees were also damaged at the Monroe-Morgan State Forest. East of Bedford, two trailers were damaged, one severely. Some tree tops were snapped off and phone poles were bent over. A roof and porch were damaged on a house and a satellite antenna was blown down. At Heltonville, winds damaged barn roofs, sheds, porches, windows, and trees. In Johnson County, several windows were blown out of a house at Lamb Lake. Numerous three- to four-foot diameter trees were uprooted. The tops of several large trees were twisted off about 35 feet above the ground. Numerous roads were blocked by fallen trees and limbs in the southern part of the county. A mobile home was knocked off its foundation and a carport was destroyed near Franklin. Thunderstorm winds blew in the back wall of a house on the northwest side of Shelbyville, causing \$3,000 in damage. Awnings and several three-foot-diameter trees and large limbs were blown down in the area.

Gibson, Posey,  
Northern Vanderburgh,  
and Warrick  
Counties  
Dubois County

16	1200EST			0	0	?	?	Flash Flooding
16	1230EST			0	0	5	?	Flash Flooding

Three to four inches of rain flooded county roads and low-lying areas. Browns Ditch in Gibson County overflowed and covered King Road with two feet of water. Water also overflowed onto State Road 168 east of Owensville in Gibson County. An earthen dam on the White River gave way, flooding low lands in the Hazleton area. North and Heim roads were submerged in Warrick County. State Road 460 was covered with water in Posey County. One hundred and fifty people were isolated in the areas of Cuzco and Potaka in Dubois County as heavy rain flooded the White River and Caine Creek. Roads leading to the area were covered with two to four feet of water.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## INDIANA Cont'd

Posey County Mt. Vernon	16	2000EST			0	0	4	?	Thunderstorm Wind
Gibson County Princeton	16	2000EST			0	0	2	?	Thunderstorm Wind
Vanderburgh County Evansville	16	2000EST			0	0	3	?	Thunderstorm Wind (G54)
Warrick County Folsomville	16	2030EST			1	6	5	?	Thunderstorm Wind
Boonville	16	2030EST			0	0	5	?	Thunderstorm Wind
Spencer County Chrisney	16	2035EST			0	0	3	?	Thunderstorm Wind
Pike County Bowman									
Petersburg	16	2040EST			0	0	3	?	Thunderstorm Wind
Perry County Bristow	16	2134EST			0	0	4	?	Thunderstorm Wind

Severe thunderstorms produced wind damage throughout southwest Indiana. Several outbuildings were destroyed a mile west of Mt. Vernon and large sections of roofing were removed in the city. A number of trees were uprooted at Mt. Vernon, Princeton, and Evansville. The WSO at Evansville measured a 54 knot (62 mph) wind gust. At Folsomville a mobile home was overturned killing a 61-year-old man and injuring 6 others. Three other mobile homes were destroyed. In Boonville, a \$100,000 home was destroyed. Another home was destroyed and several others were damaged. Trees and power lines were downed at Chrisney, Bowman, Petersburg, and Bristow. A mobile home was damaged at Bristow. Thunderstorm wind (M61M).

Harrison County Corydon and Central Valley	16	2140EST			0	0	3	1	Thunderstorm Wind
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Trees were blown down.

Clark County New Washington	16	2155EST- 2220EST			0	0	4	1	Thunderstorm Wind
Berdon	16	2214EST			0	0	0	0	Hail (0.75)

Trees were blown down and a barn was destroyed on Highway 62 near New Washington. Trees and power lines were blown down on homes in New Washington. Hail fell at Berdon.

Harrison County	16	2239EST			0	0	2	0	Thunderstorm Wind
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Several trees were blown down in the county.

Jefferson, Orange, Scott, Washington, Clark, Crawford, Floyd, Harrison and Jackson Counties	16	1900EST- 2400EST			0	0	6	2	Flash Flooding
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Up to 8 inches of rain fell over the region on May 15th and 16th. All of these counties reported water over roads and in low-lying areas; however, the greatest damage was reported in Orange, Washington, and Scott counties. In Washington County, two house trailers were swept into Rock Creek in Salem. In Scott County, high water cut off all of the roads into Austin. At around 1900 EST the Jackson County Sheriff's Department reported many county and state roads closed due to high water. For more information on river flooding, see the following entry.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## INDIANA Cont'd

INZ011>015

South-central and Southwest Indiana

16-30

0 0 7 8 Flooding

Major flooding occurred along the White and Lost rivers in south-central and southwest Indiana from May 16th to May 22nd. Extensive agricultural flooding occurred throughout central and southern Indiana along the White, East Fork of White, and Wabash rivers through the end of the month. Wave after wave of thunderstorms with heavy rain moved over already saturated ground in central and southern Indiana from May 15th through the early morning of May 17th. Six to ten inches of rain fell in a band from Hazleton to Rising Sun in southern Indiana.

The most serious flooding was along the Lost River in Orange County. The towns of French Lick, West Baden, and Prospect were under two to seven feet of water and 55 homes and businesses had to be evacuated. A tributary of the Lost River flooded Orleans. Water levels on the Lost River were the highest on record in Orange County and the highest in 40 years in Martin County. The flooding of the headwaters of the Muscatatuck River near Deputy was the highest since 1964.

Flooding along the White River from Petersburg to Hazleton was the worst since 1961. Flooding of the White River upstream from Petersburg to Martinsville and flooding on the East Fork of White River from Lawrence County to Martin County was the worst in over 20 years. The White and East Fork of White River crested at 8 to nearly 12 feet above flood stage at Petersburg, Hazleton, and Shoals. Agricultural losses were estimated at around \$80 million. There was another \$10 to \$20 million losses to homes, buildings, cars, property, roads, utilities, and levees. The water lines to the public water supply at Petersburg were broken when flood waters destroyed a levee. Evacuation was necessary from riverside homes along the White and East Fork of White rivers.

## IOWA

Boone County  
Boone

08 2015CST-  
09 0400CST

0 0 5 0 Urban Flooding

A line of thunderstorms formed over the Boone area. The line was oriented northeast/southwest, with the individual storms moving northeast along the line. About five inches of rain fell in Boone. This caused considerable flooding in the city, with water standing up to four feet deep in places. Many basements in the city were flooded.

Cass County  
5 N Atlantic

08 2120CST

0 0 3 3 Hail (0.75)

Thunderstorms developed from central into southwest Iowa. Very few of these caused any severe weather, but one cell produced dime-size-hail north of Atlantic.

Pottawattamie County

Council Bluffs

09 0157CST

0 0 4 0 Lightning

Fremont County

Tabor

09 0250CST

0 0 5 0 Lightning

Mills County

Emerson

09 0316CST

0 0 4 3 Hail (2.00)

Page County

Shenandoah

09 0320CST

0 0 4 0 Thunderstorm Winds (G60)

Ringold County

Mt. Ayr

09 0355CST

0 0 4 0 Thunderstorm Winds (G50+)

Union County

4 N Creston

09 0415CST

0 0 5 0 Thunderstorm Winds (G80)

A bow-echo configuration formed over southwest Iowa. Severe weather began over the southwest corner of the state as high winds and hail struck the area. Two-inch diameter hail fell at Emerson, while 69 mph winds were recorded at Shenandoah. The highest winds were in Union County. Several buildings were destroyed and structural damage was caused to a house north of Creston. As it moved through Mt. Ayr, high winds caused some damage in the city.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## IOWA Cont'd

in the county was estimated at \$2 million. In Plymouth County, two to four inches of rain caused extensive flooding. U.S. Highway 75 was closed for a while. Several basements collapsed in the town of Merrill. The most serious flooding occurred in the Sioux City area. Between 4.00 and 5.50 inches of rain fell there, with one report of 8.00 inches. This caused a record flood crest on Perry Creek. The creek crested about seven feet over flood stage. Damage was at least \$4.5 million. About 1,000 homes had to be evacuated along Perry Creek. Many homes sustained structural damage. Seventeen houses were destroyed, 256 sustained major damage, and 253 had minor damage. In addition, 86 businesses were damaged by the flood waters, and three bridges were structurally damaged.

**Blackhawk County**  
4 E Waterloo Arpt

19	1415CST	0.3	40	0	0	5	0	Cold Air Tornado (F1)
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**Delaware County**

19	1545CST			0	0	0	0	Cold Air Funnel
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A cold air funnel became a tornado over the northeast part of Waterloo as it touched down briefly. The tornado blew two railroad cars off the tracks and damaged the police training center there. Later on, a cold air funnel was reported in Delaware County.

**Southwest Plymouth and Western Woodbury Counties**

23	0420CST-0750CST			0	0	5	0	Flash Flood
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Heavy rains fell along the Perry Creek basin. Rainfall amounts of 1.50 to 2.50 inches were recorded. The flash flooding was not as serious as that of a few days earlier. Perry Creek crested about 2.50 feet above flood stage.

**IAZ007-010**  
Central into Northeast Iowa

19	0600CST-			0	0	5	3	Flooding
20	1800CST							

**IAZ009-010-011-012-013-014-015-ILZ004-NEZ010**  
Southern half of Iowa

24	0600CST-			0	0	6	5	Flooding
31	2100CST							

Heavy rains on the 18th and 19th caused river flooding along part of the Little Sioux River, Iowa River, Cedar River Basin, Skunk River, and the Raccoon River. This flooding was relatively minor. Additional heavy rains occurred over much of the southeastern three-quarters of Iowa on the 24th and 25th. This caused renewed flooding on the Iowa, Skunk, Raccoon, Des Moines, and Chariton river basins. Flooding also occurred along most streams in south-central and southwest Iowa. The second round of flooding was more serious as it pushed many rivers from one to three feet above flood stage. In a few cases, rivers crested three to five feet above the flood stage, most notably along the Skunk River, Cedar Creek, and the South River. There was considerable agricultural damage to newly emerging crops, since the flood lasted several days.

## KANSAS

**Osage County**  
1 N Carbondale

05	1330CST	3.0	20	0	0	0	0	Tornado (F0)
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A small tornado was sighted by an Osage County Sheriff deputy skipping along at tree top level. Minor damage to a few trees along the three-mile track from one mile north to four miles northeast of Carbondale.

**Johnson County**  
Lake Quivira  
**Sherman County**  
13 S Goodland  
**Sherman County**  
15 S Edson

05	1555CST			0	0	0	0	Hail (0.75)
08	2008CST			0	0	3	4	Hail (2.00)
08	2008CST			0	0	3	4	Hail (1.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## KANSAS Cont'd

<b>Thomas County</b> 7 S Brewster	08	2022CST			0	0	5	5	Hail (3.00)
Hail, the size of baseballs, caused major damage to a radio transmitter along with some severe crop damage.									
<b>Thomas County</b> Brewster	08	2023CST			0	0	3	3	Hail (1.75)
<b>Thomas County</b> Colby	08	2026CST			0	0	3	4	Hail (1.75)
<b>Logan County</b> Monument	08	2051CST			0	0	3	3	Hail (1.75)
<b>Decatur County</b> Oberlin	08	2111CST			0	0	3	3	Thunderstorm Wind (G70)
<b>Decatur County</b> Dresden	08	2115CST			0	0	3	3	Thunderstorm Wind (G70)
<b>Decatur County</b> Jennings	08	2118CST			0	0	3	3	Thunderstorm Wind (G70)
<b>Gove County</b> Grinnel	08	2120CST			0	0	3	3	Hail (1.00)
<b>Sheridan County</b> 8 W Hoxie	08	2125CST			0	0	4	4	Hail (1.75)
<b>Sheridan County</b> 8 W Hoxie	08	2125CST			0	0	4	4	Thunderstorm Wind (G70)
<b>Sheridan County</b> Hoxie	08	2125CST			0	0	4	4	Hail (1.75)
<b>Sheridan County</b> Hoxie	08	2125CST			0	0	4	4	Thunderstorm Wind (G70)
<b>Trego County</b> Collyer	08	2156CST			0	0	3	3	Hail (1.00)
<b>Graham County</b> 14 E Hill City	08	2200CST			0	0	3	4	Thunderstorm Wind (G74)
Several power lines and some large trees were blown down in several areas of Graham County. Winds were measured at 80 mph.									
<b>Rooks County</b> Stockton	08	2205CST			0	0	5	3	Thunderstorm Wind (G70)
A press box and concession stand were destroyed by winds that gusted to 80 mph. Power lines were torn down and large trees were blown over.									
<b>Trego County</b> 13 S Wakarusa	08	2210CST			0	0	5	4	Thunderstorm Wind (G80)
Several farm buildings were destroyed or heavily damaged.									
<b>Ellis County</b> 4 W Ellis	08	2226CST			0	0	5	3	Thunderstorm Wind (G70)
Downburst winds from a severe thunderstorm collapsed a grain elevator and took down power lines.									
<b>Ellis County</b> Hays	08	2237CST			0	0	3	3	Thunderstorm Wind (G70)
<b>Osborne County</b> Alton	08	2239CST			0	0	3	3	Hail (0.75)
<b>Smith County</b> 1 S Kensington	08	2245CST			0	0	3	3	Hail (0.75)
<b>Smith County</b> 2 E Kensington	08	2245CST			0	0	3	3	Thunderstorm Wind (G52)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## KANSAS Cont'd

Smith County Cedar	08	2245CST			0	0	3	3	Hail (0.75)
Osborne County Osborne	08	2256CST			0	0	3	3	Hail (0.75)
Osborne County Portis	08	2256CST			0	0	3	3	Hail (0.75)
Smith County Smith Center	08	2258CST			0	0	3	3	Hail (0.75)
Lincoln County 5 NW Sylvan Grove	08	2318CST			0	0	3	3	Thunderstorm Wind (G61)
Jewell County Ionia	08	2322CST			0	0	3	3	Hail (0.75)
Mitchell County Tipton	08	2323CST			0	0	3	3	Hail (0.75)
Jewell County Burr Oak	08	2326CST			0	0	3	3	Hail (0.75)
Jewell County Mankato	08	2335CST			0	0	4	3	Thunderstorm Wind (G61)
Mitchell County Beloit	08	2340CST			0	0	3	3	Hail (0.75)
Mitchell County 1 N Simpson	08	2350CST			0	0	3	3	Thunderstorm Wind (G52)
Republic County 2 W Scandia	09	0003CST			0	0	3	3	Hail (0.75)
Cloud County Concordia	09	0010CST			0	0	3	3	Thunderstorm Wind (G50)
Cloud County 1 W Concordia	09	0011CST			0	0	3	3	Hail (0.75)
Ottawa County 1 N Ada	09	0012CST			0	0	3	3	Hail (0.75)
Washington County 6 W Washington	09	0052CST			0	0	3	3	Hail (0.75)

High winds uprooted trees, downed power lines, and destroyed several farm buildings in Mankato. Numerous reports of marble to golf ball-size hail.

Scott County 8 W Scott City	11	1702CST	0.1	10	0	0	0	0	Tornado (F0)
Thomas County Colby	11	1725CST			0	0	4	4	Hail (1.75)
Scott County 2 W Scott City	11	1800CST	2.0	10	0	0	0	0	Tornado (F0)

Two tornadoes touched down near Scott City, one at 1602 MST and another at 1700 MST. No damage was reported.

Thomas County 2 SE Colby	11	1924CST			0	0	4	4	Hail (1.00)
Finney County 5 NW Garden City	11	1940CST			0	0	0	0	Hail (0.75)
Finney County 1 E Garden City Airport	11	1945CST	0.2	50	0	0	0	0	Tornado (F0)

A small tornado touched down in an open field just east of Garden City at the HWY 156 and HWY 50 Bypass. Several other funnels were sighted near the airport but no damage was reported.

Finney County 3 W Garden City	11	1955CST			0	0	0	0	Funnel Cloud
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# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD	TIME			KILLED	INJURED	PROPERTY	CROPS	

## KANSAS Cont'd

Finney County 2 N Garden City	11	2013CST				0	0	0	0	Funnel Cloud
Finney County Garden City	11	2025CST				0	0	0	0	Thunderstorm Wind (G50)
Gray County 5 W Cimarron	11	2028CST				0	0	0	4	Hail (1.00)
Gray County 5 S Cimarron	11	2110CST				0	0	0	4	Hail (1.00)
Ford County 1 S Dodge City	11	2220CST				0	0	3	0	Hail (0.75)

The same thunderstorm that caused the small tornado and hail in Finney County moved into Gray and Ford counties producing large hail.

Shawnee County Auburn	12	0119CST				0	0	0	0	Hail (0.75)
Pottawatomie County 1 N Wamego	12	0130CST				0	0	3	3	Hail (1.50)

Large hail covered the ground near Wamego causing damage to cars and crops. Most of the damage was broken windows. Several acres of wheat were badly damaged.

Sedgwick County Goddard	12	0201CST				0	0	3	3	Hail (1.75)
Sedgwick County 5 W Wichita	12	0210CST				0	0	3	2	Hail (1.75)
Sedgwick County McConnell AFB	12	0210CST				0	0	3	2	Hail (1.75)
Sedgwick County East Wichita	12	0222CST				0	0	3	0	Hail (1.00)
Sedgwick County NE Wichita	12	0234CST				0	0	0	0	Hail (0.75)
Butler County 2 N Rose Hill	12	0243CST				0	0	3	2	Hail (1.75)
Lyon County Emporia	12	0730CST				0	0	4	3	Flash Flooding

Heavy rain fell across Chase and Lyon counties causing a rapid rise in creeks and small streams. Bridges on several secondary roads were washed out. One car was washed off the road south of Emporia. The driver was not injured.

Cheyenne County 8 N Wheeler	13	1827CST	13.0	10		0	0	0	0	Tornado (F0)
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A small tornado skipped across Cheyenne County but produced only minor damage.

Graham County Penokee	13	2132CST				0	0	3	3	Hail (1.75)
Graham County Hill City	13	2219CST				0	0	3	3	Hail (1.00)
Rooks County Damar & Palco	13	2219CST				0	0	4	4	Hail (1.75)
Cloud County Concordia	13	2304CST				0	0	3	0	Thunderstorm Wind (G54)
Cloud County Miltonvale	13	2350CST				0	0	3	3	Thunderstorm Wind (G52)

Severe thunderstorms produced some tree damage in Concordia and Miltonvale. Storms developed just west of Concordia and moved southeast.

Chautauqua County 1 S Sedan	14	1758CST				0	0	4	3	Hail (3.00)
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# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## KANSAS Cont'd

Chautauqua County 8 SW Sedan	14	1822CST			0	0	0	0	Hail (1.75)
Chautauqua County Sedan	14	1832CST			0	0	3	0	Hail (1.75)
Chautauqua County 5 SE Cedar Vale	14	1912CST			0	0	0	3	Hail (1.75)
Chautauqua County Countywide	14	2000CST			0	0	4	4	Flooding

Over seven inches of rain fell across Chautauqua County between 2000 and 2300 CST. Several county roads were washed out and two steel bridges were damaged.

Johnson County Countywide	14	2000CST			0	0	5	3	Flooding
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Along with other counties in eastern Kansas, heavy rain flooded basements and washed out roads in Johnson County, with rainfall of four to six inches in two hours. Flooding was reported between 8:00 pm and midnight throughout the four-county area including Miami, Leavenworth, Wyandotte, and Johnson.

Leavenworth County Countywide	14	2000CST			0	0	5	3	Flooding
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Flooding occurred from 2000 CST to 2400 CST.

Miami County Countywide	14	2000CST			0	0	5	3	Flooding
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Flooding occurred from 2000 CST to 2400 CST.

Wyandotte County Countywide	14	2000CST			0	0	5	3	Flooding
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Three to six inches of rain fell over eastern Kansas. Flooding of roads, low areas, and urban areas was reported in Miami, Leavenworth, and Wyandotte counties. Some areas of Kansas City, KS were under six to ten inches of water. Flooding was reported from 2000 CST to 2400 CST.

Summer County 5 W Oxford	14	2020CST	1.0	25	0	0	0	0	Tornado (F0)
Summer County 1.5 S Oxford	14	2021CST	1.0	25	0	0	0	0	Tornado (F0)
Summer County Oxford	14	2030CST			0	0	0	0	Funnel Cloud
Summer County 2 SW Oxford	14	2033CST	0.5	25	0	0	0	0	Tornado (F0)
Montgomery County 1 SW Caney	14	2043CST			0	0	0	0	Funnel Cloud
Chautauqua County 1 S Chautauqua	14	2048CST	0.5	25	0	0	0	0	Tornado (F0)

One of 3 tornadoes in Chautauqua County.

Chautauqua County 4 S Niotaze	14	2110CST	1.0	25	0	0	3	0	Tornado (F0)
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The second of three small tornadoes in Chautauqua County. Only minor damage was reported, mostly fences and small buildings.

Montgomery County 1 N Caney	14	2115CST	0.1	20	0	0	0	0	Tornado (F0)
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The second of three small tornadoes near Caney, KS.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## KANSAS Cont'd

Butler County Eldorado	14	2130CST			0	0	0	0	Funnel Cloud
Chautauqua County 1 N Niotaze	14	2130CST	5.0	25	0	0	0	0	Tornado (F0)

The third tornado in Chautauqua County that evening moved northeastward across a wooded area. Trees were twisted and broken and some power lines were down. The tornado lifted six miles northeast of Niotaze.

Butler County 15 SE Eldorado	14	2138CST			0	0	3	3	Hail (1.75)
Montgomery County 5 N Caney	14	2140CST			0	0	3	2	Hail (1.75)
Chautauqua County Elgin	14	2145CST			0	0	3	3	Hail (3.00)
Montgomery County 5 W Coffeyville	14	2145CST	7.0	50	0	0	3	0	Tornado (F1)

The largest of the Montgomery County tornadoes damaged a farm complex three miles west of Dearing, KS, then traveled east-northeastward dissipating two miles north of Coffeyville.

Harper County Atica	14	2150CST			0	0	0	0	Hail (0.75)
Harper County Atica	14	2156CST			0	0	3	3	Hail (1.75)
Chase County Cottonwood Falls	14	2225CST			0	0	3	0	Hail (1.00)
Sedgwick County Garden Plaine	14	2251CST			0	0	3	3	Hail (1.00)
Pottawatomie County Wamego	14	2317CST			0	0	0	0	Hail (0.75)
Dickinson County 10 S Abilene	14	2330CST			0	0	0	0	Hail (0.75)
Butler County 1.5 W Benton	14	2345CST			0	0	0	0	Hail (0.75)
Butler County Eldorado	14	2345CST			0	0	0	0	Hail (0.75)
Russell County Dorrance	15	0044CST			0	0	0	0	Hail (0.75)
Thomas County Colby - South Side	15	0144CST			0	0	4	4	Hail (1.00)
Thomas County Colby - North Side	15	0150CST			0	0	4	4	Hail (1.00)
Cheyenne County St Francis	15	0230CST			0	0	3	3	Hail (1.00)
Norton County 10 SE Norton	15	0302CST			0	0	4	4	Hail (1.00)
Phillips County Phillipsburg	15	0330CST			0	0	4	4	Hail (1.50)
Rice County 4 E Sterling	15	0405CST			0	0	0	0	Hail (0.75)
McPherson County Moundridge	15	0422CST			0	0	0	0	Hail (0.75)
Reno County Haven	15	0442CST			0	0	0	0	Hail (0.75)
Reno County 20 W Hutchinson	15	0447CST			0	0	3	4	Hail (1.75)
Reno County Buhler	15	0506CST			0	0	3	4	Hail (1.75)
Harvey County 4 S Newton	15	0507CST			0	0	3	3	Hail (1.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## KANSAS Cont'd

Reno County Moundridge	15	0530CST			0	0	3	3	Hail (1.75)
Cloud County Northern Cloud	15	0650CST			0	0	5	4	Flash Flood
Republic County Countywide	15	0650CST			0	0	5	4	Flash Flood
Washington County Countywide	15	0650CST			0	0	5	4	Flash Flood

Two to three inches of rain that fell in less than three hours quickly caused problems in Washington, Cloud, and Republic counties. Several secondary roads remained underwater until late morning. Low areas and basements were flooded with some minor damage to small bridges. Heavy rain fell from 0500 to 0700 CST with most of the flooding from 0600 to 1000 CST.

Douglas County Lawrence	15	0800CST			0	0	3	3	Flash Flood
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Three county roads and one small bridge were washed out when 2.50 inches of rain fell in under two hours. Most of the rain fell in southern Lawrence and areas south of Lawrence.

Douglas County 6 S Lawrence	15	1213CST			0	0	3	0	Flooding
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A second period of heavy rain, complicated by early morning rainfall, flooded US-59 south of Lawrence for over three hours.

Franklin County 8 N Ottawa	15	1213CST			0	0	3	0	Flooding
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Extensive flooding in Ottawa, KS and between Ottawa and Lawrence closed US-56 at the US-59 intersection. Several secondary roads in Franklin County were washed out.

Sherman County 1 S Ruleton	15	1522CST			0	0	4	4	Hail (1.00)
Sherman County 4 S Ruleton	15	1526CST			0	0	4	4	Hail (1.00)

A pickup truck had its windshield blown out when large hail fell across Sherman County. Other vehicles received minor damage.

Jackson County 1 N Hoyt	15	1605CST			0	0	4	0	Thunderstorm Wind (G70)
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Winds gusted to 78 mph north of Hoyt, KS. A barn and several outbuildings were destroyed. Roofs were damaged on three homes two miles northeast of Hoyt. Playground equipment was bent over and lifted from footings. Windows were blown out of a house on the north side of Hoyt.

Dickinson County 2 S Navarre	15	1624CST			0	0	3	3	Hail (1.00)
Dickinson County 1 S Hope	15	1630CST			0	0	3	3	Hail (1.75)
Dickinson County Woodbine	15	1633CST			0	0	3	3	Hail (0.75)
Shawnee County 3 SE Topeka	15	1723CST			0	0	0	0	Hail (0.75)
Scott County Scott Lake	15	1750CST			0	0	3	3	Hail (0.75)
Lane County Healy	15	1805CST			0	0	3	3	Hail (1.00)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## KANSAS Cont'd

Sedgewick County Wichita	15	1805CST			0	0	4	0	Hail (1.75)
Lane County 5 W Shields	15	1810CST			0	0	3	3	Hail (1.00)
Lane County 1 W Shields	15	1815CST			0	0	3	3	Hail (0.75)
Marion County Florence	15	1830CST			0	0	0	0	Hail (0.75)
Marion County Florence	15	1835CST			0	0	3	3	Hail (1.75)
Sedgewick County Wichita	15	1845CST			0	0	0	0	Funnel Cloud
Chase County Cedar Point	15	1930CST	1.0	10	0	0	0	0	Tornado (F0)
Chase County Homestead	15	1930CST	1.0	10	0	0	0	0	Tornado (F0)
Chase County Hymer	15	1930CST	5.0	25	0	0	4	3	Tornado (F0)

A weak tornado touched down on the north edge of Hymer and traveled five miles to the northeast, about six miles northeast of Hymer. A storage shed and the equipment within was heavily damaged on the north edge of Hymer. Trees and one telephone pole were downed to the northeast.

### Jefferson County 7 NE Topeka

15 1945CST 0 0 3 0 Flooding

The water was two feet deep on roads between Topeka and Perry Dam.

### Harvey County 2 NW Burrton Osage County Lyndon

15 2000CST 2.0 25 0 0 0 0 Tornado (F0)

15 2026CST 0 0 3 3 Flooding

Heavy rain from earlier in the day combined with later rain causing creeks to rise around the town of Lyndon. Some of the streets in Lyndon were under water for over an hour.

### Harvey County 4 SE Newton

15 2035CST 20.0 50 0 0 3 3 Tornado (F1)

A tornado damaged several farms in Harvey County as it moved eastward. It crossed into Butler County two miles north of Whitewater where it destroyed a farm home and several outbuildings. Power poles were blown down in both Harvey and Butler counties. The tornado lifted four miles northeast of Degraff, KS.

### Lyon County Countywide

15 2120CST 0 0 4 4 Flooding

A second wave of heavy rain caused flooding along the Neosho and Cottonwood Rivers in southern Lyon County. Farm fields were flooded and two roads were blocked by water.

### Labette County Edna

16 1405CST 0 0 3 0 Thunderstorm Wind Damage

### Labette County Mound Valley

16 1415CST 0 0 3 0 Thunderstorm Wind Damage

### Labette County Mound Valley

16 1436CST 0 0 0 0 Hail (0.75)

### Cherokee County 3 W Galena

16 1448CST 0 0 0 0 Hail (0.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## KANSAS Cont'd

Mead County 10 SSE Copeland	18	1716CST			0	0	0	4	Hail (1.00)
Gray County Copeland	18	1718CST			0	0	4	4	Hail (1.00)
Decatur County 3 NW Traer	18	1750CST	3.0	50	0	0	4	4	Tornado (F1)

A tornado touched down three miles northwest of Traer where it destroyed a machine shed and killed a cow. The tornado lifted three miles west of Cedar Bluffs.

Rawlins County 4 S Herndon	18	1830CST	3.0	10	0	0	3	3	Tornado (F0)
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Only minor damage to some farm buildings was reported from a tornado that touched down four miles south of Herndon moving eastward to one mile south of Herndon.

Seward County 6 NW Kismet	18	1808CST			0	0	0	0	Hail (1.00)
Sherman County Goodland Airport	18	1829CST			0	0	0	0	Thunderstorm Wind (G56)
Rawlins County 5 S Herndon	18	1830CST			0	0	5	5	Hail (2.75)

One farm received extensive damage to the wheat crop when large hail fell five miles south of Herndon.

Gray County Cimarron	18	1837CST			0	0	4	4	Hail (1.00)
Hodgeman County 10 E Kalvesta	18	1752CST			0	0	4	4	Hail (1.25)
Hodgeman County 10 E & 2 S Kalvesta	18	1756CST			0	0	4	4	Hail (1.25)

Large hail fell in a two-mile-wide path from Kismet through Cimarron County and into Hodgeman County. Most of the damage was to farm equipment and vehicles.

Decatur County Oberlin	18	2017CST			0	0	0	0	Hail (1.00)
Gove County Park	18	2058CST			0	0	4	4	Hail (1.00)
Lane County 3 W Digton	18	2115CST			0	0	3	4	Hail (1.00)
Scott County 10 E Scott City	18	2115CST			0	0	3	3	Hail (1.00)
Ness County Beeler	18	2140CST			0	0	4	4	Hail (0.75)
Ness County Utica	18	2140CST			0	0	5	5	Hail (0.75)
Ness County Beeler	18	2148CST			0	0	4	4	Hail (1.75)
Ness County Ness City	18	2207CST			0	0	4	4	Hail (0.75)
Ellis County Ellis	18	2230CST			0	0	5	5	Thunderstorm Wind (G75)

Eighty-four-mile-per-hour winds tore down trees and power lines all over Ellis County. Roofs were torn off several homes and other buildings.

Russell County 2 S Russell	18	2248CST			0	0	3	3	Hail (1.75)
Rush County 1 S La Crosse	18	2250CST			0	0	4	4	Hail (1.00)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

**KANSAS Cont'd**

Rush County Alexander	18	2250CST			0	0	4	4	Hail (0.75)
Rush County Nekoma	18	2250CST			0	0	4	4	Hail (0.75)
Lincoln County Sylvan Grove	18	2333CST			0	0	3	3	Hail (0.75)
Cherokee County Columbus	20	1916CST			0	0	3	3	Hail (1.00)
Labette County 7 E Coffeyville	20	1930CST			0	0	0	0	Hail (0.75)
Cherokee County Columbus	20	1935CST			0	0	3	3	Hail (1.75)
Labette County 8 S Altamont	20	2000CST	0.3	25	0	0	0	0	Tornado (F0)
Cherokee County 6 W Baxter Springs	20	2125CST			0	0	0	0	Hail (0.75)
Cherokee County Columbus	21	0030CST			0	0	3	3	Hail (1.75)
Cherokee County Galena	21	0037CST			0	0	3	3	Hail (1.75)
Sherman County 12 S Goodland	22	1715CST			0	0	0	0	Funnel Cloud
Thomas County 4 S Brewster	22	1735CST			0	0	4	4	Hail (1.00)
Thomas County Brewster	22	1757CST			0	0	4	4	Hail (0.75)
Sherman County 3 E Edson	22	1804CST			0	0	4	4	Hail (0.75)
Sherman County 2 S Edson	22	1805CST			0	0	4	4	Hail (0.75)
Sherman County Edson	22	1808CST			0	0	4	4	Hail (0.75)
Sherman County 3 E Edson	22	1830CST			0	0	4	4	Hail (0.75)
Sherman County 4 E Goodland	22	1840CST			0	0	4	4	Hail (0.75)
Sherman County 3 SE Edson	22	1905CST			0	0	4	4	Hail (0.75)

At Edson, four miles east of Goodland, hail covered the ground along with 1.43 inches of rainfall in an hour. Two inches of rain fell at Goodland.

Thomas County 1 W Brewster	22	1915CST			0	0	4	4	Hail (0.75)
Barton County Hoisington	24	1544CST			0	0	3	3	Hail (1.25)
Rush County 1 S La Crosse	24	1545CST			0	0	0	0	Hail (0.75)
Rush County 5 S Timken	24	1600CST	18.0	10	0	0	4	4	Tornado (F0)

A small tornado touched down five miles south of Timken. A door was blown off a storage shed and some other minor damage was reported east and southeast of Timken. The tornado lifted just west of the Barton County line.

Barton County 1 E Albert	24	1603CST	5.0	10	0	0	0	0	Tornado (F0)
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A small tornado touched down in an open field near Albert, KS and moved northeastward to one mile southwest of Olditz.

Barton County  
Rice County

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## KANSAS Cont'd

Ellsworth County  
Cheyenne Bottoms  
to 8 SE Ellsworth

24 1610CST 26.0 1320 0 6 5 4 Tornado (F3)

Tornado produced over \$500,000 in damage to rural Barton County as it travelled east. It struck an oil rig and four men were injured when they tried to escape in a car. A woman and her husband were injured, south of Claflin. It moved into northwest Rice County at 1630 CST. The tornado moved into Rice County and curved northeast into Ellsworth County. Near Bushton the tornado crashed into a train derailing 88 cars of a 125-car train and stacked these three and four high. A woman and her husband were injured when they tried to outrun the tornado in a truck. She described the storm as a huge black wall. She said that she was "sucked out" of her truck and thrown into a ditch. She stated that at one time she was "airborne, trying to run but my feet wouldn't touch the ground." She also saw a live deer "flying through the air." Tornado crossed into Ellsworth County moving northeastward. For a time it looked like it would strike Holyrood but turned to the east dissipating eight miles southeast of Ellsworth, near Kanopolis Lake. Twelve homes were destroyed and 70 powerpoles were snapped or pulled from the ground.

Barton County  
5 NE Great Bend

24 1630CST 0 0 3 3 Hail (2.50)

A police car and several other vehicles lost windshields and received other damage when large hail fell five miles northeast of Great Bend.

Rice County  
McPherson County  
Marion County  
2 SW Geneseo to  
3 W Lincolnvile

24 1650CST 60 400 0 0 6 5 Tornado (F3)

A tornado formed southwest of Geneseo and moved east. Three homes were destroyed before the storm moved into McPherson County 6 miles east of Crawford. Total damage in Rice County was one million dollars. The tornado moved into McPherson County six miles east of Crawford. It continued across the county producing \$1.5 million in damage but no injuries. Power poles were snapped in half and several farm houses were destroyed. One century-old house was destroyed south of Lindsborg, KS. The tornado crossed into Marion County first producing damage 8 miles west of Duram. It skipped along producing sporadic damage until it dissipated three miles west of Lincolnvile. Total damage in Marion County was \$1.4 million.

Anderson County  
Garnett

24 1935CST 0 0 3 3 Hail (1.50)

Large hail broke car windows and damaged roofs on the south side of Garnett.

Marion County  
5 W Hillsboro

24 1938CST 0 0 0 3 Hail (1.00)

Marion County  
15 NW Marion

24 1945CST 0 0 3 3 Hail (2.50)

Marion County  
12 N Marion

24 1950CST 0 0 3 3 Hail (2.50)

Marion County  
7 S Ramona

24 2005CST 0 0 0 0 Funnel Cloud

Lyon County  
4 S Emporia

24 2015CST 0 0 0 0 Thunderstorm Wind (G60)

Marion County  
Marion Lake

24 2030CST 0 0 4 3 Hail (3.00)

Chase County  
5 NW Elmdale

24 2045CST 0 0 4 4 Hail (2.00)

Coffey County  
6 NW Burlington

24 2100CST 0 0 4 0 Thunderstorm Wind (G65)

Three campers and a small tower were blown over by wind gusts at John Redmond Reservoir.

Franklin County  
6 E Ottawa

24 2105CST 0 0 3 4 Hail (2.00)

Hail mowed down several acres of wheat east of Ottawa. There was also some minor damage to farm vehicles.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## KANSAS Cont'd

Allen County  
6 S Iola

25 1820CST 3.0 25 0 0 4 4 Tornado (F0)

A weak tornado produced \$8,000 in damage to farm equipment and storage bins as well as about \$10,000 in damage to the wheat crop when it touched down six miles south of Iola and lifted about four miles southeast of Iola.

Allen County  
Iola

25 1825CST 0 0 0 0 Hail (0.75)

Allen County  
3 S Iola

25 1840CST 0 0 0 0 Funnel Cloud

Allen County  
Iola

25 1840CST 0 0 0 0 Hail (0.75)

Allen County  
Humboldt

25 1845CST 0 0 3 3 Hail (1.75)

Allen County  
Iola

25 1849CST 0 0 4 0 Hail (1.75)

Allen County  
5 E Petrolia

25 1919CST 0 0 0 0 Funnel Cloud

Allen County  
Iola

25 1936CST 0 0 0 0 Hail (0.75)

Anderson County  
Garnett

25 1940CST 0 0 3 0 Hail (1.00)

Labette County  
Countywide

25 2000CST 0 0 4 5 Flooding

Roads were closed and several hundred acres of farmland were ruined by heavy rain and flooding.

Neosho County  
Countywide

25 2000CST 0 0 4 5 Flooding

Several hundred acres of wheat, corn, and milo were damaged or destroyed by heavy rain and flooding. Several roads were closed overnight along the Neosho River between Chanute and Erie.

Neosho County  
Chanute

25 2003CST 0 0 4 0 Thunderstorm Wind  
Damage

Allen County  
12 N Iola

25 2005CST 0 0 0 3 Hail (1.75)

Allen County  
Humboldt

25 2005CST 0 0 3 3 Thunderstorm Wind  
Damage

Neosho County  
15 E Chanute

25 2007CST 0 0 3 3 Hail (1.75)

Rice County  
10 W Sterling

25 2023CST 0 0 3 3 Hail (1.00)

Anderson County  
4 SE Garnett

25 2030CST 0 0 3 0 Thunderstorm Wind (G60)

Rice County  
Lyons

25 2041CST 0 0 3 3 Hail (0.75)

Harper County  
Anthony

25 2115CST 0 0 3 3 Hail (1.00)

Harper County  
Bluff City

25 2130CST 0 0 0 3 Hail (1.00)

Reno County  
Haven

25 2135CST 0 0 3 3 Hail (1.00)

Harper County  
5 NW Attica

25 2145CST 10.0 50 0 0 3 0 Tornado (F1)

A tornado moved across unused farmland and wooded areas from five miles northwest of Attica to 10 miles northeast of Attica.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## KANSAS Cont'd

Neosho County Chanute	25	2145CST			0	0	3	0	Thunderstorm Wind (G60)
Reno County Hutchison	25	2200CST			0	0	4	3	Hail (1.00)Harper County
Reno County Anthony	25	2215CST			0	0	3	0	Hail (1.00)
Reno County Casleton	25	2227CST			0	0	3	3	Hail (1.75)
Reno County Lake Cheney	25	2235CST			0	0	3	0	Hail (1.00)
Allen County Humboldt	25	2300CST	4.0	25	0	0	0	0	Tornado (F0)

Only minor damage was reported when a weak, "rope-like" tornado touched down on the west side of Humboldt and went northward to four miles north of Humboldt.

Allen County Iola	25	2300CST			0	0	5	4	Hail (1.75)
Labette County Parsons	25	2330CST			0	0	4	0	Thunderstorm Wind Damage
Neosho County Galesburg	25	2330CST			0	0	4	0	Thunderstorm Wind Damage
Neosho County St Paul	25	2330CST			0	0	4	0	Thunderstorm Wind Damage
Neosho County Thayer	25	2330CST			0	0	4	0	Thunderstorm Wind Damage
Russell County 1 S Dorrance	26	1640CST			0	0	3	3	Hail (1.75)
Ellsworth County 10 W Ellsworth	26	1725CST			0	0	3	3	Hail (0.75)
Lincoln County 4.5 N Sylvan Grove	26	1725CST			0	0	3	3	Hail (2.50)
Ellsworth County 4.5 SW Ellsworth	26	1843CST			0	0	3	3	Hail (0.75)

Severe thunderstorms dropped hail and heavy rain over Ellsworth County and southeastern Russell County. Some damage to wheat crops in the area.

Ford County 2 S Ford	30	0336CST			0	0	0	0	Flash Flooding
Finney County 9 W Garden City	30	0452CST			0	0	0	0	Flash Flooding

Thunderstorms produced heavy rain in southwestern Kansas in the late afternoon and again around midnight. The result was a total of six inches of rain from Garden City to Ford to Kinsley.

## KENTUCKY

Breckinridge County	04	1055CST			0	0	0	0	Hail (1.00)
Breckinridge County	15	1230CST			0	0	3	0	Thunderstorm Wind

Two trees were blown down.

Meade County	15	1407EST			0	0	3	0	Thunderstorm Wind
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Several trees and power lines were blown down.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## KENTUCKY Cont'd

Jefferson County	15	1430EST			0	0	2	0	Thunderstorm Wind
Strong winds blew down several trees and power lines throughout the county leaving 4,000 homes without power.									
LaRue County	15	1615EST			0	0	0	0	Hail (0.75)
Hart County									
Cub Run	15	1520CST			0	0	0	0	Hail (0.75)
Nicholas County	16	1700EST			0	0	3	2	Flash Flood
Heavy rain from slow moving thunderstorms overflowed creeks near Carlisle. Several trailers and homes were surrounded by water.									
Hart County									
2 N Munfordville	15	1605CST			0	0	0	0	Hail (1.75)
Taylor County									
Campbellsville	15	1710EST			0	0	2	2	Hail (1.75)
Hart County									
1 E Munfordville	15	1625CST			0	0	0	0	Hail (1.75)
Taylor County	15	1725EST			0	0	4	0	Thunderstorm Wind
Two homes were damaged when strong winds blew down several trees in Campbellsville.									
Green County	15	1805EST			0	0	0	0	Hail (1.00)
Adair County	15	1825EST			0	0	2	2	Hail (1.75)
Green County	15	1830EST			0	0	2	0	Flash Flood
Some small stream flooding was reported in the city of Greensburg.									
Russell County	15	1858EST			0	0	3	0	Thunderstorm Wind
A car was blown off the road and several trees were blown down near Russell Springs.									
Pulaski County	15	1910EST			0	0	3	0	Hail (1.00) Thunderstorm Wind
Several trees were blown down at Science Hill.									
Mason County	16	1500EST			0	0	3	2	Thunderstorm Wind
Several large trees were blown down between Maysville and Lewisburg.									
Henderson County	16	1955CST			0	0	4	0	Thunderstorm Wind
Wind uprooted trees and caused minor house damage.									
Daviess County	16	2000CST			0	2	3	0	Thunderstorm Wind
Two people were injured when a tree crashed through the windshield of a moving car. Also a barn and several trees were blown down in Owensboro.									
McLean County	16	2018CST			0	0	2	0	Thunderstorm Wind
Thunderstorms uprooted trees in both Calhoun and Ramsey.									
Webster County	16	2020CST			0	0	3	0	Thunderstorm Wind
Thunderstorms downed power lines and trees in Providence.									
Breckinridge County	16	2020CST			0	0	3	0	Thunderstorm Wind
Several buildings were damaged as strong thunderstorm winds blew through the county.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## KENTUCKY Cont'd

<b>Hopkins County</b>	16	2025CST			0	0	2	0	<b>Thunderstorm Wind</b>
									Thunderstorm winds downed several trees in Hanson.
<b>Meade County</b>	16	2130EST			0	0	3	0	<b>Thunderstorm Wind</b>
									Strong thunderstorm winds damaged or destroyed three buildings and a garage. Several large trees also were blown down.
<b>Ohio County</b>	16	2055CST			0	0	3	0	<b>Thunderstorm Wind</b>
									Strong winds downed several trees in Hartford.
<b>Boone County</b>	16	2200EST			0	0	4	2	<b>Flash Flood</b>
									Heavy rain caused a few mud slides over roads in rural elevated areas of the county. Six to eight feet of water covered Mt Zion Road near Union. Also, 39 homes were flooded and 125 people were evacuated from the Madison Pike Trailer Park in Fort Wright, and high water closed an elementary school.
<b>Gallatin County</b>	16	2200EST			0	0	4	2	<b>Flash Flood</b>
									High water closed state Route 467 at Bridge 19 between Sparta and Glenco.
<b>Kenton County</b>	16	2200EST			0	0	3	2	<b>Flash Flood</b>
									High water forced the evacuation of a trailer park in the county.
<b>Grayson County Leitchfield</b>	16	2113CST			0	0	4	0	<b>Thunderstorm Wind</b>
									Thunderstorm winds damaged three homes, downed trees, and power lines.
<b>Jefferson County</b>	16	2220EST			0	0	3	0	<b>Thunderstorm Wind</b>
									Several trees were blown down throughout the Louisville area. In addition, power lines which were blown down left 10,000 homes without power.
<b>Hardin County</b>	16	2230EST			0	5	5	2	<b>Thunderstorm Wind</b>
									Thunderstorm winds in excess of 80 mph blasted apart eight trailers and damaged 20 others in Country Side Manor mobile home park in the southeast portion of the county. Five people were taken to the emergency room and two were admitted. One person had a broken arm and the other had multiple cuts.
<b>Bullitt County</b>	16	2230EST			0	0	2	0	<b>Thunderstorm Wind</b>
									A shed was blown down and trees uprooted in Brooks subdivision.
<b>Henry County</b>	16	2238EST			0	0	3	0	<b>Thunderstorm Wind</b>
									Strong thunderstorm winds blew a metal feeding frame 150 feet through the front of a house near Jericho. In addition, several trees were uprooted.
<b>Nelson County</b>	16	2245EST			0	0	3	0	<b>Thunderstorm Wind</b>
									Wind damaged a mobile home in Bardstown.
<b>Warren County Bowling Green</b>	16	2145CST			0	0	3	0	<b>Thunderstorm Wind</b>
									Several trees were blown down.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K I L L E D	I N J U R E D	P R O P E R T Y	C R O P S	

## KENTUCKY Cont'd

<b>LaRue County</b>	<b>16</b>	<b>2245EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<p>Winds estimated from 60 to 70 mph blew down several large trees near Buffalo.</p>									
<b>Edmonson County Brownsville</b>	<b>16</b>	<b>2150CST</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<p>Trees were downed by thunderstorm winds.</p>									
<b>Washington County</b>	<b>16</b>	<b>2255EST</b>			<b>0</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>Thunderstorm Wind</b>
<p>Sixty to 80 mph winds caused nearly \$60,000 in damages to the Washington County Airport. The roofs of two aluminum hangars were ripped off and six airplanes were damaged.</p>									
<b>Shelby County</b>	<b>16</b>	<b>2300EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<p>Several large trees were blown down on Highway 395 in Waddy.</p>									
<b>Hart County</b>	<b>16</b>	<b>2200CST</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<p>Several trees were blown down at Cub Run.</p>									
<b>Marion County</b>	<b>16</b>	<b>2300EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<p>Trees were blown down in Lebanon and throughout the county.</p>									
<b>Green County</b>	<b>16</b>	<b>2302EST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<p>High winds flattened barns and uprooted trees across the county. The hardest hit communities were Summerville and Black Gnat where winds demolished two barns.</p>									
<b>Hart County</b>	<b>16</b>	<b>2210CST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<p>Strong thunderstorms destroyed a mobile home and a barn in Bonnieville.</p>									
<b>Taylor County</b>	<b>16</b>	<b>2315EST</b>			<b>0</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>Thunderstorm Wind</b>
<p>Strong thunderstorm winds damaged a large portion of the dock at the Green River Marina. Several large houseboats were also damaged. Damage estimates were around \$200,000. In addition, winds uprooted trees and damaged homes around the county. A house under construction was completely flattened.</p>									
<b>Anderson County</b>	<b>16</b>	<b>2315EST</b>			<b>0</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>Thunderstorm Wind</b>
<p>Two people were injured when strong winds destroyed a mobile home in the western part of the county. Several houses in the area were also damaged.</p>									
<b>Hart County Linwood Pikeview Jonesville</b>	<b>16</b>	<b>2220CST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<p>Thunderstorm winds destroyed four barns and uprooted many trees.</p>									
<b>Franklin County</b>	<b>16</b>	<b>2320EST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Wind</b>
<p>Several large trees were blown down throughout the county.</p>									
<b>Hart County Hardyville</b>	<b>16</b>	<b>2225CST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Lightning</b>
<p>Lightning struck a barn, starting a fire that destroyed it and killed 22 holstein calves. Damage was estimated at \$32,000.</p>									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## KENTUCKY Cont'd

<b>Mercer County</b>	16	2325EST			0	0	3	2	<b>Thunderstorm Wind</b>
Several trees were blown down near Harrodsburg.									
<b>Logan County</b>	16	2225CST			0	0	2	0	<b>Thunderstorm Wind</b>
Numerous trees were downed by thunderstorm winds.									
<b>Adair County</b>	16	2325EST			0	0	4	3	<b>Thunderstorm Wind</b>
Trees and power lines were blown down in the Niley area. In Columbia, a roof was blown off a building.									
<b>Casey County</b>	16	2328EST			0	0	4	2	<b>Thunderstorm Wind</b>
Strong thunderstorm winds flattened barns, damaged some structures, and downed trees in the Phil area in the southern part of the county.									
<b>Simpson County</b>	16	2230CST			0	0	3	0	<b>Thunderstorm Wind</b>
Thunderstorm winds uprooted trees and downed power lines.									
<b>Woodford County</b>	16	2335EST			0	0	3	2	<b>Thunderstorm Wind</b>
Several trees were blown down and blocked roads between Versailles and Midway in the central part of the county.									
<b>Boyle County</b>	16	2340EST			0	2	4	2	<b>Thunderstorm Wind</b>
Two children were injured when the trailer they were in was blown over by high wind. The injuries were minor. Also, several large trees were blown down near Perryville Battlefield State Park as 60 to 70 mph winds blew through the region.									
<b>Fayette County</b>	16	2341EST			0	0	4	2	<b>Thunderstorm Wind</b>
Trees were downed and power lines blown down in the northern part of the county. Also, a roof was blown off a barn in the central part of the county.									
<b>Jessamine County</b>	16	2344EST			0	0	5	2	<b>Thunderstorm Wind</b>
Several houses were damaged in Grimes when some large trees were blown onto them. Also, two brick walls and a stairwell under construction were destroyed.									
<b>Lincoln County</b>	16	2357EST			0	0	5	2	<b>Thunderstorm Wind</b>
Several barns were destroyed and many trees uprooted from McKinney to Crab Orchard. In addition, a wood product plant was heavily damaged in Stanford. Estimates of damage to the building and contents were around \$100,000.									
<b>Rockcastle County</b>	17	0010EST			0	0	3	0	<b>Thunderstorm Wind</b>
Trees were downed and power was out in the west part of Brodhead.									
<b>Madison County</b>	17	0013EST			0	0	5	2	<b>Thunderstorm Wind</b>
Strong winds damaged two homes and several vehicles. Trees and power lines also were blown down throughout the county.									
<b>Nicholas County</b>	17	0015EST			0	2	4	2	<b>Thunderstorm Wind</b>
A Moorefield couple was treated for injuries when high winds flipped and destroyed their trailer. The trailer was strapped down with eight metal straps.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## KENTUCKY Cont'd

<b>Estill County</b>	17	0017EST			0	0	4	2	<b>Thunderstorm Wind</b>
									Strong winds destroyed a barn and damaged several vehicles in the community of Winston. Several trees in the area also were blown down.
<b>Pulaski County</b>	17	0030EST			0	0	4	2	<b>Thunderstorm Wind</b>
									Several barns were destroyed and many trees uprooted in the Science Hill area. In addition, high winds downed transmission lines and snapped utility poles causing power outages throughout the county.
<b>Monroe County</b>	16	2330CST			0	0	2	0	<b>Thunderstorm Wind</b>
									Thunderstorm winds uprooted a dozen trees in Tompkinsville.
<b>Clinton County</b>	17	0035EST			0	0	4	2	<b>Thunderstorm Wind</b>
									Strong winds damaged several houses and ripped the roof off a building in the community of Albany. A trailer also was destroyed by the storm.
<b>Bracken County</b>	17	0035EST			0	0	3	2	<b>Flash Flood</b>
									High water closed several roads and surrounded some homes.
<b>Mason County</b>	17	0035EST			0	0	4	0	<b>Flash Flood</b>
									Several county roads were washed out by high water.
<b>Pendleton County</b>	17	0035EST			0	0	4	0	<b>Flash Flood</b>
									Several roads were washed out by high water.
<b>Laurel County</b>	17	0040EST			0	0	4	2	<b>Thunderstorm Wind</b>
									Strong thunderstorm winds destroyed a trailer near Keavy. Several large trees in the area also were blown down.
<b>Whitley County</b>	17	0100EST			0	0	3	2	<b>Thunderstorm Wind</b>
									Several trees were blown down near Corbin.
<b>Ballard County McCracken County Livingston County Crittenden County Union County</b>	19	0700CST			0	0	0	4	<b>Flood</b>
									Water from heavy rain which fell over the Eastern U.S. produced lowland flooding along the lower Ohio River. This type flooding is common along the lower Ohio River during the late spring and early summer.
<b>Mercer County</b>	21	1715EST	0.5	50	0	0	4	2	<b>Tornado (F1)</b>
									A tornado touched down on two large farms, the Anderson Circle Farm and the Smith Perkins Farm, four and one-half miles east of Harrodsburg. The tornado destroyed a barn and uprooted several old trees.
<b>Madison County</b>	21	1745EST	0.5	50	0	1	7	0	<b>Tornado (F2)</b>
									The tornado destroyed a barn, then completely leveled a bar and nightclub. One person was injured. A liquor store next to the bar sustained moderate damage. The tornado continued east and tore the roofs off two storage warehouses. Nearly 20 automobiles were damaged. All damage occurred in the city of Richmond.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## KENTUCKY Cont'd

**Powell County**      21 1815EST      0.5      25      0      0      4      0      **Tornado (F0)**

Three miles west of Clay City a small tornado damaged a house and tossed a boat about 150 feet. Several large trees also were uprooted.

**Montgomery County  
Bath County**      21 2030EST                     0      0      6      3      **Flash Flood**

Nearly three inches of rain in a short period of time brought creeks and streams out of their banks. In Montgomery County, nearly eight feet of water was reported over some roads near Stepstone. In Bath County, cows were swept away by flood water near Saltwell.

**Breckinridge County  
Meade County**      25 1315EST                     0      0      4      2      **High Wind**

Strong winds, possibly outflow winds from thunderstorms earlier in the day, moved across the two counties. Several reports of damaged buildings and downed trees were received. Winds were estimated between 60 and 70 mph.

**Rowan County**      28 1343EST      0.5      25      0      0      5      0      **Tornado (F1)**

A tornado touched down in the Farmers area, toppling trees, overturning several airplanes at the airport, and damaging a house. No injuries were reported.

**Carter County**      28 1430EST                     0      0      3      2      **Thunderstorm Wind**

Strong winds uprooted trees and downed power lines throughout the county.

## LOUISIANA

**Caddo Parish  
Shreveport**      03 1458CST                     0      0      ?      0      **Thunderstorm Wind**  
**Shreveport**      03 1530CST                     0      0      ?      0      **Thunderstorm Wind**

**DeSoto Parish  
5 SW Longstreet**      03 1510CST                     0      0      ?      0      **Thunderstorm Wind**  
**5 NE Mansfield**      03 1600CST                     0      0      ?      0      **Thunderstorm Wind**

**Bossier Parish  
Elm Grove**      03 1515CST                     0      0      ?      0      **Thunderstorm Wind**

**Red River Parish  
Westdale**      03 1605CST                     0      0      ?      ?      **Thunderstorm Wind**

**Claiborne Parish  
Homer**      03 1830CST                     0      0      ?      0      **Thunderstorm Wind**

**Red River Parish**      03 1600CST-  
03 1900CST                     0      0      ?      ?      **Flash Flood**

Severe thunderstorms developing in advance of a cold front caused damage to trees and utility poles in scattered locations over northwest Louisiana. Heavy rain caused flash flooding in Red River Parish with several parish highways closed due to flooding.

**Bossier Parish  
Bossier City**      12 0110CST                     0      0      ?      0      **Hail (1.00)**  
**Bossier City**      12 0130CST                     0      0      2      0      **Thunderstorm Wind**

**Caddo Parish  
Spring Ridge**      12 0120CST                     0      0      3      0      **Thunderstorm Wind**  
**Keithville**      12 0125CST                     0      0      2      0      **Thunderstorm Wind**

**Webster Parish  
Minden**      12 0145CST                     0      0      0      0      **Hail (1.00)**

**DeSoto Parish  
Longstreet**      12 0201CST      4.0      125      0      0      3      0      **Tornado (F1)**

**Claiborne Parish  
5 W Athens**      12 0220CST                     0      0      0      0      **Hail (0.88)**



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## LOUISIANA Cont'd

Natchitoches Parish									
1 ESE Marthaville	12	0435CST			0	0	?	0	Thunderstorm Wind
Shamrock	12	0450CST			0	0	0	0	Hail (0.88)
Cypress Mill	12	0500CST			0	0	0	0	Hail (0.88)
Winn Parish									
3 SSW Atlanta	12	0525CST			0	0	?	0	Hail (1.00) Desoto Parish
Logansport	12	0725CST			0	0	?	?	Hail (1.00)
					0	0	3	?	Thunderstorm Wind
Sabine Parish									
Florien	12	0830CST	2.0	125	0	0	3	?	Tornado (F1)
Mt. Carmel	12	0840CST			0	0	?	0	Thunderstorm Wind
Natchitoches Parish									
7 S Bellwood	12	0900CST	0.3	30	0	0	?	?	Tornado (F1)
Winn Parish									
15 SW Winnfield	12	0955CST			0	0	?	0	Thunderstorm Wind
Ouachita Parish									
3 SSW Luna	12	1000CST			0	0	?	0	Thunderstorm Wind
Caldwell Parish									
Vixen	12	1000CST			0	0	?	0	Hail (1.00)
Caddo Parish									
Keithville	12	1110CST			0	0	0	0	Hail (0.88)
DeSoto Parish									
Stonewall	12	1115CST			0	0	?	0	Hail (0.88)
					0	0	2	0	Thunderstorm Wind
Franklin Parish									
Winnsboro	12	1120CST			0	0	?	0	Thunderstorm Wind (G55)
Madison Parish									
Afton	12	1225CST			0	0	2	0	Thunderstorm Wind
Tensas Parish									
3 N Somerset	12	1225CST			0	0	?	0	Thunderstorm Wind
Red River Parish									
1 N Coushatta	12	1235CST			0	0	?	0	Thunderstorm Wind
Martin	12	1230CST			0	0	?	0	Thunderstorm Wind
Winn Parish									
12 SE Winnfield	12	1348CST			0	0	?	0	Thunderstorm Wind
5 NW Winnfield	12	1420CST			0	0	?	0	Thunderstorm Wind
Caldwell Parish									
15 SW Columbia	12	1438CST			0	0	?	0	Thunderstorm Wind
Tensas Parish									
4 W Newlight	12	1515CST			0	0	0	0	Hail (0.75)
Franklin Parish									
Wisner	12	1532CST			0	0	0	0	Thunderstorm Wind
Caddo Parish									
Four Forks	12	1825CST			0	0	?	0	Hail (1.00)
DeSoto Parish									
Keatchie	12	1830CST			0	0	0	0	Hail (0.75)
Sabine Parish									
Zwolle	12	1925CST			0	0	?	?	Hail (1.75)
Tensas Parish									
	12	1800CST-2300CST			0	0	?	?	Flash Flood

A frontal system spawned severe thunderstorms which swept across northern Louisiana during the night and morning hours. Most of the thunderstorm wind damage was confined to trees and power lines; however, thunderstorm wind gusts damaged a mobile home and blew off a house roof in Spring Ridge. In Logansport, thunderstorm wind gusts caused damage to two house roofs. Tornadoes occurred in DeSoto and Sabine Parishes, uprooting trees and utility poles, but causing no damage to man-made structures. Approximately eight inches of rain fell at St. Joseph in Tensas Parish during the afternoon and evening causing considerable flooding of roadways and a few houses.

Caddo Parish	08	0600CST-			0	0	5	6	Flooding
	20	2400CST							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## LOUISIANA Cont'd

Bossier Parish	08	0600CST-			0	0	5	6	Flooding
	20	1200CST							
DeSoto Parish	10	0600CST-			0	0	5	?	Flooding
	25	2400CST							
Red River Parish	10	0600CST-			0	0	?	6	Flooding
	25	2400CST							
Natchitoches Parish	11	0600CST-			0	0	4	6	Flooding
	31	2400CST							
Rapides Parish	12	0600CST-			0	0	5	5	Flooding
	31	2400CST							
Avoyelles Parish	12	0600CST-			0	0	?	5	Flooding
	31	2400CST							
Catahoula Parish	12	0600CST-			0	0	?	6	Flooding
	31	2400CST							
Concordia Parish	12	0600CST-			0	0	5	?	Flooding
	31	2400CST							
LaSalle Parish	12	0600CST-			0	0	?	6	Flooding
	31	2400CST							
Winn Parish	12	0600CST-			0	0	?	?	Flooding
	31	2400CST							
Grant Parish	12	0600CST-			0	0	?	?	Flooding
	31	2400CST							

Heavy rains on the upper watershed of the Red River in Texas and Oklahoma produced near record high stages along the Red River in Louisiana during the middle of May. The Red River remained above flood stages through the end of the month in central Louisiana. An extensive levee network along the waterway confined flooding mainly to agricultural areas. The maximum river stages at Shreveport, 34.5 feet, and Coushatta, 37.3 feet, exceeded the flood stages reached in the 1957 flood, but fell below the all time record flood of 1945. At Grand Ecore and Alexandria, the stages reached during the middle of the month approached, but did not exceed the 1957 or 1945 flood event. An estimated 90,000 acres of land was flooded in the state, and agricultural losses for this growing season were expected to approach \$10 million. Approximately 500 persons were evacuated along the Red River from Shreveport to Alexandria. The high stages in the Red River contributed to flooding on the lower reaches of the Ouachita and Tensas rivers, and aggravated local drainage problems during heavy rain episodes later in the month. A parish by parish breakdown of damage follows:

**Caddo Parish:** Two hundred and fifty residents evacuated from low-lying areas. Nine homes and one mobile home suffered major flood damage, with 22 homes having minor flood damage. Five thousand acres of land flooded with agricultural losses estimated at near \$1.1 million.

**Bossier Parish:** One hundred and fifty residents were evacuated from low lying areas. Four homes and two mobile homes suffered major damage. Fifteen thousand-five hundred sixty acres of cropland were flooded with agricultural losses estimated at \$1.3 million.

**DeSoto Parish:** Five houses and two mobile homes were destroyed by flooding, and four homes suffered major damage.

**Red River Parish:** Thirty-seven thousand acres of cropland were flooded with agricultural losses estimated near \$3 million.

**Natchitoches Parish:** Twenty thousand acres of cropland were flooded with agricultural losses estimated near \$1.6 million.

**Winn Parish:** No damage estimate available at the time of report.

**Grant Parish:** No damage estimate available at the time of report.

**Rapides Parish:** Three residences and five mobile homes were destroyed, and five houses had major flood damage. One thousand-seven hundred fifty acres flooded with agricultural losses estimated at \$294,000.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## LOUISIANA Cont'd

Avoyelles Parish: One thousand-one hundred acres of cropland flooded. Agricultural losses were estimated at \$150,000.

Catahoula Parish: Twenty thousand-one hundred fifty acres of land flooded. Agricultural losses estimated at \$1.02 million.

Concordia Parish: Two houses and one commercial building destroyed by flood waters. Three houses and 22 mobile homes with major damage.

LaSalle Parish: No damage estimate available at this time.

Plaquemines Parish North Portion	13	0800CST- 1200CST			0	0	3	0	Flash Flood
Orleans Parish	13	0800CST- 1200CST			0	0	4	0	Flash Flood
Jefferson Parish	13	0800CST- 1200CST			0	0	5	0	Flash Flood
St Bernard Parish	13	0800CST- 1200CST			0	0	3	0	Flash Flood

Four to eight inches of rain fell across the metropolitan New Orleans area between 0700CST and 1200 CST. On the west bank area of Jefferson Parish, 7.75 inches of rain was measured at a drainage pumping station within three hours, and 8.60 inches was recorded in four hours at another station. The copious rainfall overwhelmed the drainage system and hundreds of homes were flooded. The Gretna/Terrytown area of Jefferson Parish suffered the greatest damage as water entered approximately 500 houses. Other parish-by-parish breakdown of houses flooded include: Orleans Parish - 50 houses minor flooding, St. Bernard Parish - 13 houses flooded, Plaquemine Parish - 12 houses flooded in the Belle Chase area. Numerous roads and highway underpasses were closed in the area for several hours due to the flooding.

Union Parish Taylorville	16	1845CST	0.2	25	0	0	3	0	Tornado (F1)
Bossier Parish Bossier City	16	2235CST			0	0	3	0	Thunderstorm Wind
Webster Parish 8 E Springhill	16	2240CST			0	0	?	?	Hail (1.75)
Claiborne Parish Homer	16	2245CST			0	0	?	?	Hail (0.75) Thunderstorm Wind
West Carroll Parish 5 N Oakgrove	16	2247CST			0	0	?	?	Thunderstorm Wind
East Carroll Parish 5 W Lake Providence	16	2253CST			0	0	?	?	Thunderstorm Wind
Union Parish Spearsville	16	2255CST			0	0	0	?	Hail (1.00)

A few severe thunderstorms developed in advance of a cold front as it moved across northern Louisiana. The severe thunderstorms spawned a tornado near Taylorville which downed numerous trees that blocked Louisiana Highway 558. In Bossier City, thunderstorm winds downed trees and destroyed a storage building. The remainder of thunderstorm wind damage was confined to trees and power lines in rural areas.

Caddo Parish Four Forks	20	1135CST			0	0	?	?	Hail (1.00)
2 S Caspiana	20	1138CST			0	0	?	?	Hail (1.75)
Bossier Parish 2 S Elm Grove	20	1142CST			0	0	?	?	Hail (1.00) Thunderstorm Wind
Bienville Parish 1 NW Ringgold	20	1205CST			0	0	3	0	Thunderstorm Wind

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## LOUISIANA Cont'd

DeSoto Parish 8 NE Logansport	20	1220CST			0	0	0	0	Hail (0.88)
Sabine Parish 3 S Gandy	20	1240CST			0	0	0	0	Hail (1.75)
Webster Parish 1 E Sibley	20	1300CST			0	0	?	?	Thunderstorm Wind Hail (0.88)
Natchitoches Parish 5 SW Natchitoches	20	1310CST			0	0	?	?	Thunderstorm Wind
Gorum	20	1310CST			0	0	?	?	Hail (1.00)
Winn Parish 5 SW Calvin	20	1320CST			0	0	?	?	Thunderstorm Wind Hail (0.88)
Ouachita Parish Swartz	20	1330CST			0	0	?	?	Hail (1.00)
Union Parish Haile	20	1335CST			0	0	?	?	Thunderstorm Wind (G55)
Lincoln Parish 7 SW Ruston	20	1338CST			0	0	?	?	Hail (0.75)
Ouachita Parish West Monroe	20	1340CST			0	0	?	?	Thunderstorm Wind
Rapides Parish England AFB (AEX)	20	1426CST			0	0	0	0	Hail (0.75)

An area of thunderstorms, some severe, moved southward into north Louisiana during the late morning and afternoon producing hail and strong thunderstorm wind gusts. Wind damage was confined to trees and utility poles. No damage was reported to man-made structures.

West Carroll Parish 3 E Oak Grove	21	0744CST			0	0	0	0	Hail (0.88)
Claiborne Parish 5 NE Homer	21	0815CST			0	0	?	?	Hail (1.75)
East Carroll Parish 10 N Lake Providence	21	0818CST			0	0	?	?	Thunderstorm Wind (G52)
Union Parish 12 N Farmerville	21	0822CST			0	0	?	?	Thunderstorm Wind
Morehouse Parish 10 N Bastrop	21	0833CST			0	0	?	?	Thunderstorm Wind
Union Parish 5 E Bernice	21	0908CST			0	0	?	?	Thunderstorm Wind
Lincoln Parish 12 NW Ruston	21	0942CST			0	0	?	?	Hail (1.00)
Tensas Parish 10 N St. Joseph	21	1058CST			0	0	?	?	Thunderstorm Wind Hail (0.88)
Franklin Parish Wisner	21	1101CST			0	0	?	?	Thunderstorm Wind Hail (0.75)
Bienville Parish 8 NE Liberty Hill	21	1528CST			0	0	?	?	Hail (1.50)
6 NE Bienville	21	1528CST			0	0	?	?	Thunderstorm Wind
Jackson Parish 7 NW Jonesboro	21	1543CST			0	0	?	?	Hail (1.00)
					0	0	?	?	Thunderstorm Wind
2 S Jonesboro	21	1515CST			0	0	?	?	Hail (1.00)
					0	0	?	?	Thunderstorm Wind
Winn Parish 5 NW Winnfield	21	1655CST			0	0	0	0	Hail (0.88)
Calvin	21	1650CST			0	0	?	?	Hail (1.00)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## LOUISIANA Cont'd

Grant Parish Polock	21	1800CST			0	0	?	?	Thunderstorm Wind (G52)
Natchitoches Parish Cloutierville	21	1835CST			0	0	?	?	Thunderstorm Wind
Tangipahoa Parish Kentwood	21	1347CST			0	0	?	?	Thunderstorm Wind
Washington Parish Franklinton	21	1355CST			0	0	?	?	Hail (0.88) Thunderstorm Wind

An area of severe thunderstorms moved southward across the northeast and central portion of Louisiana. A few severe thunderstorms also developed over southeast Louisiana during the afternoon. The thunderstorms produced wind gusts of 55 to 65 mph and hail to the size of golf balls at scattered locations. Wind damage was confined to trees and utility poles.

Caddo Parish Bethany	27	1150CST			0	0	?	?	Thunderstorm Wind
DeSoto Parish 4 NW Mansfield	27	1301CST			0	0	?	?	Hail (1.00) Thunderstorm Wind
Red River Parish Lake End	27	1310CST			0	0	?	?	Thunderstorm Wind Hail (1.00)
Sabine Parish 10 N Many	27	1320CST			0	0	?	?	Thunderstorm Wind (G54)
LaSalle Parish Jena	27	1355CST			0	0	0	0	Hail (0.75)
Natchitoches Parish Cloutierville	27	1350CST			0	0	?	?	Thunderstorm Wind
Grant Parish Colfax	27	1405CST			0	0	4	?	Thunderstorm Wind
Montgomery	27	1405CST			0	0	3	?	Thunderstorm Wind
Catahoula Parish Jonesville	27	1425CST			0	0	?	?	Thunderstorm Wind
Rapides Parish 3 NW Tioga	27	1420CST			0	0	?	?	Thunderstorm Wind
Pineville	27	1430CST			0	0	3	?	Thunderstorm Wind
England AFB (AEX)	27	1428CST			0	0	0	0	Thunderstorm Wind (G59)
Alexandria	27	1438CST			0	0	4	0	Thunderstorm Wind
Avoyelles Parish Effie	27	1448CST			0	0	?	?	Thunderstorm Wind
Vernon Parish Hicks	27	1424CST			0	0	?	?	Thunderstorm Wind
Rosepine	27	1430CST			0	0	3	?	Thunderstorm Wind
Pitkin	27	1430CST			0	0	?	?	Thunderstorm Wind
Beauregard Parish Sugartown	27	1434CST			0	0	4	?	Thunderstorm Wind
Evangeline Parish Pine Prairie	27	1525CST			0	0	3	?	Thunderstorm Wind
St. Landry Parish Eunice	27	1541CST			0	0	3	?	Thunderstorm Wind
Pointe Coupee Parish Batchelor	27	1542CST			0	0	?	?	Thunderstorm Wind
East Feliciana Parish east portion	27	1545CST			0	0	?	?	Thunderstorm Wind
West Feliciana Parish parish wide	27	1610CST			0	0	?	?	Thunderstorm Wind
St. Helena Parish parish wide	27	1630CST			0	0	?	?	Thunderstorm Wind
Lafayette Parish 6 S Lafayette	27	1642CST			0	0	?	?	Thunderstorm Wind

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## LOUISIANA Cont'd

West Baton Rouge Parish Erwinville	27	1635CST			0	0	?	0	Thunderstorm Wind
East Baton Rouge Parish Baton Rouge	27	1638CST			0	27	4	0	Thunderstorm Wind
Iberville Parish Plaquemine	27	1650CST			0	0	?	0	Thunderstorm Wind
Calcasieu Parish Sulphur	27	1700CST	0.2	20	0	0	0	0	Tornado (F0)
Livingston Parish Livingston	27	1705CST			0	0	?	?	Hail (1.75) Thunderstorm Wind
Tangipahoa Parish Ponchatula	27	1710CST			0	0	?	?	Thunderstorm Wind
Hammond	27	1710CST			0	0	?	?	Thunderstorm Wind
St. James Parish Lutcher	27	1725CST			0	0	3	0	Thunderstorm Wind
Washington Parish Mt. Hermon	27	1720CST			0	0	?	?	Thunderstorm Wind
Angie	27	1745CST			0	0	?	?	Thunderstorm Wind
St. Charles Parish Paradis	27	1745CST			0	0	?	0	Thunderstorm Wind
Luling	27	1750CST			0	0	3	0	Thunderstorm Wind
St. Rose	27	1755CST			0	0	3	0	Thunderstorm Wind
St. John the Baptist Parish LaPlace	27	1745CST			0	0	?	?	Thunderstorm Wind
St. Tammany Parish 15 S Mandeville	27	1755CST			0	0	0	0	Thunderstorm Wind (G68)
Covington	27	1800CST			0	0	4	0	Thunderstorm Wind
15 S Mandeville	27	1810CST			0	0	0	0	Thunderstorm Wind (G53)
Slidell	27	1810CST			0	0	4	0	Thunderstorm Wind
Jefferson Parish Metairie	27	1757CST			0	0	3	0	Thunderstorm Wind
Orleans Parish New Orleans	27	1800CST			0	0	2	0	Thunderstorm Wind
Lakefront ARPT (NEW)	27	1806CST			0	0	0	0	Thunderstorm Wind (G52)
Algiers	27	1825CST			0	1	0	0	Thunderstorm Wind
St. Bernard Parish Arabi	27	1815CST	0.2	20	0	0	4	?	Tornado (F1)

A line of severe thunderstorms developed over north Louisiana and Mississippi during the afternoon, then increased in coverage and intensity as they moved southward toward the coast. Damaging wind gusts were associated with many of the thunderstorms. Accurate wind gust measurements included: England Air Force Base, Alexandria - 68 mph, Lakefront Airport, New Orleans - 60 mph, National Weather Service Wind Gage, Lake Pontchartrain Causeway - 78 mph. In Algiers, Orleans Parish, the combination of a lightning strike and thunderstorm wind gusts toppled a large tree. The tree fell onto a 9-year-old boy, fracturing his skull and leg. In Alexandria, over 100 trees were toppled or heavily damaged in the city, and several storefront windows were shattered by the wind gusts. In Baton Rouge, the thunderstorm wind gusts toppled over stage equipment at an outdoor music concert injuring 27 persons. Falling trees or large tree limbs heavily damaged houses and autos in Colfax, Slidell, and Covington. The strong wind gusts removed the roofs from buildings in Eunice and Sugartown. Wind damage to buildings or mobile homes occurred in Rosepine, St. Rose, Luling, and Pineville. In Arabi, a tornado touched down, overturning a mobile home and damaging a crane at a sugar refinery. Widespread power outages were reported in many areas as falling trees and limbs severed power lines. Over 16,000 customers in the Alexandria area were without power for several hours.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## LOUISIANA Cont'd

Terrebonne Parish 15 SE Houma	28	1044CST	0.2	25	0	0	0	0	Tornado (F0)
A tornado was sighted by a helicopter pilot over the marsh southeast of Houma.									
Caddo Parish Trees	30	1730CST			0	0	?	?	Hail (2.50)
Oil City	30	1758CST			0	0	?	?	Hail (1.75)
2 N Oil City	30	1800CST	0.25	25	0	0	?	?	Tornado (F1)
Oil City	30	1803CST			0	0	?	?	Hail (2.00)
8 SW Shreveport	30	1820CST	0.25	25	0	0	3	?	Tornado (F1)
3 E Dixie	30	1825CST	0.25	25	0	0	?	?	Tornado (F1)
Bossier Parish 5 N Benton	30	1835CST	0.25	25	0	0	?	?	Tornado (F1)
1 SE Benton	30	1910CST	0.25	25	0	0	?	?	Tornado (F1)
DeSoto Parish 1 N Stonewall	30	1910CST	0.25	25	0	0	?	?	Tornado (F1)
1 S Stonewall	30	2050Cst			0	0	?	?	Hail (2.00)
8 NW Mansfield	30	2055CST			0	0	?	?	Hail (1.75)
Caddo Parish Shreveport	30	1918CST			0	0	?	?	Thunderstorm Wind (G56)
Shreveport Regional Airport (SHV)	30	1921CST			0	0	?	?	Thunderstorm Wind (G50)
Red River Parish Westdale	30	2115CST			0	0	0	0	Hail (0.88)
Hall Summitt	30	2230CST			0	0	?	?	Thunderstorm Wind
Winn Parish Joyce	30	2140CST			0	0	?	?	Hail (0.88)
8 NW Winnfield	30	2210CST			0	0	?	?	Hail (1.00)
Bossier Parish Ninock	30	2225CST			0	0	0	0	Hail (0.75)
Natchitoches Parish Campti	30	2145CST			0	0	?	?	Hail (1.00)
Clarence	30	2155CST			0	0	?	?	Hail (1.00)
Goldonna	30	2200CST			0	0	?	?	Thunderstorm Wind
Bossier Parish Barksdale AFB (BAD)	30	2200CST			0	1	0	0	Lightning
Caddo Parish Shreveport	30	1800CST- 2400CST			0	0	3	0	Flash Flood
Red River Parish Coushatta	30 31	2200CST- 0300CST			0	0	4	?	Flash Flood

Severe thunderstorms developed along a nearly stationary frontal boundary over northwest Louisiana producing scattered reports of large hail, and a few reports of wind gusts exceeding 60 mph. Wind damage was mostly confined to trees. Lightning struck and injured a 29-year-old male civilian employee at Barksdale Air Force Base as he was working on the flight line. He was released from the hospital within a day. Heavy rain caused flooding of small streams and bayous in a few locations in northwest Louisiana. The high stages along the Red River aggravated the drainage problem as streams and bayous could not drain into the major river. In Red River Parish, all roads leading into Coushatta were closed due to flooding and a number of buildings in the town were flooded. In the Shreveport area, several families were evacuated from low-lying areas due to flooding.

Union Parish Farmersville	31	0940CST			0	0	?	?	Hail (1.00)
4 E Downsville	31	1015CST			0	0	0	0	Hail (0.75)
Madison Parish Tallulah	31	0930CST- 1800CST			0	0	4	0	Flash Flood

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## LOUISIANA Cont'd

DeSoto Parish entire parish	31	1300CST- 1900CST			0	0	4	0	Flash Flood
Red River Parish entire parish	13	1100CST- 2000CST			0	0	3	0	Flash Flood
Webster Parish south portion	31	1100CST- 2000CST			0	0	?	?	Flash Flood
Natchitoches Parish east portion	31	1100CST- 2000CST			0	0	?	?	Flash Flood

Thunderstorms developed along a nearly stationary frontal boundary over northern Louisiana and produced heavy rain and flash flooding in a number of parishes in northern Louisiana. High stages along the main rivers such as the Red River and Ouachita River aggravated the drainage problem. The hardest hit area was Tallulah in Madison Parish, where six inches of rain fell in the morning. Over 250 residents were evacuated from a low-lying area. In DeSoto Parish, 6.50 inches fell in Mansfield and several homes were flooded. Over four feet of water was reported on U.S. Highways 84 and 171 in DeSoto Parish. In Red River Parish, approximately 7 inches of rain fell in Coushatta; Interstate Highway 49 and Louisiana Highway 151 were closed due to high water. Several state highways were closed due to flooding in Webster and Natchitoches Parishes.

St. Helena Parish Greensburg	31	1500CST			0	0	?	?	Thunderstorm Wind
Point Coupee Parish New Roads	31	1515CST			0	0	?	?	Thunderstorm Wind
4 E Livonia	31	1515CST			0	0	?	?	Thunderstorm Wind
West Baton Rouge Port Allen	31	1520CST			0	0	?	?	Thunderstorm Wind
East Baton Rouge Baton Rouge	31	1520CST			0	0	?	?	Thunderstorm Wind
Livingston Parish Watson	31	1515CST			0	0	?	?	Hail (1.75) Thunderstorm Wind
Iberville Parish Plaquemine	31	1600CST			0	0	?	?	Thunderstorm Wind
Washington Parish west portion	31	1530CST- 2000CST			0	0	4	?	Flash Flood
Iberia Parish 15 E New Iberia	31	1650CST	.25	20	0	0	0	0	Tornado (F0)
St. Charles Parish 5 N St. Rose	31	1805CST	.25	20	0	0	0	0	Tornado (F1)

Thunderstorms developed southward from Mississippi into southeastern and east-central Louisiana. Some of the thunderstorms were severe and produced scattered reports of thunderstorm wind gusts which downed trees and tree limbs. Tornadoes were sighted east of New Iberia, and in St. Charles Parish. Rainfall was quite heavy in the western portion of Washington Parish. Nearly eight inches of rain was recorded at Mt. Hermon and 6.50 inches was recorded in Franklinton between 1400 CST and 2000 CST. Nineteen roads in Washington Parish were flooded or suffered water damage. Several businesses in Franklinton also were flooded in the late afternoon and evening.

## MAINE

None reported.

## MARYLAND and D.C.

Carroll County	10	1000EDT			0	0	4	0	Thunderstorm Wind
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A 75-foot tall tree fell onto a house in Union Mills, causing \$10,000 damage. The tree fell following morning thunderstorms that caused heavy rain.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## MARYLAND and D.C. Cont'd

**Wicomico County**    10 1915EDT    0.1    100    0    0    4    0    Tornado (F0)

A tornado touched down briefly on Shavox Road just south of U.S. Route 50, near Salisbury. Eyewitnesses said the funnel was about 100 yards wide. The dormer of a house under construction was lifted over trees and dropped one-quarter-mile away. A shed was also unroofed. Path length was estimated to be one-eighth mile.

**Wicomico County**    10 1919EDT    0.1    25    0    2    4    0    Tornado (F1)

The same storm that produced the tornado in Salisbury caused another tornado touchdown just north of U.S. Route 50 near Willards. Witnesses saw a funnel 50 to 75 feet wide that removed the galvanized sheet-metal roof of a chicken coop (actually a large building, many farmers in Wicomico County are involved with Perdue) and destroyed a mobile home while traveling an intermittent path about one-eighth mile long. Two other mobile homes were overturned causing slight injury to an occupant of one of them, and a tractor-semitrailer was blown off state Route 653 near Pittsville slightly injuring the driver.

**Wicomico County**    10 1900EDT    0.1    25    0    0    4    0    Tornado (F1)

A probable tornado caused by the same storm that produced a tornado at Willards struck the Fruitland area, uprooting several trees and damaging at least five homes.

**MDZ001**    10 1800EDT-  
10 1900EDT    0    0    4    0    Thunderstorm Wind

Many large trees were reported down between state Routes 14 and 313 in the Marshyhope Creek area of Dorchester County. A couple of trees were uprooted at Bishopville in Worcester County. At Eden in Somerset County, at least three mobile homes were severely damaged.

**St. Mary's County**    10 1642EDT    0    0    ?    0    Thunderstorm Wind

Patuxent NAS reported one-inch hail. This storm traveled across Chesapeake Bay and produced a narrow band of large hail in Dorchester County about an hour later.

**Dorchester County**    10 1800EDT    0    0    ?    4    Hail (1.75)

A narrow band of large hail (to golf ball-size) fell in a southwest to northeast path through central Dorchester County, passing through Bucktown and Hurlock. The greatest effect was at Hurlock, where 30% to 40% of local barley and wheat crops were damaged as the hail shattered grain heads.

**Dorchester County**    10 1800EDT    0    0    ?    4    Flooding

Up to four inches of rain caused flooding of several streets in Cambridge and flattened some barley and wheat crops throughout Dorchester County. Minor flooding was also noted at Church Creek.

**Carroll County**    13 1635EDT    0    1    ?    ?    Thunderstorm Wind  
Lightning

There were tree limbs on roadways and large trees down in the Frizzellburg area, just north of Winchester. A man was struck by lightning and was treated and released at a local hospital.

**Charles County**    13 1810EDT    0    0    ?    ?    Thunderstorm Wind

Large trees were downed south of White Plains Park, between La Plata and White Plains east of U.S. Route 301.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## MARYLAND and D.C. Cont'd

**Frederick County    13 1530EDT    0.5    33    0    0    5    0    Tornado (F1)**

A tornado traveled east-southeast one-quarter to one-half mile long path just northwest of Middletown. It was first observed in a plowed field, then it flattened some trees. It then crossed Old Hagerstown Road (one mile north of alternate Route 40) snapping 75-foot trees twenty to thirty feet above the ground. A house was unroofed and several outbuildings destroyed, also a barn was partially unroofed.

**Frederick County    13 1630EDT                            0    0    ?    ?    Thunderstorm Wind**

The same thunderstorms that produced the tornado near Middletown also caused damaging winds in western Frederick; several trees were toppled.

**Prince Georges County    13 1637EDT                            0    0    ?    ?    Thunderstorm Wind**

Strong thunderstorm winds were reported at Friendly.

**Kent County    13 1830EDT    0.1    12    0    0    5    0    Tornado (F0)**

Several people reported a small funnel in the area of Sassafras River between Locust Grove and Galena which came down to the ground for an instant and quickly lifted into the clouds. A machine shed was destroyed and a car was thrown several yards into a house. Tin from the shed was deposited about a quarter mile away. The funnel was estimated at thirty to forty feet wide. At Kennedyville, the tornado caused about \$150,000 damage to barns, grain elevators, and farm equipment.

**Carroll County    13 1630EDT-1830EDT                            0    0    ?    0    Flooding**

Spotter reports indicated flooding on back roads throughout Westminster.

**City of Baltimore    17 1600EDT                            0    3    ?    0    Thunderstorm Wind**

Strong thunderstorm winds toppled a construction crane in East Baltimore, injuring three construction workers. Winds to 31 knots were recorded at Baltimore/Washington International Airport (BWI) around 4:00 pm.

**Cecil County    17 1610EDT                            0    1    4    0    Thunderstorm Wind**

Strong winds downed trees and power lines in and around Elkton. About 110 people lost power as a result. Several large trees were blown down. At Colora, a weather-related accident involving a school bus resulted in slight injury to one person.

**Harford County    28 1800EDT-29 0600EDT                            0    0    3    0    Flooding**

Swan Creek flooded a road to a depth of two feet.

**City of Baltimore    29 0600EDT-29 0900EDT                            0    0    0    0    Flooding**

The northbound tube of the Baltimore Harbor Tunnel was closed due to flooding.

**Anne Arundel County    29 0900EDT-29 1500EDT                            0    0    ?    0    Flooding**

The Patuxent River flooded a road in Davidsonville up to five feet deep. The flooding was caused by water released from the Patapsco Dam to relieve pressure from recent heavy rain.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## MARYLAND and D.C. Cont'd

Talbot and Queen Annes Counties

29 0900EDT-  
29 1500EDT                                    0 0 3 0    Flooding

In Talbot County, the main road through St. Michaels was closed for several hours due to flooding. A fire station and a supermarket were flooded. In Queen Annes County, several roads were closed due to flooding.

Montgomery County

29 1300EDT-  
29 1700EDT                                    0 0 ? 0    Flooding

Power outages from fallen trees and heavy rains affected some one-thousand five hundred customers.

## MASSACHUSETTS

Suffolk County  
Roxbury

18 1250EST                                    0 1 0 0    Lightning

A construction worker was struck by a bolt of lightning and fell ten feet to the ground from a truck. He was taken to a local hospital where he was reportedly placed in the intensive care unit.

Norfolk County  
Franklin

18 1310EST    Short    10    0 0 3 0    Tornado (F0)

A small tornado touched down at Ashcroft Farm on Mounty Street and collapsed a shed, split and felled several trees, and damaged horse carriages.

Norfolk County  
Canton

18 1326EST    Short    10    0 0 3 0    Tornado (F0)

A small tornado touched down near the junction of Chapman and Beatty Streets and, in 20 seconds, traveled nearly to the end of Beatty Street before doing a 180° turn and then another smaller turn to exit between two homes and dissipate. Willow, Flowering Crab, and Spruce Pine were uprooted from soils that had received three inches of rain during the previous week. Falling trees and limbs downed wires and a utility pole. A dog house was seen flying through the air. Small hail was reported along the path of this storm. Only minor damage and no injuries were reported.

## MICHIGAN

MIZ017-018-019-  
West and Central  
Upper Peninsula

09 1200EST                                    0 0 0 0    Heavy Snow

Snow began falling around noon on Wednesday, May 9th. The snow continued to fall through Wednesday night and during the early morning hours of Thursday, May 10th. At this point, the wind increased significantly out of the north at 20 to 30 mph with gusts to 50 mph. By the time the snow ended Thursday evening, 12 inches of snow were on the ground at the National Weather Service office near Negaunee. Seven inches were on the ground in the city of Marquette. Dickinson and Menoninee counties received 8 inches of snow. The heaviest total snowfall was 22 inches at National Weather Service at Marquette. The storm gave Marquette a new all-time record snowfall for May. Due to the strong winds and heavy snow, Interstate-28 between Munising and Harvey was closed most of the day on Thursday. There were several minor car accidents due to near-zero visibilities.

Van Buren County  
Paw Paw

09 2371EST                                    0 0 3 0    Thunderstorm Wind (G52)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## MICHIGAN Cont'd

MIZ001-002-003-  
004-012-013-014  
015-022  
South Half of  
The Lower  
Peninsula

10 0500EST 1 4 5 0 High Wind (G72)

The very deep spring storm that caused the heavy snow over the upper peninsula caused considerable wind damage over lower Michigan during Thursday, May 10th. The deep low moved northeast across Lake Michigan during the morning hours of Thursday to the eastern upper peninsula of Michigan by Thursday evening. West to southwest winds sustained 25 to 35 knots with frequent gusts to 50 knots across all of the southern half of lower Michigan. At the University of Michigan, the North Campus weather station recorded a wind gust to 72 knots around 1330 EST on Thursday. These strong winds resulted in 49,000 customers being without power across lower Michigan at one time or another during the storm. The very strong winds caused eight-foot waves to crash ashore along the western Michigan coast. These waves took the life of Dan Caswell, a teenager, who, with two female friends, went to see the large waves. These large waves swept all of them off a pier near South Haven about 1749 EST Thursday. The two teenage girls were pulled from the water, but Dan was not so lucky. His body was not found and he was presumed drowned. The wind caused structural damage to quite a few buildings across lower Michigan. Some of the more significant damage occurred to an amphitheater on Detroit's east side. There, the canopy was shredded by the wind. Also, the roof was blown off a garden center in Grand Haven and the glass on a store was blown out on a store in St. Joseph. Many other buildings and homes had minor damage ranging from antennas blown down to shingles blown off roofs. Trees and fallen power lines were numerous. Falling trees crushed five cars and one small truck. A man in Lansing and a woman in Sandusky were seriously injured in two of these incidents. In Redford, a tree fell on a dog and crushed it to death. Falling trees caused major structural damage to four homes. So many trees fell that it took three days to get the power back to all customers. All together the damage was over \$100,000. (M170).

## MINNESOTA

Todd County									
3 W Bertha	22	1328CST	0	0	0	0			Hail (1.75)
Browerville	22	1425CST	0	0	0	0			Hail (0.75)
Douglas County									
Alexander	22	1435CST	0	0	3	0			Thunderstorm Wind (G60)
Todd County									
Long Prairie	22	1445CST	0	0	0	0			Hail (0.75)
Pope County									
Villard	22	1500CST	0	0	0	0			Hail (1.75)
Glenwood	22	1512CST	0	0	0	0			Hail (0.75)
Stearns County									
Sauk Centre	22	1520CST	0	0	0	0			Hail (0.75)
Pope County									
Glenwood	22	1530CST	0	0	0	0			Hail (0.75)
Morrison County									
5 W Little Falls	22	1540CST	0	0	0	0			Hail (0.75)
Stearns County									
Waite Park	22	1540CST	0	0	0	0			Hail (0.75) Lightning
Kandiyohi County									
1 NW New London	22	1557CST	0	0	3	0			Thunderstorm Wind
Atwater	22	1636CST	0	0	0	0			Hail (1.75)
Renville County									
Olivia	22	1713CST	0	0	0	0			Hail (1.75)
McLeod County									
Stewart	22	1740CST	0	0	3	0			Thunderstorm Wind

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K	I	P	C	

## MINNESOTA Cont'd

**Brown and Blue Earth Counties**      22 1830CST      0 0 0 5      **Thunderstorm Wind Hail (1.75)**

**Yellow Medicine County  
1 W Canby**      22 1957CST      0 0 0 0      **Hail (0.75)**

Thunderstorms developed across Ottertail and Wadena counties in west-central Minnesota during the early afternoon. These thunderstorms moved south-southeast across central Minnesota during the afternoon and into south central Minnesota by the evening. Damaging winds and hail accompanied these thunderstorms. Winds of 69 mph in Alexandria knocked down trees and overturned an empty semi-trailer. Wind blew shingles off a home and downed an antenna near New London. A car was also damaged by a falling tree in Stewart. Scattered power outages occurred due to thunderstorm winds and also as a result of lightning. Young crops were damaged by winds and marble- to golf ball-size hail in a four- to six-mile-wide swath from southeast of Searles in Brown County to south of Lake Crystal in Blue Earth County.

## MISSISSIPPI

**Harrison County  
Gulfport**      09 0300CST      0 0 4 0      **Thunderstorm Wind**

Windows were blown out of several businesses in downtown Gulfport. Ceramic tiles and stucco facings were also blown off buildings.

**Leflore County  
Greenwood**      09 2230CST      0 0 0 0      **Thunderstorm Wind**

A large tree was blown down just outside Greenwood MHP building.

**Carroll County  
10 N Carrollton**      09 2230CST      0 0 0 0      **Thunderstorm Wind**

One pine tree was blown down onto a power line.

**Warren County  
Vicksburg**      12 1243CST      0 0 ? 0      **Thunderstorm Wind (G56)  
Hail (3.00)**

**Clairborne County  
10 NE Hermanville**      12 1340CST      0 0 4 0      **Thunderstorm Wind**

Several trees were blown down on highway 18. Satellite dishes as well as antennas were blown off houses.

**Hinds County  
5 SE Raymond**      12 1350CST      0 0 ? 0      **Thunderstorm Wind (G52)**

**Hinds County  
20 SW Jackson**      12 1350CST      0 0 ? 0      **Thunderstorm Wind**

Numerous large limbs were blown down with numerous power outages.

**Copiah County  
Crystal Springs**      12 1355CST      0 0 ? 0      **Thunderstorm Wind**

Numerous trees were blown down in and around the city of Crystal Springs.

**Hinds County  
Jackson**      12 1400CST      0 0 4 0      **Thunderstorm Wind**

Several trees and power lines were blown down. A couple of outbuildings were demolished.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## MISSISSIPPI Cont'd

<b>Hinds County</b> Jackson	12	1407CST			0	0	?	0	Thunderstorm Wind (G52)
									Several cars were blown off the highway.
<b>Rankin County</b> 2 SE Florence	12	1400CST			0	0	?	0	Thunderstorm Wind
									Numerous trees were blown down.
<b>Simpson County</b> 4 NW Harrisville	12	1410CST			0	0	?	0	Thunderstorm Wind
									Numerous trees were blown down.
<b>Copiah County</b> 3 N Stronghope	12	1430CST			0	0	?	0	Thunderstorm Wind
									Several trees were blown down.
<b>Clarke County</b> Quitman	12	1645CST			0	0	?	0	Thunderstorm Wind
									Seven power poles were blown down. Numerous tree limbs were blown from trees and several buildings had roof damage.
<b>Jefferson Davis County</b> 2 SW Prentiss	12	1645CST			0	0	?	0	Thunderstorm Wind
									Several trees were blown down.
<b>Claiborne County</b> Tillman	12	1730CST			0	1	5	0	Thunderstorm Wind
									Four houses and three mobile homes damaged and one large tree was blown over.
<b>Claiborne County</b> Tillman	12	1730CST- 1830CST			0	0	?	0	Flash Flooding
									Twenty-two people had to be evacuated due to flooding.
<b>Claiborne County</b> Port Gibson	12	1730CST- 1830CST			0	0	5	0	Flash Flooding
									Five homes had to be evacuated due to flooding. Two bridges were washed out.
<b>Wilkinson County</b> 3 SW Doloroso to 1 SE Rosetta	12	1730CST	19.0	100	0	4	5	0	Tornado (F2)
									At least six houses were destroyed and several other houses had major damage. Two mobile homes were completely destroyed. Several barns and outbuildings were destroyed. Numerous trees were blown down and blocked the roadways along the path of the tornado. All four injuries occurred in one wood framed house.
<b>Jefferson Davis County</b> 7 SE Prentiss	12	1735CST			0	0	?	0	Thunderstorm Wind
									Several trees were blown down.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## MISSISSIPPI Cont'd

<b>Marion County</b> 3 S Improve	12	1830CST			0	0	?	0	Thunderstorm Wind
Several large limbs were blown from trees. Some hail was reported but the size was unknown.									
<b>Jones County</b> Ellisville	12	1900			0	0	?	?	Flash Flooding
Numerous streets were flooded.									
<b>Jefferson Davis County</b>	12	2045CST- 2145CST			0	0	?	?	Flash Flooding
There was widespread flooding in the county, with over one foot of water over Highway 35. Highway 13 North was closed to one lane due to flooding.									
<b>Covington County</b>	12	2100CST 2300CST			0	0	?	?	Flash Flooding
There was widespread flooding along Okatoma Creek. High water got into several homes in Mt. Olive, Collins, Seminary, and Sanford.									
<b>Copiah County</b>	12	2100CST- 2300CST			0	0	?	?	Flash Flooding
Lots of flooding occurred throughout the county. Highways 28 and 27 had water washing over them.									
<b>Lincoln County</b> Brookhaven	12	2115CST- 2230CST			0	0	?	?	Flash Flooding
Widespread flooding of the streets occurred in Brookhaven. Several roads were washed out and several bridges were damaged.									
<b>Forrest County</b> Petal	12	2130CST- 2330CST			0	0	5	?	Flash Flooding
Water got into several businesses and houses along Greens Creek. Three major roads had to be closed.									
<b>Lawrence County</b>	12	2130CST- 2330CST			0	0	5	?	Flash Flooding
Several bridges were washed out and water was over many roads throughout the county.									
<b>Franklin County</b>	12- 13	2200CST- 0030CST			0	0	?	?	Flash Flooding
Several roads were under water with as much as 6 to 8 feet over some roads at times throughout the county.									
<b>Wayne County</b> Waynesboro	12	2230CST- 2330CST			0	0	?	?	Flash Flooding
Many streets were flooded in and around the city.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## MISSISSIPPI Cont'd

<b>Jones County</b>	13	0300CST-0800CST			0	0	5	0	<b>Flash Flooding</b>
Tallahala Creek near Laurel rose very quickly and flooded numerous roads in Jones County. Some headwalls on bridges were washed out and water cut into a lot of roads. Six homes were flooded.									
<b>Claiborne County</b>	13	0130CST-0330CST			0	0	5	?	<b>Flash Flooding</b>
Six and one-half inches of rain fell in a 24 hour period in Grand Gulf. Three more homes and twenty-five more people had to be evacuated due to still rising water.									
<b>Forrest County Hattiesburg</b>	14	1452CST			0	0	?	?	<b>Hail (1.75)</b>
<b>Pontotoc County Algoma</b>	20	0756CST	1.0	30	0	2	5	0	<b>Tornado (F1)</b>
The tornado touched down briefly in Algoma and totally destroyed a mobile home and injured two people. Two other houses received roof damage and several trees were blown down.									
<b>Lee County 2 SW Plantersville</b>	20	0800CST			0	0	4	0	<b>Thunderstorm Wind</b>
Several trees and power lines were blown down. One mobile home was damaged.									
<b>Coahoma County Clarksdale</b>	20	1435CST			0	0	?	?	<b>Hail (1.75)</b>
<b>Issaquena County Mayersville</b>	20	1450CST			0	0	?	0	<b>Thunderstorm Wind (G52)</b>
Several trees were uprooted.									
<b>Leflore County 15 SW Greenwood</b>	20	1525CST			0	0	?	?	<b>Hail (1.75)</b>
<b>Carroll County 4 W Carrollton</b>	20	1540CST			0	0	?	0	<b>Thunderstorm Wind</b>
Several trees were blown down across Highway 82.									
<b>Lauderdale County Lauderdale</b>	20	1540CST			0	0	?	?	<b>Hail (0.75)</b>
<b>Grenada County Grenada Lake</b>	20	1540CST			0	0	?	?	<b>Hail (0.75)</b>
<b>Warren County</b>	20	1545CST			0	0	?	0	<b>Thunderstorm Wind (G56)</b>
There were scattered reports of tree damage and power lines blown down throughout the county.									
<b>Calhoun County Bruce</b>	20	1555CST			0	0	4	0	<b>Thunderstorm Wind</b>
A roof was blown off a business and several trees were blown down.									
<b>Hinds County Jackson</b>	20	1608CST			0	0	?	0	<b>Thunderstorm Wind (G55)</b>



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## MISSISSIPPI Cont'd

<b>Rankin County</b> 3 N Brandon	20	1630CST			0	0	4	0	Thunderstorm Wind Several trees were blown over or uprooted. One tree fell on a mobile home.
<b>Pike County</b> Mccomb	20	1705CST			0	0	?	0	Thunderstorm Wind Several trees were blown down.
<b>Jones County</b> 2 W Laurel	20	1740CST			0	0	?	?	Hail (0.85)
<b>Desoto County</b> 1 S Hernando	21	0415CST			0	0	4	0	Thunderstorm Wind Several trees were blown down. One tree fell on a house and another tree fell on a car.
<b>Marshall County</b> Holly Springs	21	0515CST			0	0	4	0	Thunderstorm Wind Numerous trees were blown down. Considerable damage was done to a nursery.
<b>Alcorn County</b> Corinth	21	0557CST			0	0	4	0	Thunderstorm Wind Several trees were blown down. One tree fell on a house.
<b>Holmes County</b> 3 W Lexington	21	0745CST			0	0	?	0	Thunderstorm Wind Numerous trees were blown down.
<b>Leake County</b> Carthage	21	0945CST			0	0	?	0	Thunderstorm Wind Several trees were blown down.
<b>Winston County</b> 2 S Louisville	21	0945CST			0	0	?	?	Hail (1.00)
<b>Neshoba County</b> 2 SE Philadelphia	21	1034CST			0	0	?	?	Hail (0.85)
<b>Hinds County</b> 3 SW Jackson	21	1045CST			0	0	?	0	Thunderstorm Wind Several trees were blown down onto Highway 18.
<b>Claiborne County</b> 2 N Port Gibson	21	1130CST			0	0	?	0	Thunderstorm Wind Several trees were blown down and several power outages.
<b>Jasper County</b> Bay Springs	21	1207CST			0	0	?	0	Thunderstorm Wind A tree was blown down on a power line.
<b>Lincoln County</b> 5 E Brookhaven	21	1220CST			0	0	?	?	Hail (0.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## MISSISSIPPI Cont'd

Wayne County 12 SW Buckatunna	21	1435CST			0	0	?	?	Hail (0.80)
Harrison County Biloxi	21	1530CST			0	0	4	0	Thunderstorm Wind
Several trees and power lines were blown down. One tree fell on a business.									
George County Lucedale	21	1930CST			0	0	4	0	Thunderstorm Wind
Several trees were blown down. A fence was blown down and a storage building destroyed.									
Wilkinson County Woodville	27	1525CST			0	0	4	0	Thunderstorm Wind
Numerous trees and power lines were blown down. Several buildings were damaged.									
Pearl River County	27	1850CST			0	0	?	0	Thunderstorm Wind
There were several reports of trees blown down throughout the county.									
Forrest County 2 E Hattiesburg	27	1915CST			0	0	?	0	Thunderstorm Wind
Numerous trees were blown down.									
Washington County Greenville	31	0105CST			0	0	?	0	Thunderstorm Wind
Numerous trees were blown down with scattered power outages.									
Warren County	31	0900CST- 1500CST			0	0	6	5	Flash Flooding
Nearly seven inches of rain fell over Warren County in a 12-hour period. One hundred and eighty-seven homes and buildings flooded in and around the Warren County area. Water got as high as three or four feet in some of the houses. Six county roads and two highways were closed due to flooding. Nearly 10,000 acres of row crops were damaged. The total damage from the flooding was estimated at \$6 million. Some of the residents said this was the worst flooding they had in twenty years.									

## MISSOURI

Benton County Edwards	03	Unknown			1	1	3	0	Flooding
Two persons in a pickup truck drove around barricades on Little Deer Creek near Edwards. The vehicle was swept into the creek. One person survived, but a 39-year-old woman drowned.									
Cape Girardeau County Fruitland	09	1840CST			0	0	4	0	Thunderstorm Wind
A roof was blown off a building.									
Scott County	09	1840CST			0	0	2	0	Thunderstorm Wind
The sheriff reported trees and electric poles down on a county road.									

## STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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### MISSOURI Cont'd

Cape Girardeau  
County  
Cape Girardeau

09 1840CST 0 0 0 0 Thunderstorm Wind

Winds to 57 knots were reported at CGI Airport.

Ripley County  
near Oxly

09 1755CST 0.25 50 0 0 0 0 Tornado (F0)

A tornado touched down briefly at "Call of the Wild", or near Oxley about 25 miles southwest of Poplar Bluff.

Webster County  
Elkland

12 1509CST 0 0 0 0 Hail (0.75)

Hail to 0.75-inch diameter.

LaClede County  
Stoutland

12 1530CST 0 0 0 0 Hail (0.75)

Hail to 0.75-inch diameter.

Douglas County  
Wright  
(3 NNE Mt. Zion to 3  
S of Norwood to  
southeast corner  
of Wright County  
about 5 ESE of  
Norwood)

12 1520CST 18 100 0 0 6 4 Tornado (F2)

A tornado touched down first about four miles southwest of Mansfield near Missouri Highway 5 and continued along a 15- to 20-mile path eastward along the Wright-Douglas county line. Final damage was in the extreme southeastern corner of Wright County. Three mobile homes were destroyed and five houses were severely damaged. Several farm buildings were damaged. One house received minor damage. Initial width of the damage was 150 feet but this increased to 500 to 600 feet at midpoint.

St. Charles County  
Ofallon

12 1540CST 0 0 0 0 Hail (1.00)

Hail to 1.00-inch diameter.

St. Charles County  
St. Paul

12 1600CST 0 0 5 4 Hail (1.75)  
Thunderstorm Wind

Hail to the size of baseballs knocked out windows and produced damage to roofs and trees. Wind uprooted trees.

City of St. Louis

12 1650CST 0 0 0 0 Hail (0.75)

Hail to 0.75-inch diameter was reported in the southern part of St. Louis.

Jackson County

14  
15 Unknown 0 0 4 3 Flooding

Morgan County  
Stover

15 0815CST 0 0 0 0 Hail (1.00)

Morgan County  
Versailles

15 0900CST 0 0 3 0 Urban Flooding

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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## MISSOURI Cont'd

<b>Morgan and Moniteau Counties</b>	15	1045CST			0	0	?	0	Flash Flooding Urban Flooding
									Roadways and spillways flooded.
<b>Saline County Marshall</b>	15	1130CST			0	0	4	0	Thunderstorm Wind
									Winds to 67 mph were reported by radio station KMMO.
<b>Boone County 10 E Columbia</b>	15	1239CST			0	0	3	0	Thunderstorm Wind
									Winds knocked telephone poles down and uprooted trees to 24 inches in diameter. At least one tree trunk was twisted off at the base.
<b>Callaway County 11 E Columbia</b>	15	1239CST	0.25	50	0	0	0	0	Tornado (F0)
									A tornado was sighted on the ground at Route WW and Little Rock Road.
<b>Saline, Pettis, Cooper, Howard Counties</b>	15	1245CST			0	0	5	4	Flash Flooding
									Numerous roads were under water and impassable.
<b>Boone, Moniteau, Callaway, Audrain Counties</b>	15	1400CST			0	0	5	4	Flash Flooding
									Numerous roads were flooded with torrential rain falling in all these counties.
<b>Gasconade County 1 W Hermann</b>	15	1515			0	0	0	0	Hail (0.75)
									Hail to 0.75-inch diameter.
<b>Lincoln County Troy</b>	15	1445CST			0	0	4	0	Thunderstorm Wind
									Trees and power lines were downed.
<b>Gasconade County Hermann</b>	15	1515CST			0	0	0	0	Hail (1.75)
									Hail to 0.75-inch diameter.
<b>Lincoln County</b>	15	1520CST			0	0	4	0	Thunderstorm Wind
									Trees to four-feet in diameter were downed in the southeastern portion of the county.
<b>St. Charles County Wentzville</b>	15	1535CST			0	0	0	0	Hail (0.75)
									Hail to 0.75-inch diameter.
<b>Franklin County Washington</b>	15	1535CST			0	0	0	0	Hail (1.00)
									Hail to one-inch diameter.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## MISSOURI Cont'd

<b>Warren County</b> 2 S Warrenton	15	1550CST			0	0	4	0	Hail (1.50)
									Hail to 1.50-inch diameter.
<b>St. Charles County</b> Augusta	15	1558CST			0	0	0	0	Hail (1.50)
<b>St. Louis County</b> at Interstate-270 and Interstate-170	15	1600CST			0	0	0	0	Hail (1.50)
									Hail to 1.50-inch diameter.
<b>Franklin County</b> Villa Ridge	15	1600CST			0	0	0	0	Hail (1.75)
									Hail to 1.75-inch diameter.
<b>St. Louis County</b> St. Ann	15	1605CST			0	0	0	0	Hail (1.00)
									Hail to 1.00-inch diameter.
<b>St. Louis County</b> Breckenridge Hills	15	1608CST			0	0	3	0	Hail (1.75)
									Hail to 1.75-inch diameter.
<b>St. Louis County</b> Lambert Field area	15	1608CST			0	0	0	0	Thunderstorm Wind Hail (1.75)
									Winds to 60 mph were reported at Lambert Field. Hail to 1.75-inch diameter in the area.
<b>St. Louis County</b>	15	1610CST			0	0	0	0	Hail (1.75)
									Hail from 0.75- to 1.75-inch diameter was reported across northern St. Louis County.
<b>Franklin County</b> 4 N Pacific	15	1612CST			0	0	3	0	Hail (0.75) Thunderstorm Wind
									Wind knocked down trees. Hail to 0.75-inch diameter was reported with trees blocking road.
<b>St. Louis City</b>	15	1615CST			0	0	0	0	Hail (1.50)
									Hail to 1.50-inch diameter in northwestern portion around Lucas and Hunt at Natural Bridge.
<b>Jefferson County</b> House Springs	15	1627CST			0	0	0	0	Hail (1.50)
									Hail to 0.75-inch diameter.
<b>St. Louis County</b> West including Creve Coer	15	1627CST			0	0	5	0	Hail (1.50) Thunderstorm Wind
									Hail to 1.50-inch diameter and winds produced damage to west portions of St. Louis County. Trees to 24-inch diameter were downed.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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## MISSOURI Cont'd

<b>St. Louis County</b>	15	1630CST			0	0	0	0	Hail (1.75)
									Hail to 1.75-inch diameter just south of the intersection of Interstate-270 and Lindbergh.
<b>City and County St. Louis</b>	15	1630CST			0	0	4	0	Hail (1.75)
									Numerous reports of hail from 0.75-inch to 1.75-inch diameter across the southern part of the city of St. Louis and St. Louis County.
<b>Jefferson County Arnold</b>	15	1648CST			0	0	5	0	Hail (2.75) Funnel Cloud
									Hail to 2.75-inch diameter and funnel cloud reported by spotters in southern part of the County.
<b>St. Louis County</b>	15	1655CST			0	0	0	0	Hail (1.75) Funnel Cloud
									Hail to 1.75-inch diameter and funnel cloud reported by spotters in south part of the County.
<b>Marion County Hannibal</b>	15	2100CST			0	0	3	0	Hail (1.75)
									Hail to the size of golf balls.
<b>Ralls County New London</b>	15	2222CST			0	0	5	0	Thunderstorm Wind
									Trees downed and water over roads.
<b>Pike County Louisiana</b>	15	2325CST			0	0	3	0	Thunderstorm Wind
									Winds 60 to 70 mph downed large tree limbs.
<b>Lincoln County Troy</b>	15	2345CST			0	0	0	0	Hail (1.00)
									Hail to 1.00-inch diameter.
<b>St. Charles County St. Charles</b>	16	0025CST			0	0	0	0	Hail (0.75)
									Hail to 0.75-inch diameter.
<b>Christian County Nixa-Ozark</b>	16	0200CST			0	0	0	0	Hail (0.75)
									Hail ranging in size from 0.50- to 0.75-inch diameter.
<b>Benton County 5 S Warsaw</b>	16	1118CST			0	0	0	0	Hail (0.75)
									Hail to 0.75-inch diameter.
<b>Pettis County 5 S Sedalia</b>	16	1212CST			0	0	0	0	Hail (1.75)
									Hail to 1.75-inch diameter.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## MISSOURI Cont'd

<b>Benton County</b> 5 S Warsaw	16	1420CST	0.25	50	0	0	4	0	Tornado (F0)
A small tornado touched down briefly and destroyed two sheds, a walk-in refrigerator, and a satellite dish. Trees were also damaged.									
<b>Vernon County</b> Nevada City	16	1320CST			0	0	3	0	Thunderstorm Wind Hail (0.75)
Wind uprooted trees and hail to 0.75-inch diameter reported.									
<b>Barton County</b> Lamar	16	1345CST			0	0	0	0	Hail (0.75)
Hail to 0.75-inch diameter.									
<b>Barton County</b>	16	1350CST			0	0	0	0	Hail (0.75)
Hail to 0.75-inch diameter just east of Lamar.									
<b>Cedar County</b> Stocton	16	1410CST			0	0	4	0	Thunderstorm Wind
Wind damage and roof blown off hanger.									
<b>Camden County</b> WSW of Osage Beach	16	1450CST	1	75	0	0	5	0	Tornado (F1)
A tornado uprooted trees and destroyed utility poles at Route KK and US-54.									
<b>Newton County</b> Seneca	16	1500CST			0	0	0	0	Hail (0.75)
Hail to 0.75-inch diameter.									
<b>Newton County</b> Neosho	16	1503CST			0	0	0	0	Hail (0.75)
Hail to 0.75-inch diameter.									
<b>Jasper County</b> Sarcoxie	16	1504CST			0	0	0	0	Hail (0.75) Thunderstorm Wind
Hail to 0.75-inch diameter and winds 50 to 60 mph.									
<b>Lawrence County</b> Mt. Vernon	16	1516CST			0	0	0	0	Hail (0.75)
Hail to 0.75-inch diameter.									
<b>Montgomery County</b>	16	1525CST			0	0	4	0	Flash Flooding
Extensive flooding in southern portion of the county. An evacuation alert was issued for Rhineland.									
<b>Barry County</b> Monett	16	1528CST			0	0	0	0	Hail (0.75) Thunderstorm Wind
Winds to 59 mph and hail to 0.75-inch diameter.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## MISSOURI Cont'd

<b>Green County Springfield</b>	16	1545CST			0	0	0	0	Hail (1.00) Hail ranging in size from 0.75-inch diameter to 1.00-inch diameter in downtown Springfield.
<b>Barry County Exeter</b>	16	1553CST			0	0	0	0	Hail (0.75) Hail to 0.75-inch diameter.
<b>Greene County Springfield</b>	16	1600CST			0	0	3	0	Thunderstorm Wind Large tree limbs downed.
<b>Franklin County Villa Ridge</b>	16	1610CST			0	0	3	0	Hail (1.75) Hail to the size of golf balls.
<b>Crawford County 15 E Steelville</b>	16	1627CST			0	0	5	0	Thunderstorm Wind Trees and fences downed by straight winds.
<b>Crawford County Cuba</b>	16	1632CST			0	0	0	0	Hail (1.75) Hail to golf ball-size.
<b>Franklin County Sullivan</b>	16	1632CST			0	0	0	0	Hail (0.75) Hail to 0.75-inch diameter.
<b>St. Louis County Fenton</b>	16	1635CST			0	0	0	0	Hail (1.00) Hail ranging from 0.75- to 1.00-inch diameter.
<b>Howell County 10 S. Willow Springs</b>	16	1730CST			0	0	3	0	Hail (1.00) Hail broke out windows.
<b>Wayne County Greenville</b>	17	1845CST			0	0	4	0	Thunderstorm Wind Winds downed trees and power lines southwest of Greenville.
<b>Butler County Qulin</b>	17	1920CST	3	50	0	0	5	3	Tornado (F2) A tornado destroyed three houses, two barns, two metal grain buildings, and one mobile home. Farm equipment also was badly damaged.
<b>Stoddard County Bernie</b>	17	1930CST			0	0	3	0	Thunderstorm Wind Wind downed power lines near Bernie.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			K I L L E D	I N J U R E D	P R O P E R T Y	C R O S S	

## MISSOURI Cont'd

New Madrid County Kewanee	17	2135CST			0	0	4	0	Thunderstorm Wind
									Wind damaged trees and buildings.
Cole County	17	morning			1	0	?	?	Thunderstorm Wind
									A 23-year-old woman drowned when her car was swept off the road near Tanner Bridge on the Moreau River. The <u>Capital News</u> account stated that a nearby resident had put out a lantern and sign to warn of the flooded bridge about 11:15 p.m. of the previous night. It is possible that the woman drove past the warning sign.
Cooper County	17	Evening			1	0	0	0	Flooding
									A 40-year-old man was killed when his truck skidded on wet highway and slid into three feet of water alongside the highway. This happened on Highway 41, about five miles south of Route K.
Lawrence County Halltown	20	1957CST			0	0	3	0	Hail (1.75)
									Hail to 1.75-inch diameter.
Greene County	20	2020CST			0	0	0	0	Hail (1.75)
									Hail to 1.75-inch diameter in western portion of the county.
Lawrence County Mt. Vernon	20	2030CST			0	0	0	0	Hail (1.75)
									Hail to 1.75-inch diameter.
Greene County Springfield	20	2031CST			0	0	0	0	Hail (0.75)
									Hail to 0.75-inch diameter.
Greene County Republic	20	2045CST			0	0	?	?	Thunderstorm Wind
									Wind gusts to 90 mph were reported by a resident with a Heath Wind Gage.
Greene County Republic	20	2048CST			0	0	3	0	Thunderstorm Wind
									A house was damaged by wind in west Republic.
Newton County Neosho	20	2120CST			0	0	0	0	Hail (1.75)
									Hail to 1.75-inch diameter.
Greene County Rogersville	20	2120CST	12	100	0	9	0	0	Tornado (F2)
									A tornado touched down first in southeastern Greene County near Highway 125 and US 60, and moved east-northeast along a 12-mile path to Rogersville and lifted near Fordland. Most of the damage was along a five-mile path in Rogersville near US 60. More than \$2 million worth of damage was reported along the path. Two serious injuries and seven minor injuries were reported. The serious injuries were to a child of six and his brother of six months. They were in a mobile home at the time. There were 18 mobile homes destroyed and one house was destroyed. Two houses received heavy damage and 16 homes received minor damage. More than 20 businesses were damaged.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## MISSOURI Cont'd

Greene County  
Logan                      20 2125CST                      0   0   0   0      Funnel Cloud

A funnel cloud was reported near Logan.

Greene County  
Springfield                20 2125CST                      0   0   3   0      Thunderstorm Wind

A roof was damaged by wind in southeastern Springfield.

Webster County  
Marshfield                20 2140CST                      0   0   0   0      Hail (0.75)

Hail to 0.75-inch diameter.

Greene County  
Fordland and Rogersville    20 2150CST    0.25    50    0   3   5   0      Tornado (F0)

A tornado touched down briefly between Fordland and Rogersville. The tornado damaged several mobile homes at Oakhill Trailer Court. Three injuries were reported. Trees also were downed.

Christian County  
3 N. Highlandville        20 2206CST    0.25    50    0   0   0   0      Tornado (F0)

The Missouri Highway Patrol reported a tornado three miles north of Highlandville.

Texas County  
Houston                    20 2338CST                      0   0   4   0      Hail (2.75)

Hail ranged in size from 1.75-inch diameter to baseball-size in Houston.

Butler County  
10 S Poplar Bluff         21 0010CST                      0   0   0   0      Hail (0.75)

The Missouri Highway Patrol reported hail to 0.75-inch diameter.

Johnson County         25 1740CST                      0   0   0   0      Hail (1.75)

Hail to 1.75-inch diameter reported four miles west of Warrensburg.

Johnson County  
Warrensburg                25 1743CST                      0   0   0   0      Hail (1.75)

Hail to 1.75-inch diameter.

Lafayette County        25 1815CST                      0   0   0   0      Hail (1.75)

Hail to 1.75-inch diameter reported 30 miles northwest of Sedalia.

Camden County  
15 SE Camdenton         25 1841CST                      0   0   0   0      Hail (1.75)

Hail to 1.75-inch diameter.

Camden County  
Decaturville                25 1841CST                      0   0   0   0      Hail (1.75)

Hail to 1.75-inch diameter.

Johnson County  
Whiteman A.F.B.         25 1855CST                      0   0   0   0      Hail (1.50)

Hail to 1.50-inch diameter.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## MISSOURI Cont'd

Johnson County	25	1915CST			0	0	0	0	Flooding
Benton County Cole Camp	25	1934CST			0	0	3	0	Hail (2.00)
Hail to 2.00-inch diameter.									
Benton County Lakeview Heights	25	2000CST	1/4	50	0	0	0	0	Tornado (F0)
A tornado touched down briefly at Lakeview Heights, in the eastern portion of the county.									
Howard County Glasgow	25	2000CST			0	0	0	0	Hail (1.75)
Hail to 1.75-inch diameter.									
Gasconade County Rosebud	25	2012CST			0	0	0	0	Hail (1.75)
Hail to 1.75-inch diameter.									
Gasconade County Rosebud	25	2122CST			0	0	4	0	Thunderstorm Wind
Wind blew off roof from barn and downed power lines. Winds to 72 mph were reported by co-op observer.									
Cole County Jefferson City	25	2131CST			0	0	5	0	Flash Flooding
Numerous roads were under water. People were trapped in cars.									
Franklin County	25 26	2045CST- 0300CST			0	0	?	?	Flash Flooding
Extremely heavy rain fell in western Franklin County, especially from around Gerald to Beaufort along Highway 50. Two feet of water was over Highway 50.									
Washington County	26	0000CST			0	0	6	6	Flash Flooding
Flash flooding swept through part of Washington State Park around 0100 CDT along the Mineral Fork between Highway 47 and the Big River. Nearly 100 persons had to be rescued from as much as 20 feet of water. A number of vehicles were swept away. Some of the vehicles were carried as far as four miles. Flash flooding was also reported on Indian Creek, Caleco Creek, Old Mines Creek, and the Big River.									
St. Charles County	26	0030CST			1	0	5	0	Flash Flooding
A 17-year-old man drowned after being swept off a low water bridge over Dardenne Creek at Highway N.									
The 17-year-old youth was one of four who were in a car which stalled when they tried to cross the bridge. The other three members reached safety.									

## MONTANA

Carbon County 18 ENE of Decker	23	1950MDT			0	0	0	0	Hail (1.50)
Carbon County NW of Warren	24	1500MDT	?	?	0	0	0	0	Tornado (F1)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## MONTANA Cont'd

Yellowstone County near Shepherd 24 1600MDT ? ? 0 0 0 0 Tornado (F1)

Golden Valley County South of Ryegate 24 1630MDT 0 0 0 0 3 Funnel Clouds

Several funnels were sighted 1.5 miles south of Reygate.

Carbon County 24 1700MDT 0 0 0 0 Flash Flood

Motorist reported water across Highway 310 between Fromberg and Edgar.

Powder River County near Powderville 24 1833MDT ? ? 0 0 0 0 Tornado (F1)

Hill County 24 2300MDT 0 0 2 3 Flash Flood

Four to five inches of rain fell north of Gilford. County road 499 was impassable due to high water.

Judith Basin County Windham 27 1800MDT 0 0 0 0 Flash Flood

Water across Highway 200 briefly closed the road.

Cascade County Great Falls 28 1600MDT 0 0 3 0 Urban Flooding

One and one-half inches of rain fell in 30 minutes which caused street flooding on the west side of town.

Silver Bow County Butte 29 1907MDT 0 0 3 0 Urban Flooding

One inch of rain fell in less than an hour with some basement flooding and cars stalled along Harrison Avenue.

Yellowstone County Laurel 31 1705MDT 0 0 0 0 Hail (1.25)

Yellowstone County West Billings 31 1830MDT 0 0 0 0 Hail (1.25)

## NEBRASKA

Cheyenne County Sidney 08 1922CST 0 0 0 0 Thunderstorm Wind (G50)

Harlan County Alma 08 2320CST 0 0 2 0 Hail (1.75)  
Thunderstorm Wind

Hail 1.75 inch in diameter covered the ground to a depth of three inches along US Highway 183 north of Alma. High wind, rain, and hail caused minor damage to a heating and cooling unit on the roof of the Alma Public School.

Otoe County Nebraska City 09 0100CST 0 0 3 1 Thunderstorm Wind

High winds knocked down trees, damaged signs, and broke store windows.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROBABLY DESTROYED	CROPS	

## NEBRASKA Cont'd

### Morrill County

12 SW Bridgeport	13	1318CST	0.1	10	0	0	1	1	Tornado (F0)
12 SW Bridgeport	13	1323CST	0.1	10	0	0	1	1	Tornado (F0)
5 E Bridgeport	13	1323CST	0.1	10	0	0	1	1	Tornado (F0)

### Garden County

10 N Oshkosh	13	1420CST	0.1	10	0	0	1	1	Tornado (F0)
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### Cheyenne County

2 N Gurley	13	1500CST	0.1	10	0	0	3	2	Tornado (F0)
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A tornado briefly touched down on a farm near Gurley and caused some damage to an irrigation system and small granary.

### Garden County

10 SW Lewellen	13	1555CST	0.1	10	0	0	1	1	Tornado (F0)
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### Sioux County

18 N Harrison	13	1650CST	0.1	10	0	0	1	1	Tornado (F0)
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### Antelope County

15 N Neligh	15	1905CST			0	0	0	0	Funnel Cloud
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### Sioux County

8 NW Harrison	18	1545CST	0.1	10	0	0	1	1	Tornado (F0)
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### Lincoln County

5 SW North Platte	18	1630CST	short	15-25	0	0	0	0	Tornado (F0)
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A tornado reported by Nebraska Highway Patrol briefly touched down but caused no damage.

### Morrill County

1 N Bridgeport	18	1646CST	0.1	10	0	0	1	1	Tornado (F0)
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### 1 NW Broadwater

18	1708CST				0	0	0	0	Funnel Clouds
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Two funnel clouds were sighted.

### Lincoln County

8 SW to 4 SE Hershey	18	1728CST- 1758CST	5	50	0	1	5	2	Tornado (F1)
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### Hershey

18	1748CST				0	0	2	2	Hail (1.00)
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A tornado that was up and down, destroyed farm houses, outbuildings, four cars, one tractor, trees, power lines, and travel trailer as it moved northeasterly at 30 mph. One injury occurred as a man was closing his basement door when the tornado hit. The door knocked him down the steps into the basement and he dislocated his knee. One-inch hail was reported in the town of Hershey.

### Sheridan County

15 S Rushville	18	1742CST	0.1	10	0	0	2	1	Tornado (F0)
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A tornado briefly touched down and caused some damage to outbuildings.

### Lincoln County

10 SW to 15 NW North Platte	18	1747CST- 1838CST	20	50-75	0	0	5	2	Tornado (F2)
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### 1 SW to 6 W North Platte

18	1810CST				0	0	2	2	Hail (2.75)
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A tornado touched down ten miles southwest of North Platte and moved northeasterly at 25 mph. It was up and down numerous times. It lifted and dissipated 15 miles northwest of North Platte. Four houses were totally destroyed with numerous outbuildings, cars, power lines, and trees destroyed or damaged. Golf ball- to baseball-size hail fell west of North Platte.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## NEBRASKA Cont'd

**Sheridan County**  
11 N Rushville 18 1800CST 0.1 10 0 0 1 1 Tornado (F0)

**Knox County**  
Crofton 18 1820CST 0 0 0 0 Thunderstorm Wind (G63)

**Cedar County**  
8 S Yankton 18 1830CST 0 0 2 0 Thunderstorm Wind

Tree limbs were downed.

**Red Willow County**  
5 SW Bartley 18 1845CST-1908CST 1 25 0 0 5 2 Tornado (F1)

A tornado moved northeasterly at 35 mph and ripped through an oil field doing \$100,000 to \$150,000 damage to oil storage tanks, sheds, a laboratory building, and oil rigs. One farm house lost its roof, 20 hogs were killed, and ten grain storage bins were destroyed. Forty to 50 power poles were lost with an estimated cost of \$50,000.

7 SE McCook 18 1908CST 1-2 25-50 0 0 3 2 Tornado (F1)  
0 0 2 2 Hail (2.50)

A tornado moved northeasterly at 35 mph and destroyed a farm house, outbuildings, and trees. Tennis ball-size hail also fell.

**Furnas County**  
6 SW Arapahoe 18 1910CST 1 100 0 0 0 0 Tornado (F1)

A tornado touched down in northern Furnas County between Cambridge and Arapahoe and traveled just less than a mile with no apparent damage.

**Keith County**  
Sarbin 18 1915CST-1930CST 0.5-1 25-50 0 0 5 2 Tornado (F1)

A tornado moved northeasterly at 35 mph and destroyed mobile homes and a house, downed power lines and trees, and blew over some railroad cars.

**Red Willow County**  
Danbury 18 2000CST Short 25 0 0 3 2 Tornado (F0)

A tornado moving northeasterly at 40 mph damaged a house in Danbury.

**Lincoln County**  
5 S to 2 N Sutherland 18 2030CST 0 0 6 2 Thunderstorm Wind  
0 0 0 0 Funnel Cloud

Thunderstorm winds estimated at 60 to 80 mph knocked down four double circuit 345,000-volt steel towers with damage estimated at \$1.9 million. Winds downed trees 2.5 feet in diameter. Several roofs were damaged. A funnel cloud was sighted two miles north of Sutherland.

**Thomas County**  
Thedford 18 2045CST 0 0 3 2 Hail (1.75)

A severe thunderstorm moved northeasterly at 40 mph and dropped golf ball-size hail and heavy rain. Hail covered the ground in some areas. Automobiles and windows were damaged.

**York County**  
York 19 0034CST 0 0 4 0 Lightning

Lightning struck a tree touching a house and started an attic fire. Debris from the roof and water from the hoses damaged one bedroom and smoke from the fire spread throughout the house.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			K I L L I N G	I N J U R I E S	P R O P E R T Y	S T R U C T U R E	

## NEBRASKA Cont'd

<b>Waco</b>	19	0130CST			0	0	4	0	<b>Lightning</b>
Lightning struck a television antenna attached to a pole next to a house. The lightning blew a small hole in the side of the house and entered the house through the antenna and hole. The lightning blew out several outlets, damaged several walls and electrical appliances, and burned some insulation throughout the house.									
<b>Harlan County Republican City</b>	20	1700CST			0	0	3	0	<b>Lightning</b>
Two lightning bolts struck a house, put a hole through the kitchen wall, knocked kitchen cabinets off the wall, and severely damaged the house's electrical system.									
<b>Kimball County 20 W Kimball to 10 W Kimball</b>	23	1555CST- 1617CST			0	0	0	0	<b>Funnel Clouds</b>
Three funnel clouds were spotted.									
<b>Dawes County Chadron</b>	23	1742CST			0	0	2	0	<b>Thunderstorm Wind (G55)</b>
Wind gusts of 63 mph at Chadron Airport caused slight damage to a hangar door.									
<b>Knox County Santee</b>	24	0338CST			0	0	2	1	<b>Flash Flood</b>
<b>Cedar County St. Helena</b>	24	0700CST			0	0	3	1	<b>Flash Flood</b>
Thunderstorms dumped up to three inches of rain over northern Knox and Cedar counties and caused street and small stream flooding around Santee and flooding of a county road near St. Helena.									
<b>Box Butte County 7 E Alliance</b>	24	1827CST			0	0	1	1	<b>Hail (0.75)</b>
<b>Kimball County 7 NE Kimball</b>	24	1909CST			0	0	1	1	<b>Hail (1.25)</b>
<b>Cherry County 10 W Valentine</b>	24	2200CST			0	0	4	1	<b>Flash Flood</b>
Heavy rain over northern Cherry County (5.00 to 8.50 inches) caused flash floods which washed out some rural roads and ranch bridges.									
<b>Nemaha County Auburn</b>	24	2325CST			0	0	1	1	<b>Hail (0.75)</b>
<b>Douglas County Omaha 9 W OMA</b>	25	0030CST			0	0	2	0	<b>Hail (1.75)</b>
One and three-quarter inch hail was reported near 102nd and Maple in Omaha.									
<b>Box Butte County 6 SE Hemingford</b>	27	1330CST	2	200	0	0	0	0	<b>Tornado (F0)</b>
<b>3 SW Hemingford</b>	27	1335CST	0.5	15	0	0	0	0	<b>Tornado (F0)</b>
<b>6 SW Hemingford</b>	27	1345CST	0.5	15	0	0	0	0	<b>Tornado (F0)</b>
<b>7 S Hemingford</b>	27	1400CST	0.5	15	0	0	0	0	<b>Tornado (F0)</b>

Four small tornadoes touched down around Hemingford but caused no damage.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## NEVADA

Elko County	28	1112PST			0	0	0	0	Funnel Clouds
	28	1800PST			0	0	0	0	Funnel Clouds

At 1112 PST two funnel clouds were spotted east of Elko. Two more funnel clouds were spotted at 1800 PST. All of the funnel clouds were observed in the area between Spring Creek and the Ruby Mountains.

NVZ003 Extreme Western Nevada	30	1300PST- 2130PST			0	0	4	0	High Winds
	31	0300PST- 0400PST			0	0	0	0	High Winds

High winds developed across extreme western Nevada as a strong Pacific cold front approached the Sierra Nevada. Wind gusts estimated to more than 80 mph were reported in the foothills of the Sierra south of Reno. A house in that area received extensive damage. In the Dayton Valley area, east of Carson City, sustained winds between 40 and 50 mph were reported.

## NEW HAMPSHIRE

None reported.

## NEW JERSEY, Southern

Atlantic County Hammonton	10	1700EST			0	0	2	0	Thunderstorm Wind
Somers Point	10	1706EST			0	0	?	0	Thunderstorm Wind (G53)
Hammonton	10	1830EST			0	0	?	0	Thunderstorm Wind (G53)

Thunderstorm wind gusts were measured at 61 mph in Somers Point and brought down tree limbs in Hammonton. At 1830EST wind gusts were measured at 61 mph in Hammonton and small hail fell.

Cumberland County Carmel	10	1800EST	0.25	100	0	0	5	?	Tornado (F0)
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A tornado uprooted or broke off hundreds of trees. One large tree was uprooted and thrown. The camper top was taken off a truck and thrown over 100 yards. Utility poles were downed. The front porch was blown off one house. Wind gusts were measured at 76 mph in Deerfield Township where Carmel is located.

Cumberland County Vineland	10	1810EST	0.5	200	0	?	5	?	Tornado (F2)
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The tornado blew out a concrete wall on a school and blew in special safety glass. The building was cracked at an automobile dealership and plate glass windows were blown out. People in the dealership received minor injuries from flying glass, but no exact number was available. Also, 30 automobiles had windows blown out. Light standards in the parking lot were blown down. Plate glass windows at a furniture store were blown out. At the New Jersey Veterans Memorial Home 13 large oak trees in a row were blown down. The falling trees also crushed a greenhouse and some picnic tables. A large pavilion sustained roof damage.

Ocean County South Toms River	10	1910EST			0	0	?	?	Hail (1.75)
Toms River	10	1910EST			0	0	3	0	Thunderstorm Wind

Thunderstorm wind gusts downed trees in Toms River and golf ball-size hail fell in South Toms River.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## NEW JERSEY, Northern

Monmouth County  
Ocean Grove  
Bradley Beach  
Monmouth County  
Colts Neck

10	1920EST	0	0	?	0	Thunderstorm Wind
10	2030EST	0	0	?	0	Thunderstorm Wind

A cold front moving across northern New Jersey triggered thunderstorms that produced heavy downpours and damaging winds. Monmouth County was hardest hit. Bradley Beach, about five miles south of Asbury Park, reported that the roofs of several homes were partially blown off. Ocean Grove had a few trees uprooted and partial roof damage to six homes. Colts Neck had several power lines blown down.

Bergen, Passaic,  
Essex, Morris, Union,  
Hudson, Somerset,  
Middlesex and  
Monmouth Counties

16	2215EST	0	0	?	?	Flood
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A warm front moving slowly northward across northern New Jersey generated numerous thunderstorms with heavy downpours. Rainfall amounts ranged from one to three inches with some local amounts reaching four inches. This caused widespread urban, river, and small stream flooding across nearly all sections of northern New Jersey. Bergen Passaic, Essex, and Morris counties were hardest hit. Hudson, Union, Somerset, Middlesex, Monmouth, Sussex, Hunderdon, and Warren counties also reported flooding. The Passaic and Raritan river basins reported significant flooding that continued for nearly seven days.

Sussex County  
Fredon Twp  
Newton

17	1610EST- 1640EST	0	0	?	0	Thunderstorm Wind
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An isolated thunderstorm produced damaging winds over sections of Sussex County downing several trees and power lines.

## NEW MEXICO

NMZ004-005-008-  
012

02	PM-	0	0	0	0	Winter Storm
03	AM	0	0	0	0	

This winter snow storm affected mainly the extreme northeastern part of the state. An upper level low came out of southwestern Arizona and tracked northeast across New Mexico, combining with cold low level upslope flow in northeastern New Mexico. This typical combination produced localized, heavy snowfalls along the eastern slopes of the central mountains, especially along the Sangre de Cristos. This storm produced 18 to 22 inches in the Des Moines-Capulin-Folsom triangle area. Four to six inches fell along the eastern slopes of the central mountains.

Union and Colfax  
Counties

02	PM	0	0	6	?	Winter Storm
03	AM	0	0	6	?	

The above-mentioned storm killed 1500 to 1800 newborn calves. They died of hypothermia and exhaustion and were valued at about \$1 million.

Eddy County  
Brantley Lake

02	0915MST	0	0	0	0	Funnel Cloud
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A funnel was reported by Carlsbad, New Mexico, radio station.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## NEW MEXICO Cont'd

Chaves County	02	1437MST			0	0	0	0	Funnel Clouds
Several funnel clouds were reported ten miles north of Roswell, NM, two miles east of Highway 285 by Radio Station KBIM.									
Eddy County Carlsbad Caverns	28	2325MST			0	0	0	0	Hail (1.50)
Hail 1.00 to 1.50 inches in diameter was reported at Carlsbad Caverns.									
De Baca County 10 E Ft. Sumner	29	0820MST	short		0	0	0	0	Tornado (F0)
A tornado reported by two trained spotters south of Taiban to City Clerk, Ft. Sumner, NM. The tornado lifted back into the cloud before reaching Taiban. The tornado was also reported to Roswell WSO by another trained spotter.									
Roosevelt County Milnesand	29	1002MST			0	0	0	0	Hail (0.75)
Dime-size hail was reported by the Roosevelt County Sheriff's Office.									
Roosevelt County Causey	29	1037MST			0	0	0	0	Hail (0.75)
Dime-size hail in Causey was reported by city fire chief.									

## NEW YORK, Eastern

Tioga County Owego	17	1425EST			0	0	0	0	Thunderstorm Wind (G70)
Broome County									
Endwell	17	1430EST			0	0	4	0	Thunderstorm Wind
Union	17	1430EST			0	0	3	3	Thunderstorm Wind
Chenango	17	1430EST			0	0	5	3	Thunderstorm Wind
Cortland County									
Cincinnatus	17	1440EST			0	0	3	3	Thunderstorm Wind
Herkimer County									
Frankfort	17	1500EST			0	0	4	2	Thunderstorm Wind
Chenango County									
Guilford	17	1500EST			0	0	3	3	Thunderstorm Wind
Norwich	17	1503EST			0	0	4	2	Thunderstorm Wind
Oneida County									
Holland Patent	17	1504EST			0	0	2	0	Thunderstorm Wind
Chenango County									
Sherburne	17	1505EST			0	0	2	2	Thunderstorm Wind
Herkimer County									
T. of Warren	17	1512EST	0.5	15	0	1	5	0	Tornado (F0)
T. of Danube	17	1516EST							
Chenango County									
Coventry	17	1513EST			0	0	3	3	Thunderstorm Wind
Otsego County									
Unadilla	17	1525EST			0	0	3	0	Thunderstorm Wind
Springfield	17	1530EST			0	0	3	0	Thunderstorm Wind
Chenango County									
Coventry	17	1530EST			0	0	4	0	Flash Flood
Herkimer County									
Herkimer	17	1530EST			0	0	4	3	Thunderstorm Wind
Fulton County									
Oppenheim	17	1540EST			0	0	5	0	Thunderstorm Wind

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## NEW YORK, Eastern Cont'd

<b>Herkimer County</b>									
Herkimer	17	1540EST			0	0	3	0	Urban Flood
1 N Manheim	17	1540EST			0	0	3	0	Thunderstorm Wind
<b>Oneida County</b>									
Utica	17	1445EST			0	0	3	0	Thunderstorm Wind
Utica	17	1545EST			0	0	3	0	Urban Flood
<b>Herkimer County</b>									
Herkimer	17	1548EST			0	0	0	0	Hail (0.75)
Herkimer	17	1548EST			0	0	5	0	Flash Flood
<b>Oneida County</b>									
Oriskany Falls	17	1459EST			0	0	3	0	Thunderstorm Wind
<b>Delaware County</b>									
E. Sidney	17	1600EST			0	0	4	3	Thunderstorm Wind
Delhi	17	1600EST			0	0	3	0	Thunderstorm Wind
1 N Franklin	17	1600EST			0	0	2	2	Thunderstorm Wind
Delhi	17	1600EST			0	0	3	0	Urban Flood
<b>Saratoga County</b>									
Mechanicsville	17	1700EST			0	0	2	0	Thunderstorm Wind
<b>Orange County</b>									
Port Jervis	17	1717EST			0	0	4	0	Thunderstorm Wind
Port Jervis	17	1722EST			0	0	2	0	Lightning
Milford	17	1722EST			0	0	2	0	Thunderstorm Wind
<b>Schoharie County</b>									
Esperance	17	2115EST			0	0	3	0	Thunderstorm Wind

Thunderstorms spawned a small F0 tornado in Herkimer County. The tornado touched down in the town of Danube about 4:12 pm along Johnny Cake road. The tornado moved east-northeast and terminated about 150 feet from Koziol Road. During its one-half mile trip, it destroyed two mobile homes. Local power company crews were called to the scene to unwrap sheet metal from overhead wires and power poles. An occupant of one home described loud train-like noises and trees snapping apart. Large hail was reported west-northwest of the tornado about one-half hour prior to touchdown. Flash floods and urban flooding was also reported in the county before and after the tornado. Local schools reacted to NWS tornado watches by canceling classes and/or, after school activities in several counties.

## NEW YORK, Coastal

<b>Suffolk County</b>									
Bethpage	10	1950EST			0	0	?	0	Thunderstorm Wind

Strong thunderstorms triggered by a fast-moving cold front uprooted trees near and north of Bethpage, Long Island.

## NEW YORK, Western

<b>Jefferson County</b>									
Brownville									
Limerick	11	0954EST			0	0	4	0	High Wind

High winds associated with passage of a cold front downed trees and power lines. A portion of a roof was blown off a house in Limerick. Several roads were temporarily blocked due to the downed trees.

<b>Chautaugua County</b>									
Brocton	17	1030EST			0	0	3	0	High Wind
<b>Erie County</b>									
Buffalo	17	1103EST			0	0	3	0	High Wind
<b>Monroe County</b>									
Brighton									
Penfield	17	1130EST			0	0	2	0	High Wind
<b>Ontario County</b>									
Naples, Phelps	17	1230EST			0	0	3	0	High Wind

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## NEW YORK, Western Cont'd

Wayne County West Walworth	17	1245EST			0	0	2	0	High Wind
Ontario County Canandaigua	17	1245EST			0	0	3	0	High Wind
Steuben County Wayne	17	1245EST			0	0	2	0	Thunderstorm Wind
Wayne County Sodus	17	1300EST			0	0	2	0	High Wind
Steuben County Waneta Lake	17	1310EST			0	0	2	0	Thunderstorm Wind
Steuben County Bath	17	1310EST			0	0	3	0	Thunderstorm Wind
Wayne County Clyde	17	1345EST			0	0	3	0	High Wind
Tompkins County 6 mi N of Ithaca	17	1420EST			0	0	2	0	Thunderstorm Wind
Jefferson County	17	1430EST			0	0	3	0	High Wind
Chemung County Elmira	17	1430EST			0	0	3	0	Thunderstorm Wind High Wind
Steuben County Avoca, Canisteo	17	1800EST			0	0	3	0	Thunderstorm Wind

High winds and thunderstorms accompanied the passage of a rapidly moving cold front downing trees and power lines and causing considerable damage across western and central New York. A peak gust of 61 mph was reported at the Buffalo Airport.

## NORTH CAROLINA

Carteret County Beaufort	01	0005EST			0	0	5	0	Lightning
Lightning set two large fuel storage tanks on fire in Beaufort.									
Wilkes County Boomer	01	1550EST			0	0	0	0	Hail (1.50)
Graham County Stecoah	01	1630EST			0	0	0	0	Thunderstorm Wind
Alexander County Hiddenite	01	1630EST			0	0	0	0	Hail (1.00)
Stokes County Danbury	01	1630EST			0	0	0	0	Hail (1.00)
Cherokee County Peachtree	01	1650EST			0	0	0	0	Thunderstorm Wind
Caldwell County Baton	01	1700EST			0	0	0	0	Hail (1.00)
Rutherford County Rutherfordton	01	1710EST			0	0	0	0	Hail (1.75)
Rockingham County Near Reidsville	01	1715EST			0	0	0	0	Hail (1.00)
Guilford County Monticello	01	1730EST			0	0	0	0	Hail (1.00)
Guilford County Gibsonville	01	1745EST			0	0	0	0	Hail (1.00)
Guilford County 2 SE Greensboro	01	1755EST			0	0	0	0	Thunderstorm Wind
Davidson County Reeds	01	1805EST			0	1	0	0	Lightning
Polk County Coopers Gap	01	1810EST			0	0	0	0	Hail (1.00)
Rutherford County Lake Lure	01	1810EST			0	0	0	0	Hail (1.00)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## NORTH CAROLINA Cont'd

Alamance County 4 E Burlington	01	1810EST			0	0	0	0	Thunderstorm Wind
Gaston County Cherryville	01	1817EST			0	0	5	0	Lightning
Davidson County Lexington	01	1820EST			0	1	0	0	Lightning
Iredell County Mooresville	01	1820EST			0	0	0	0	Thunderstorm Wind
Gaston County Cherryville	01	1822EST			0	0	0	0	Hail (0.75)
Mecklenburg County Davidson	01	1825EST			0	0	0	0	Funnel Cloud
Rowan County	01	1830EST			0	0	0	0	Thunderstorm Wind
Gaston County Spencer Mountain	01	1910EST			0	0	0	0	Thunderstorm Wind
Mecklenburg County Charlotte	01	1935EST			0	0	0	0	Thunderstorm Wind Hail (1.00)
Mecklenburg County Cornelius	01	2010EST			0	0	0	0	Thunderstorm Wind

The first day of the month was marked by widespread severe thunderstorms across the state. The main mark of these storms was large hail and lightning, although some wind damage was reported. Of the reported hail, the largest was golf ball-size reported in Rutherfordton. Thunderstorm wind blew down trees and power lines in Stecoah, Peachtree, Salisbury, near Greensboro, Mooresville, and Burlington. Later in the afternoon a second area of thunderstorms developed producing widespread damage to trees and power lines in the Charlotte area and near Spencer Mountain in Gaston County. Lightning struck and injured a fireman who was directing traffic in Reeds of Davidson County. A police dispatcher was injured by lightning while talking on the telephone. A Cherryville house in Gaston County burned after being struck by lightning. Damage was near \$10,000. A funnel cloud was sighted near Davidson in Mecklenburg County.

Orange County Chapel Hill	01	1835EST			0	0	0	0	Thunderstorm Wind
Chatham County 5 W Moncure	01	1900EST			0	0	0	0	Thunderstorm Wind
Durham County Durham	01	1900EST			0	0	0	0	Thunderstorm Wind
Wake County Cary	01	1910EST			0	0	0	0	Thunderstorm Wind
Harnett County Lillington	01	1945EST			0	0	0	0	Thunderstorm Wind
Johnston County Smithfield	01	1945EST			0	0	0	0	Thunderstorm Wind
Wilson County Wilson	01	2015EST			0	0	0	0	Thunderstorm Wind
Wayne County Goldsboro	01	2015EST			0	0	4	0	Thunderstorm Wind
Lenoir County 5 E La Grange	01	2045EST			0	0	0	0	Thunderstorm Wind
Green County Snow Hill	01	2100EST			0	0	0	0	Thunderstorm Wind
Sampson County 4 NW Garland	01	2145EST			0	0	0	0	Hail (0.75)
Brunswick County 5 N Southport	01	2310EST			0	0	0	0	Lightning

Later in the evening severe thunderstorms moved into the central and southeast part of the state. Most of the damage from this point on was due to downburst winds. Trees and power lines were blown across much of northern Orange and eastern Chatham counties. A few trees were downed in the city of Durham. There were extensive power outages and trees down in central and southern Wake County. Downed trees blocked U.S. 401 near Lillington. Downed trees were

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## NORTH CAROLINA Cont'd

also reported in Coats and Smithfield. Scattered areas of downed trees and power lines were also reported in Wilson, Wayne, Lenoir, and Green counties. Some houses were damaged by falling trees near Goldsboro. Lightning struck the ground igniting a peat bog near Southport. The fire was still burning three weeks later.

Transylvania County Rosman	02	1632EST			0	0	0	0	Hail (1.00)
Transylvania County East Fork	02	1646EST			0	0	0	0	Hail (1.00)
Transylvania County Cedar Mountain	02	1656EST			0	0	0	0	Hail (1.00)
Alexander County Sugarloaf	02	1733EST			0	0	0	0	Thunderstorm Wind Hail (1.00)
Davie County 5 N Mocksville	02	1819EST			0	0	0	0	Hail (1.75)
Rowan County Spencer	02	1938EST			0	0	0	0	Hail (1.75)
Davidson County High Rock Lake	02	1940EST			0	0	0	0	Hail (1.50)
Alexander County Taylorsville	02	2000EST			0	0	0	0	Hail (1.75)
Davidson County Denton	02	2000EST			0	0	0	0	Thunderstorm Wind
Moore County Vass	02	2030EST			0	0	0	0	Thunderstorm Wind
Iredell County Statesville	02	2038EST			0	0	0	0	Hail (0.75)
Mecklenburg County Huntersville	02	2040EST			0	0	0	0	Thunderstorm Wind
Rowan County Enochville	02	2125EST			0	0	0	0	Thunderstorm Wind
Union County New Salem	02	2149EST			0	0	0	0	Hail (1.25)
Union County Sikes Mill	02	2159EST			0	0	0	0	Thunderstorm Wind
Davidson County S of Welcome	02	2200EST			0	0	0	0	Thunderstorm Wind
Lee County Lemon Springs	02	2200EST			0	1	4	0	Thunderstorm Wind Hail (0.75)
Anson County Near Cedar Hill	02	2230EST			0	0	0	0	Hail (0.75)
W Harnett County	02	2300EST			0	0	0	0	Thunderstorm Wind
E Moore County	02	2320EST			0	0	0	0	Thunderstorm Wind

During the afternoon severe thunderstorms began dropping large hail in the mountains. The storms quickly moved into the foothills and piedmont. Golf ball-size hail was reported at or near Mocksville, Spencer, and Taylorsville. Trees and power lines were blown down at Sugarloaf, Denton, Enochville, Sikes Mill, Welcome, and in western Harnett and eastern Moore counties. The most damaging downburst occurred in a three-square-mile area near Lemon Springs in Lee County where numerous trees were blown down. One fell through a mobile home injuring a young girl. One other mobile home was destroyed and two houses were damaged.

Macon County Franklin	04	0300EST			0	0	4	0	Flash Flood
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An early morning thunderstorm dropped 3.55 inches of rain in Franklin. Urban flash flooding put water in 10 businesses in Franklin. Damage estimates were near \$20,000.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## NORTH CAROLINA Cont'd

Wake County  
Zebulon  
SW Nash County

04	1700EST					0	0	0	0	Hail (1.75)
04	1700EST					0	0	0	0	Hial (1.00)

Golf ball-size hail fell in Zebulon in Wake County. Quarter-size hail fell in southwest Nash County.

Brunswick County  
3 NE Shallotte

05	1445EST	1	300	0	0	3	0	Tornado (F1)		
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A small torando touched down briefly three miles northeast of Shallotte. The tornado blew down trees and power lines along an intermittent one-mile-long path.

Halifax County  
Scotland Neck

05	1930EST					0	0	0	0	Hail (1.25)
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Half-dollar-size hail fell in Scotland Neck.

Nash County  
Red Oak  
Nash County  
Rocky Mount  
Halifax County  
1 N Enfield  
Jones County  
Wyse Fork

10	1655EST					0	0	0	0	Thunderstorm Wind
10	1700EST					0	0	0	0	Funnel Cloud
10	1725EST					0	0	4	0	Thunderstorm Wind
10	1908EST					0	1	4	0	Thunderstorm Wind

A large number of trees were blown down near Red Oak and Momeyer in Nash County. A funnel cloud was spotted in Rocky Mount moving northeast. Barns were damaged and trees were blown down north of Enfield. In the Wyse Fork area of Jones County, downburst wind overturned a mobile home injuring one man. Trees were blown down west of Trenton.

Northhampton County  
3 NE Woodland

13	1422EST	0.2	30	0	0	4	0	Tornado (FO)		
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A small tornado touched down briefly along U.S. Highway 258 northeast of Woodland. The only damage was to trees in the area and one farm house. Witnesses saw the tornado on the ground and debris flying around it.

Gates County  
Gatesville  
Currituck County  
W of Harbinger  
Washington County

13	1520EST					0	0	0	0	Thunderstorm Wind
13	1620EST					0	0	0	0	Waterspout
13	1630EST					0	0	0	0	Thunderstorm Wind

Bertie County  
Glovers  
Crossroads

13	1635EST					0	0	5	0	Thunderstorm Wind
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Trees were blown down in Gatesville and eastern Washington County. Two waterspouts were sighted west of Harbinger in the Albemarle Sound. In Glovers and Crossroads powerful downburst winds severely damaged a church and destroyed two outbuildings. Four houses in the area received minor damage. Witnesses at the church said the wind blew for three minutes.

Jones County  
Comfort

17	1520EST					0	0	0	0	Funnel Cloud
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A funnel cloud was sighted by several people in the Comfort area of Jones County.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME		LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD	EST			KILLED	INJURED	PROPERTY	CRODS	

## NORTH CAROLINA Cont'd

Davidson County  
Thomasville      17 1800EST                                  1   0   0   0      High Winds

A 50-year-old Thomasville man was killed while mowing his grass when strong post cold front winds blew down a large tree. The tree had reportedly been damaged by Hurricane Hugo (M500)

Duplin County  
Warsaw            20 1715EST                                  0   0   5   0      Thunderstorm Wind

Pitt County  
Simpson           20 1733EST                                  0   0   0   0      Hail (1.75)

Craven County  
6 NW New Bern   20 1800EST                                  0   0   5   0      Thunderstorm Wind  
Hail (1.75)

Onslow County  
1 W Richlands    20 1855EST                                  0   0   0   0      Hail (1.00)

Golf ball-size hail fell in Simpson and north of New Bern. Thunderstorm winds blew down 50 to 75 large trees and damaged a store in Warsaw. Trees were also blown down near New Bern.

Cleveland County  
7 W Shelby       21 1549EST                                  0   0   0   0      Hail (1.00)

Cleveland County  
W of Shelby       21 1600EST                                  0   0   0   0      Funnel Cloud

Cleveland County  
Shelby            21 1605EST                                  0   0   0   0      Hail (0.75)

Cleveland County  
Kings Mountain   21 1630EST                                  0   0   0   0      Hail (1.00)

Mecklenburg County  
Mint Hill          21 1900EST                                  0   0   0   0      Lightning

Union County  
7 S Monroe        21 1925EST                                  0   0   0   0      Hail (0.75)

Lincoln County  
Lincolnton        21 2000EST                                  0   0   0   6      Hail (.75)

Large hail and a funnel cloud were reported over the southwest piedmont. The funnel cloud was sighted by police west of Shelby. Over a half a million dollars in hail damage was done to the Lincoln County apple and peach crop. Lightning started a fire that completely destroyed a house in Mint Hill.

Brunswick County  
Hickman  
Crossroads        22 1400EST      0.25   20    0   0   3   0      Thunderstorm Wind

A thunderstorm downburst uprooted trees and damaged the roof of a grocery store in Hickman Crossroads.

Rockingham County  
10 W Reidsville   27 1630EST                                  0   0   0   0      Hail (1.00)

Guilford County  
Browns Summit    27 1650EST                                  0   0   0   0      Hail (1.00)

Guilford County  
5 N Greensboro   27 1710EST                                  0   0   0   0      Hail (1.75)

Quarter- to golf ball-size hail fell from severe thunderstorms in Rockingham and Guilford counties.

Catawba County  
5 E Hickory       28 1825EST                                  0   0   0   0      Hail(0.75)

NW Iredell County   28 1900EST                                  0   0   0   0      Hail (1.75)



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD	KILLED			INJURED	PROPERTY	CROPS		

## NORTH CAROLINA Cont'd

**Catawba County**  
**Claremont**      28 1932EST      0   0   0   0    **Hail (1.75)**  
 Quarter- to golf ball-size hail fell from severe thunderstorms in Catawba and Iredell counties.

**Dare County**  
**Frisco**            29 0433EST    0.5    50    0   1   0   0    **Waterspout  
 Tornado (F1)**  
 During the early morning hours a waterspout tornado moved ashore near Frisco. It was on the ground about one-half mile. Most of the damage was to trees. A man in a camp ground was seriously injured when the tornado hit his tent lifting the man about 60 yards in the air.

## NORTH DAKOTA

**Stutsman County**  
**Jamestown**      11 1300CST      **Funnel**

**Sargent County**  
**Geneseo**            22 1410CST      0   0   0   0    **Hail (1.75)**

**Richland County**  
**Lidgerwood**      22 1420CST      0   0   0   0    **Hail (0.75)**

**Ward County**  
**Burlington**        27 1255CST      **Funnel**  
**1 SW Minot**        27 1310CST      **Funnel**  
**8 SW Minot Air**    27 1319CST      **Funnel**  
**Base**

**Bottineau County**  
**Lansford**            27 1353CST      **Funnel**

Numerous cold-air funnel clouds were sighted over Ward and Bottineau counties.

## OHIO

**Butler County**    04 1430EST    1.25    50    0   0   5   0    **Tornado (F1)**  
 A tornado moved through northern Morgan Township. A home was damaged on Chapel Road just south of Layhigh Road. Five homes and a barn were damaged at the intersection of Bell and Layhigh Roads. A garage was destroyed and a home was damaged at the intersection of Robinson and Layhigh Roads.

**Darke County**    04 1856EST      0   0   4   0    **Thunderstorm Wind**  
 Thunderstorm winds overturned a grain bin and a horse trailer in the southern part of the county.

**Butler County**    04 1950EST    0.25    150    1   5   5   0    **Tornado (F2)**  
 A tornado moved through the Cindy Mobile Home Park just west of Blue Ball. Seven mobile homes were destroyed and ten were damaged. An apartment building just northeast of the mobile home park also received some damage. Tornado. (F23M)

**Warren County**    04 2025EST      0   0   5   0    **Thunderstorm Wind**  
**Clinton County** 04 2045EST      0   0   4   0    **Thunderstorm Wind**  
 Thunderstorm winds overturned three cars and damaged an apartment building in Lebanon (Warren County) and blew down trees on Cuba and Aulby Roads in Wilmington (Clinton County).

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OHIO Cont'd

Hamilton County	05	0400EST-							
Miami River	06	0400EST			0	0	4	0	Flood
Pike County	05	0500EST-							
Scioto River	06	0500EST			0	0	4	0	Flood

The Miami River at Miamitown went above flood stage and crested at 18.5 feet at 1200 on the 5th. This was 2.5 feet above flood stage. The Scioto River at Piketon went above flood stage and crested at 16.7 feet at 1600 EST on the 5th. This was 0.7 of a foot above flood stage.

## OHZ001 > 006-010-011

Northwest, Central Lakeshore, Northeast Lakeshore, Northeast Inland, Miami Valley Central, West Central & Central Highlands	10	Morning- Evening		0	0	5	0	High Wind
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Strong winds of 20 to 30 mph with gusts between 40 and 55 mph blew across the northern two-thirds of Ohio. Power lines and trees were blown down and some structural damage occurred to buildings.

Hamilton County	15	0000EST-							
Little Miami River		0100EST			0	0	0	0	Flood
	17	0100EST-			0	0	4	0	Flood
		1300EST							

The Little Miami River at Milford briefly touched the flood stage of 17 feet on the 15th. The river went back over flood stage on the 17th. The crest was 18.3 feet at 0700 EST which was 1.3 feet above flood stage.

Butler County	15	1052EST			0	1	0	0	Lightning
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A man was injured by lightning as he walked out of a department store on State Route 4 in Hamilton.

Williams County	16	0815EST-							
Tiffin River	22	0300EST			0	0	5	0	Flood
Williams County	16	0930EST-			0	0	4	0	Flood
St. Joseph River	20	1300EST							

The Tiffin River at Stryker flooded and crested at 14.3 feet at 0700 EST on the 18th. This was 3.3 feet above flood stage. The St. Joseph River at Montpelier flooded and crested at 14.9 feet at 1200 EST on the 17th. This was nearly three feet above the flood stage of 11 feet.

Cuyahoga County	16	0930EST-							
		1200EST			0	0	4	0	Urban and Small Stream Flooding
Geauga County	16	1000EST-			0	0	4	0	Urban and Small Stream Flooding
		1215EST							
Lake County	16	1030EST-			0	0	4	0	Urban and Small Stream Flooding
		1230EST							
Ashtabula County	16	1100EST-			0	0	4	0	Urban and Small Stream Flooding
		1230EST							

Thunderstorms dropped around two inches of rain on extreme northeast Ohio in only a couple of hours. Small creeks and streams flooded, roads were closed, and basements filled with water.

Brown County	16	1450EST			0	0	4	0	Thunderstorm Wind
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Trees and power lines were blown down along Martin Hill Road in Huntington Township.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OHIO Cont'd

**Hamilton County** 16 1500EST-  
**Miami River** 18 1000EST 0 0 4 0 Flood

The Great Miami River at Miamitown flooded and crested at 20 feet at 1500 EST on the 17th. This was four feet above flood stage and some minor damage occurred.

**Scioto County** 16 1545EST 2.5 100 0 0 5 0 Tornado (F1)

A tornado touched down just northwest of Otway on Route 348 and traveled to just northeast of Otway. Many homes were damaged, a barn was destroyed, and trees and power lines were blown down.

**Eire County** 16 1800EST-  
**Huron River** 2000EST 0 0 0 0 Flood

The Huron River at Milan briefly flooded during the evening. It crested at 14.1 feet which was 0.1 feet above flood stage.

<b>Preble County</b>	16	2245EST-						Urban and Small
	17	0100EST			0	0	4	Stream Flooding
<b>Hamilton County</b>	16	2300EST-			0	0	6	Flash Flood
	17	0200EST			0	0	5	Flash Flood
<b>Clermont County</b>	16	2300EST-			0	0	5	Flash Flood
	17	0300EST			0	0	5	Flash Flood
<b>Highland County</b>	16	2300EST-			0	0	5	Flash Flood
	17	0300EST			0	0	5	Flash Flood
<b>Brown County</b>	17	0000EST-			0	0	5	Flash Flood
		0300EST			0	0	5	Flash Flood
<b>Montgomery County</b>	17	0030EST-			0	0	4	Urban and Small
		0330EST			0	0	4	Stream Flooding

Thunderstorms dropped between two and four inches of rain on already saturated soils. Numerous streams, creeks, and rivers overflowed their banks. Many roads were closed due to high water and some were washed out. Mud slides closed roads in many areas. The community of Fairfax, in Hamilton County, was evacuated as Little Duck Creek overflowed. Forty homes were damaged and one was destroyed.

<b>Hamilton County</b>	16	2300EST			0	0	4	Thunderstorm Wind
<b>Hamilton County</b>	16	2300EST			0	0	4	Hail (1.25)
<b>Clermont County</b>	16	2315EST			0	0	4	Hail (0.75)
<b>Clermont County</b>	16	2343EST			0	0	4	Hail (0.75)

Thunderstorms moved through southwest Ohio, dropping large hail in southwest Hamilton County at Stone Lick Park and Felicity in Clermont County. Trees were also blown down in western Hamilton County.

<b>Pike County</b>	17	0100EST-						
<b>Scioto River</b>	20	0800EST			0	0	5	4 Flood
<b>Adams County</b>	17	0200EST-			0	0	4	? Flood
<b>Ohio Brush Creek</b>		1600EST			0	0	4	? Flood
<b>Warren County</b>	17	0300EST-			0	0	4	? Flood
<b>Little Miami River</b>		1400EST			0	0	4	? Flood
<b>Pickaway County</b>	17	0830EST-			0	0	4	? Flood
<b>Scioto River</b>	19	0800EST			0	0	4	? Flood
<b>Hocking County</b>	17	1100EST-			0	0	4	? Flood
<b>Hocking River</b>	18	0200EST			0	0	4	? Flood
<b>Lucas County</b>	17	1400EST-			0	0	?	0 Flood
<b>Maumee River</b>	18	1400EST			0	0	?	0 Flood
<b>Ross County</b>	17	1900EST-			0	0	?	0 Flood
<b>Paint Creek</b>		2400EST			0	0	?	0 Flood

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OHIO Cont'd

The Scioto River at Piketon flooded and crested at 23.4 feet at 1100 EST on the 18th. This was 7.4 feet above flood stage and many areas were flooded. Ohio Brush Creek at West Union flooded and crested at 16.7 feet at 0600 EST. This was 1.7 feet above flood stage. The Little Miami River at Kings Mills flooded. It crested at 17.8 feet at 0800 EST which is almost a foot above the flood stage of 17 feet. The Scioto River at Circleville flooded and crested at 16.2 feet at 0700 EST on the 18th. This was 2.2 feet above flood stage. Heavy rain pushed the Hocking River at Enterprise into flood. It crested at 13.3 feet at 1500 EST on the 17th. This was 1.3 feet above flood stage. The Maumee River at Waterville went into flood and crested at 9.2 feet at 2100 EST. This was 0.2 feet above flood stage. Paint Creek at Bourneville just above flood stage and crested at 10.1 feet at 2000 EST. This was 0.2 feet above flood stage. Damage from this period of flooding was restricted to farmland near the rivers, except for the lower Scioto River basin. Widespread damage occurred to homes, businesses, and farmland in and around Piketon.

**OHZ002 > 004**  
Central Lakeshore,  
Northeast Lakeshore  
& Northeast Inland

17	Afternoon- Evening	0	4	5	0	High Wind
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Strong winds of 20 to 30 mph with gusts between 50 and 60 mph blew across northeast Ohio. Power lines and trees were blown down, and structural damage occurred to buildings. A man and a woman were injured in Garrettsville at 1740 EST when a tree was blown onto their car. In Akron a woman broke her hip at 1550 EST when gusty winds blew her down, and a man was injured when a tree branch fell onto his car.

Washington County	26 0900EST- 1300EST	0	0	5	4	Urban and Small Stream Flooding
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Heavy rain of over two inches fell on portions of the county causing streams to overflow. State Route 618 south of Belpre, and County Roads 3, 10, and 25 were under water. A bridge near the intersection of State Routes 676 and 550 near Bartlett was washed out.

Delaware County	26 2155EST	0	0	4	0	Thunderstorm Wind
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Thunderstorms blew down trees in Shawnee Hills, Powell, and across Route 315 in southern Delaware County.

Pike County Scioto River	27 0000EST 1600EST	0	0	4	?	Flood
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The Scioto River at Piketon flooded and crested at 17.8 feet at 0800 EST. This was almost two feet above the 16 foot flood stage.

Licking, Fairfield,  
Perry, Hocking, Ross,  
Pickaway, Muskingum,  
Guernsey, Belmont  
Morgan, Noble, Monroe,  
Washington, Athens, 28  
Vinton, Meigs, Pike, 29  
Jackson, Gallia,  
Scioto and Lawrence  
Counties

28	1700EST- 0700EST	3	2	7	5	Urban, Small Stream and Flash Flooding
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Two to five inches of rain fell over the southeast quarter of Ohio which caused widespread urban, small stream, and flash flooding. This area of Ohio received around two inches of rain on the 25th and 26th of May which saturated the ground. Rainfall for the month of May through the 27th was nearing 10 inches for this area of Ohio, which was almost twice the normal. Numerous roads were flooded and impassable. Landslides blocked roads in many areas. One house was destroyed by a landslide in Jasper (Pike County). Homes, businesses, and agriculture suffered severe damage. In Hocking County hundreds of people were evacuated from Rockbridge, Logan, and Murray City as the Hocking River and its tributaries overflowed. In Athens County, Nelsonville, Chauncey, and Athens were flooded, and hundreds of people were evacuated. The communities of Shawnee, Hemlock, and Corning in Perry County reported

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROBABLY	CROSS	

## OHIO Cont'd

widespread flooding with some evacuations in Shawnee and Corning. In Morgan County one man drowned and two others were injured when their boat was carried over a dam on the Muskingum River. Two teenage girls were killed when they were swept away by the rising waters of Paint Creek in Ross County. Flash Flood M240 F150 F160.

Pike County	28	2300EST-							
Scioto River	01	0400EST			0	0	5	5	Flood
Hocking County	29	0200EST-							
Hocking River	30	1600EST			0	0	5	5	Flood
Pickaway County	29	0900EST-							
Scioto River	30	2300EST			0	0	5	5	Flood
Athens County	30	0300EST-							
Hocking River	31	1930EST			0	0	5	5	Flood
Guernsey County	30	1230EST-							
Wills Creek	31	1700EST			0	0	4	?	Flood

The Scioto River at Piketon flooded and crested at 25.9 feet at 1100 EST on the 30th. This was about 10 feet above flood stage. This crest was close to the sixth highest level of 28.8 feet that was attained on March 7, 1945. The Scioto River also flooded at Circleville and crested at 16.7 feet at 0500 EST on the 30th. This was almost three feet higher than the 14-foot flood stage. The Hocking River at Enterprise flooded and crested at 16.4 feet at 1800 EST on the 29th. This was about 4.5 feet above flood stage. The Hocking River also flooded at Athens and crested at 23.2 feet at 1500 EST on the 30th. This was 3.2 feet above flood stage. This was the highest level attained since March 11, 1964 when the river rose to 24.18 feet. Wills Creek at Cambridge flooded and crested at 13.9 feet at 2100 EST on the 30th. This was almost one foot above flood stage. This flooding resulted from the excessive rain that fell over southeast Ohio on the 28th and 29th. Severe damage occurred to homes, businesses, and agriculture.

## OKLAHOMA

Oklahoma County	02	1020CST-2300CST			1	0	6	?	Flash Flood
Cleveland County	02	1020CST-2300CST			0	0	5	?	Flash Flood
McClain County	02	1020CST-2300CST			0	0	5	?	Flash Flood
Grady County	02	1400CST-2300CST			0	0	5	?	Flash Flood
Canadian County	02	1400CST-2300CST			0	0	5	?	Flash Flood
Comanche County	02	1400CST-2300CST			0	0	5	?	Flash Flood
Cotton County	02	1400CST-2300CST			0	0	5	?	Flash Flood
Kingfisher County	02	1400CST-2300CST			0	0	5	?	Flash Flood
Lincoln County	02	1400CST-2300CST			0	0	5	?	Flash Flood
Logan County	02	1400CST-2300CST			0	0	6	?	Flash Flood
Payne County	02	1400CST			0	0	6	?	Flash Flood
Stephens County	02	1020CST-2300CST			0	0	5	?	Flash Flood

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Jefferson Countywide	02	1020CST-2300CST			0	0	5	?	Flash Flood
Garvin Countywide	02	1020CST-2300CST			0	0	5	?	Flash Flood
Murray Countywide	02	1020CST-0500CST			0	0	6	?	Flash Flood
Carter Countywide	02	1020CST-0500CST			0	0	6	?	Flash Flood
Love Countywide	02	1020CST-0500CST			0	0	5	?	Flash Flood
Marshall Countywide	02	1020CST-0500CST			0	0	5	?	Flash Flood
Bryan Countywide	02	1020CST-0500CST			0	0	5	?	Flash Flood
Johnston Countywide	02	1020CST-0500CST			0	0	5	?	Flash Flood
Coal Countywide	02	1020CST-0500CST			0	0	5	?	Flash Flood
Atoka Countywide	02	1020CST-0500CST			0	0	5	?	Flash Flood
Pontotoc Countywide	02	1020CST-0500CST			0	0	5	?	Flash Flood
Hughes Countywide	02	1020CST-0500CST			0	0	5	?	Flash Flood
Choctaw Countywide	02	1020CST-0500CST			0	0	5	?	Flash Flood
Pittsburgh Countywide	02	1500CST-0300CST			0	0	5	?	Flash Flood
Pottawatomie Countywide	02	1400CST-2300CST			0	0	5	?	Flash Flood
Pushmataha Countywide	02	1400CST-0500CST			0	0	?	?	Flash Flood
McIntosh Countywide	02	1600CST-0200CST			0	0	5	?	Flash Flood
Seminole Countywide	02	1020CST-2300CST			0	0	5	?	Flash Flood
Latimer Countywide	02	2100CST-0300CST			0	0	5	?	Flash Flood
Okfuskee Countywide	02	2200CST-0000CST			0	0	5	?	Flash Flood
Creek Countywide	02	2200CST-0000CST			0	0	5	?	Flash Flood
Okmulgee Countywide	02	2200CST-0000CST			0	0	5	?	Flash Flood
Cherokee Countywide	02	2300CST-0100CST			0	0	5	?	Flash Flood
Haskell Countywide	03	0200CST-0400CST			0	0	5	?	Flash Flood
Leflore Countywide	02	1855CST-0900CST			0	0	?	?	Flash Flood
Sequoyah Countywide	03	0200CST-0600CST			0	0	?	?	Flash Flood

Persistent rain with embedded thunderstorms across southern and eastern Oklahoma during the 2nd and early morning hours of the 3rd resulted in widespread flash flooding. Rainfall amounts of four to seven inches fell on already saturated ground during a 6- to 10-hour period. Hundreds of roads were washed out or closed due to high water, and many hundreds of people were evacuated due to rising water and the threat of dam failures. A nine-year-old Oklahoma City boy drowned when he was swept away by fast-moving water while playing near a swollen creek. Approximately 200 people were evacuated downstream of Comanche Dam in Stephens County; however, the dam did not fail and residents were able to return home on the 3rd. Between 100

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

and 150 homes were flooded in Waurika in Jefferson County. Several buildings were damaged by high water in Tahlequah in Cherokee County. Resort areas around Lake Texoma in Marshall and Bryan counties were hard hit. Damage was extensive to marinas, boats, buildings, and property near the lake. Lake Texoma topped its spillway for the first time since 1957. (M09O).

Jefferson County	02	Unknown							
Western Portion	03	Unknown			0	0	?	?	River Flood
Beaver Creek flooded ten homes and five businesses in Waurika with 80 homes surrounded by high water. In Addington ten homes were flooded.									
Choctaw County	02	2248CST			0	0	?	?	Thunderstorm Wind
4 WNW Frogville									
Leflore County	02	2320CST			0	0	?	?	Hail (0.75)
Arkoma									
McCurtain County	02	2335CST			0	0	?	?	Thunderstorm Wind
McCurtain County									

Thunderstorms produced strong winds which downed trees four miles west-northwest of Frogville and in McCurtain County. Dime-size hail fell in Arkoma.

Leflore County	03	Unknown							
Northern Portion	05	Unknown			0	0	?	?	River Flood
The Poteau River flooded several mobile homes in Panama, and two homes in Pocola.									
Sequoyah County	04	Unknown			0	0	?	?	River Flood
Moffett	06	Unknown							

The main stem of the Arkansas River crested at 13.8 feet above flood stage at the nearby gaging point in Van Buren, Arkansas. In Moffett, one residence was destroyed, 189 suffered major damage, and three to four feet of water covered schools and businesses.

Logan County	05	0515CST							
3 S Marshall					0	0	?	?	Hail (1.75)
Logan County	05	1600CST			0	0	?	?	Hail (0.88)
Coyle									
Lincoln County	05	1630CST			0	0	?	?	Hail (0.75)
7 W Tryon									
Oklahoma County	05	1730CST			0	0	?	?	Hail (1.00)
Edmond									
Cleveland County	05	1823CST			0	0	?	?	Hail (0.75)
N Norman									

Thunderstorms in central Oklahoma produced hail up to the size of golf balls.

Stephens County	11	1020CST							
5 SE Duncan					0	0	?	?	Hail (1.00)
McClain County	11	1307CST			0	0	?	?	Hail (0.75)
Blanchard									
Cleveland County	11	1316CST			0	0	?	?	Hail (0.75)
Norman									
Major County	11	2229CST			0	0	?	?	Hail (1.00)
Cleo Springs									
Major County	11	2307CST			0	0	?	?	Hail (0.75)
Ringwood									
Garfield County	11	2330CST			0	0	?	?	Hail (1.25)
5 N Lahoma									
Garfield County	12	0000CST			0	0	?	?	Hail (0.75)
Hunter									
Grant County	12	0005CST			0	0	?	?	Hail (0.75)
1 NW Salt Fork									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Noble County Billings	12	0025CST			0	0	?	?	Hail (0.88)
Woods County 7 E Waynoka	12	0025CST			0	0	?	?	Hail (0.75)
Kay County Nardin	12	0035CST			0	0	?	?	Hail (0.88)
Bryan County Yuba	12	0725CST			0	0	?	?	Hail (0.75)
Choctaw County 6 S Boswell	12	0800CST			0	0	?	?	Hail (0.88)

Thunderstorms on the 11th and early morning hours of the 12th produced many reports of large hail.

Major County 10 W Cleo Springs	14	1707CST			0	0	?	?	Hail (1.00)
Alfalfa County Carmen	14	1715CST			0	0	?	?	Hail (1.00)
Roger Mills County 4 WNW Sweetwater	14	1734CST			0	0	?	?	Hail (1.00)
Alfalfa County 1 S Jet	14	1750CST			0	0	?	?	Hail (1.00)
Roger Mills County Reydon	14	1751CST			0	0	?	?	Hail (2.75)
Roger Mills County 8 NW Mayfield	14	1755CST			0	0	?	?	Hail (1.00)
Roger Mills County 1 SE Roll	14	1815CST			0	0	?	?	Hail (0.88)
Ellis County 17 S Harmon	14	1845CST			0	0	?	?	Hail (0.88)
Grant County 2 E Renfrow	14	1845CST			0	0	?	?	Hail (0.75)
Ellis County 10 SE Harmon	14	1900CST			0	0	?	?	Hail (1.00)
Dewey County Vici	14	1900CST			0	0	?	?	Hail (1.50)
Woodward County 4 S Sharon	14	1900CST			0	0	?	?	Hail (1.00)
Woodard County 1 N Sharon	14	1915CST			0	0	?	?	Hail (2.75)
Woodward County 1 E Mooreland	14	1930CST			0	0	?	?	Hail (2.75)
Major County 5 N Bouse Junction	14	1945CST			0	0	?	?	Hail (1.00)
Osage County N Osage County	14	1945CST			0	0	?	?	Thunderstorm Wind
Woods County Waynoka	14	2005CST			0	0	?	?	Hail (2.75)
Woods County Waynoka	14	2005CST			0	0	?	?	Thunderstorm Wind
Nowata County Nr Delaware	14	2025CST			0	0	?	?	Hail (0.75)
Woods County Alva	14	2026CST			0	0	?	?	Hail (1.00)
Afalfa County 7 W Ingersoll	14	2037CST			0	0	?	?	Hail (0.75)
Washington County Copan	14	2050CST			0	0	?	?	Hail (1.00)
Washington County Copan	14	2050CST			0	0	?	?	Thunderstorm Wind (G61)



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Craig County Vinita	14	2140CST			0	0	?	?	Hail (0.75)
Osage County Nr Bowring	14	2146CST			0	0	?	?	Thunderstorm Wind (G56) Hail
Craig County Vinita	14	2320CST			0	0	?	?	Hail (0.75)
Ottawa County Miami	14	2340CST			0	0	?	?	Hail (0.75)

Thunderstorms produced hail up to the size of softballs and strong winds. Trees were uprooted in northern Osage County and in Copan, and strong winds damaged several roofs in Waynoka.

Major County 2 S Cedar Springs	15	1450CST			0	0	?	?	Hail (0.88)
Dewey County Taloga	15	1520CST			0	0	?	?	Thunderstorm Wind
Dewey County 12 N Oakwood	15	1540CST			0	0	?	?	Hail (4.75)
Blaine County Canton	15	1547CST			0	0	?	?	Hail (4.50)
Caddo County Hydro	15	1625CST			0	0	?	?	Hail (1.75)
Garfield County 5 S Drummond	15	1630CST			0	0	?	?	Hail (1.00)
Blaine County 5 ESE Hitchcock	15	1638CST			0	0	?	?	Hail (2.75)
Blaine County 1 NW Omega	15	1650CST	0.01	20	0	0	?	?	Tornado (F1)
Blaine County Hitchcock	15	1652CST			0	0	?	?	Hail (1.75)
Blaine County Okeene	15	1652CST			0	0	?	?	Hail (1.75)
Kingfisher County 1 SE Omega	15	1653CST			0	0	?	?	Hail (1.50)
Blaine County Geary	15	1700CST			0	0	?	?	Hail (1.00)
Canadian County 10 SW Calumet	15	1705CST	5	50	0	0	?	?	Tornado (F1)
Kingfisher County 1 N Kingfisher	15	1712CST			0	0	?	?	Hail (0.88)
Major County Ames	15	1720CST			0	0	?	?	Hail (1.00)
Garfield County Bison	15	1727CST			0	0	?	?	Hail (0.75)
Garfield County Bison	15	1727CST			0	0	?	?	Hail (0.88)
Canadian County 4 N El Reno	15	1738CST			0	0	?	?	Hail (1.75)
Canadian County 4 W Piedmont	15	1800CST			0	0	?	?	Hail (0.75)
Kingfisher County 3 SE Hennessey	15	1816CST			0	0	?	?	Hail (1.75)
Oklahoma County 5 NW Edmond	15	1817CST			0	0	?	?	Hail (0.88)
Logan County Nr Mulhall	15	1830CST			0	0	?	?	Thunderstorm Wind
Kingfisher County Hennessey	15	1835CST			0	0	?	?	Hail (1.00)
Payne County 4 W Stillwater	15	1841CST	7	440	1	12	6	?	Tornado (F3)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Lincoln County 4 S Carney	15	1900CST			0	0	?	?	Hail (0.88)
Pawney County 2 W Maramec	15	1905CST			0	0	?	?	Hail (0.75)
Payne County Stillwater	15	1909CST			0	0	?	?	Hail (1.50)
Payne County 1 E Stillwater	15	1923CST			0	0	?	?	Hail (0.88)
Pawnee County 5 W Maramec	15	1925CST			0	0	?	?	Hail (1.00)
Garfield County Garber	15	1930CST			0	0	?	?	Hail (0.75)
Noble County 4 S Billings	15	1945CST			0	0	?	?	Hail (1.00)
Creek County 8 ENE Oilton	15	1945CST			0	0	?	?	Hail (1.75)
Creek County Near Mannford	15	1955CST			0	0	?	?	Thunderstorm Wind (G56)
Pawnee County 5 E Hallett	15	2005CST			0	0	0	0	Hail (0.75)
Creek County 11 N Bristow	15	2013CST			0	0	?	?	Hail (1.75)
Creek County 5 SW Sapulpa	15	2040CST			0	0	?	?	Hail (2.75)
Creek County 2 W Kellyville	15	2045CST	1	75	0	0	5	?	Tornado (F1)
Creek County 2 W Kellyville	15	2045CST			0	0	?	?	Hail (2.00)
Creek County Sapulpa	15	2051CST			0	0	?	?	Hail (0.75)
Osage County 3 N Ralston	15	2100CST			0	0	?	?	Hail (0.75)
Garfield County Garber	15	2100CST			0	0	?	?	Hail (1.00)
Tulsa County	15	2105CST			0	0	?	?	Thunderstorm Wind
Tulsa County 4 SW Bixby	15	2110CST	0.01	20	0	0	0	0	Tornado (F0)
Tulsa County Bixby	15	2110CST			0	0	?	?	Hail (1.75)
Wagoner County 5 SW Coweta	15	2125CST			0	0	?	?	Hail (0.88)
Osage County 3 S Wynona	15	2130CST			0	0	?	?	Hail (1.00)
Osage County 2 E Avant	15	2200CST			0	0	?	?	Thunderstorm Wind (G61)
Washington County Ochelata	15	2205CST			0	0	?	?	Hail (0.75)
Pawnee County 2 W Ralston	15	2210CST			0	0	?	?	Hail (0.88)
Rogers County Oologah	15	2220CST			0	0	?	?	Hail (2.00)
Rogers County Oologah Lake	15	2220CST			0	0	?	?	Thunderstorm Wind (G80)
Rogers County 2 W Foyil	15	2230CST			0	0	?	?	Tornado (F2)
Rogers County 3 E Foyil	15	2235CST			0	0	?	?	Hail (0.75)
Rogers County 3 E Foyil	15	2235CST			0	0	?	?	Thunderstorm Wind (G52)
Mayes County 7 W Adair	15	2240CST	8	125	0	0	5	?	Tornado (F2)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Osage County 5 E Barnsdall	15	2240CST			0	0	?	?	Hail (0.88)
Mayes County Adair	15	2240CST			0	0	?	?	Hail (2.00)
Mayes County Adair	15	2240CST			0	0	?	?	Thunderstorm Wind (G56)
Mayes County Langley	15	2250CST			0	0	?	?	Hail (1.75)
Osage County 8 W Pawhuska	15	2310CST			0	0	?	?	Hail (1.00)
Delaware County 10 N Jay	15	2319CST			0	0	?	?	Hail (1.00)
Washington County Ramona	15	2325CST			0	0	?	?	Hail (0.75)
Caddo County 2 SW Apache	15	2330CST			0	0	?	?	Hail (1.75)
Osage County 7 N Avant	15	2335CST			0	0	?	?	Hail (0.88)
Mayes County Big Cabin	15	2338CST			0	0	?	?	Thunderstorm Wind (G61)
Washington County Ochelata	15	2345CST			0	0	?	?	Hail (0.88)

An outbreak of severe thunderstorms and tornadoes across much of central and northern Oklahoma produced reports of hail up to 4.75 inches in diameter, wind damage, and six tornadoes. An F1 tornado touched down one mile northeast of Omega for a brief time and touched down ten miles southwest of Calmuet and moved northeast and crossed Interstate 40. An outbuilding was damaged just north of Interstate 40 southwest of Calmuet. The most destructive tornado touched down four miles west of Stillwater and moved east-northeast into northern parts of the city and caused extensive damage. Two apartment complexes were heavily damaged, nine homes were destroyed and 74 suffered extensive damage. An additional 270 homes suffered minor damage. Two businesses were destroyed and 12 others were damaged. Seven mobile homes were destroyed and another seven were damaged. A four-year-old Stillwater boy died while he and his mother attempted to drive to a friend's home for shelter. The pick-up truck in which he was a passenger was struck by flying debris from nearby homes. There were 12 injuries resulting from the tornado. The most extensive damage was along and north of State Highway 51 and between Washington Street and Jardot Road. Total damage is estimated at \$4 million. An F1 tornado touched down two miles west of Kellyville and moved east-northeast. A home lost its roof and a large barn was destroyed. Total damage was estimated at \$75,000. An F0 tornado touched down four miles southwest of Bixby and produced no known damage. An F2 tornado touched down in Foyik and moved east. There was damage to 30 homes, four churches, and many outbuildings. Ten mobile homes were also destroyed. Eight injuries were reported and total damage was estimated at \$180,000. An F2 tornado touched down west of Adair and moved east. Many homes and businesses in Adair were damaged and one home was destroyed. Three barns were destroyed and many trees and power lines were downed. Total damage was estimated at \$250,000. In addition to the tornados, straight-line thunderstorm winds damaged outbuildings and downed trees in Taloga. Strong thunderstorm winds also damaged three boat docks and 12 boats on the west side of Oolagah Lake. Damage was estimated at \$75,000. (MO4V)

Bryan County 1 SE Roberta	16	0700CST			0	0	?	?	Hail (0.75)
Nowata County Lenapah	16	1325CST			0	0	?	?	Hail (0.75)
Craig County Welch	16	1400CST			0	0	?	?	Hail (0.88)
Rogers County Rogers County	16	1405CST			0	0	?	?	Hail (0.75)
Mayes County 6 E Foyil	16	1417CST			0	0	?	?	Thunderstorm Wind (G56)
Mayes County Langley	16	1455CST			0	0	0	0	Hail (1.00)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Okmulgee County Henryetta	16	1500CST			0	0	?	?	Hail (0.75)
Mayes County N Pryor	16	1515CST			0	0	?	?	Hail (0.88)
Cherokee County 3 SW Hulbert	16	1515CST			0	0	?	?	Thunderstorm Wind (G52) Hail
Muskogee County Muskogee	16	1535CST			0	0	?	?	Hail (0.88)
Delaware County Kansas	16	1540CST			0	0	?	?	Hail (0.75)
Cherokee County 3 S Tahlequah	16	1553CST			0	0	?	?	Thunderstorm Wind (G52) Hail
Pittsburg County 3 NW Crowder	16	1555CST			0	0	?	?	Thunderstorm Wind (G56)
McIntosh County Eufaula	16	1556CST			0	0	?	?	Hail (1.75)
Pittsburg County Near Quinton	16	1635CST			0	0	?	?	Hail (0.75)
Haskell McCurtain	16	1640CST			0	0	?	?	Thunderstorm Wind (G56)
Adair 4 NE Bunch	16	1645CST			0	0	?	?	Hail (0.75)
Latimer County Wilburton	16	1653CST			0	0	?	?	Hail (1.75)
Latimer County Red Oak	16	1710CST			0	0	?	?	Hail (0.75)

Thunderstorms produced hail up to golf ball-size and strong winds.

Jackson County Eldorado	18	0340CST			0	0	?	?	Hail (1.00)
Lincoln County 3 S Carney	18	0400CST			0	0	?	?	Hail (0.75)
Kiowa County 5 W Roosevelt	18	0445CST			0	0	?	?	Hail (1.00)
Canadian County Concho	18	0630CST			0	0	?	?	Hail (1.50)
Kingfisher County 8 SE Kingfisher	18	0645CST			0	0	?	?	Hail (1.00)

Early morning thunderstorms produced hail up to 1.50 inches in diameter.

Beaver County Elmwood	18	1832CST			0	0	?	?	Hail (0.75)
Beaver County 10 E Elmwood	18	1902CST			0	0	?	?	Hail (0.75)
Roger Mills County 13 S Reydon	18	1940CST			0	0	?	?	Hail (0.75)
Harper County Laverne	18	1942CST			0	0	?	?	Hail (1.75)
Rogers Mills County 6 S Reydon	18	2000CST			0	0	?	?	Hail (1.75)
Pontotoc County 3 E Roff	18	2345CST			0	0	?	?	Hail (0.75)
Pittsburgh County 5 SW Savanna	19	0145CST			0	0	?	?	Hail (0.75)

Thunderstorms produced hail up to golf ball-size.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Osage County 5 NE Prue	19	1320CST			0	0	?	?	Hail (0.75)
Osage County 5 E Prue	19	1342CST			0	0	?	?	Hail (1.00)
Osage County 9 NW Sand Springs	19	1405CST			0	0	?	?	Hail (0.88)
Osage County Nr Prue	19	1515 CST			0	0	?	?	Hail (0.75)
Mayes County Langely	19	1530CST			0	0	?	?	Hail (0.75)
Tulsa County South Tulsa	19	1538CST			0	0	?	?	Hail (1.00)
Tulsa County 5 W Sand Springs	19	1540CST			0	0	?	?	Hail (1.75)
Delaware County Chloeta	19	1545CST			0	0	?	?	Hail (0.75)
Mayes County Langely	19	1609CST			0	0	?	?	Hail (0.75)
Osage County 2 NE Prue	19	1610CST			0	0	?	?	Hail (0.75)
Tulsa County Jenks	19	1620CST			0	0	?	?	Hail (0.75)
Mayes County Langley	19	1635CST			0	0	?	?	Hail (1.25)
Mayes County Langley	19	1635CST			0	0	?	?	Thunderstorm Wind (G61)
Mayes County Spavinaw	19	1650CST			0	0	?	?	Hail (0.75)
Mayes County 1 N Pryor	19	1655CST			0	0	?	?	Thunderstorm Wind (G65)
Osage County South Portion	19	1700CST			0	0	?	?	Flash Flood
Delaware County 5 S Cleora	19	1710CST			0	0	?	?	Hail (1.75)
Wagoner County Coweta	19	1713CST			0	0	?	?	Hail (0.75)
Mayes County 5 SE Pryor	19	1720CST			0	0	?	?	Hail (0.88)
Creek County 2 S Drumright	19	1725CST			0	0	?	?	Hail (1.75)
Creek County Drumright	19	1740CST			0	0	?	?	Hail (1.75)
Mayes County Locust Grove	19	1740CST			0	0	?	?	Hail (0.88)
Muskogee County Haskell	19	1740CST			0	0	?	?	Hail (0.75)
Lincoln County Avery	19	1742CST			0	0	?	?	Hail (1.75)
Lincoln County 1 N Avery	19	1744CST			0	0	?	?	Hail (1.75)
Payne County Cushing	19	1753CST			0	0	?	?	Hail (1.75)
Muskogee County 4 S Jamesville	19	1815CST			0	0	?	?	Hail (1.25)
Okmulgee County 3 E Bald Hill	19	1820CST			0	0	?	?	Thunderstorm Wind (G56)
Okmulgee County 3 E Bald Hill	19	1820CST			0	0	?	?	Hail (1.75)
Cleveland County 3 E Moore	19	1829CST			0	0	?	?	Hail (1.00)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Lincoln County 3 N Agra	19	1840CST			0	0	?	?	Hail (1.75)
Muskogee County 3 S Boynton	19	1845CST			0	0	?	?	Hail (0.75)
Oklahoma County Midwest City	19	1846CST			0	0	?	?	Hail (1.00)
Payne County 2 SE Perkins	19	1846CST			0	0	?	?	Hail (0.75)
Payne County 2 SW Cushing	19	1847CST			0	0	?	?	Hail (3.75)
Okmulgee County Morris	19	1855CST			0	0	?	?	Hail (1.75)
Lincoln County 5 W Prague	19	1900CST			0	0	?	?	Hail (1.00)
Logan County 3 SW Meridian	19	1925CST			0	0	?	?	Hail (0.88)
Muskogee County Muskogee	19	1925CST			0	0	?	?	Hail (0.75)
Lincoln County 5 W Prague	19	1930CST			0	0	?	?	Hail (1.00)
Oklahoma County Oklahoma City	19	1934CST			0	0	?	?	Hail (1.00)
Muskogee County Keefelon	19	1938CST			0	0	?	?	Hail (1.75)
Lincoln County Sparks	19	1941CST			0	0	?	?	Hail (1.00)
McIntosh County Eufaula	19	1948CST			0	0	?	?	Hail (1.75)
Okmulgee County 4 S Okmulgee	19	2000CST			0	0	?	?	Hail (0.75)
Lincoln County 5 E Meeker	19	2005CST			0	0	?	?	Hail (1.00)
Oklahoma County Oklahoma City	19	2023CST			0	0	?	?	Hail (3.25)
Canadian County Western									
Oklahoma City	19	2048CST			0	0	?	?	Hail (0.75)
Oklahoma County Oklahoma City	19	2051CST			0	0	?	?	Hail (1.75)
Sequoyah County Vian	19	2056CST			0	0	?	?	Thunderstorm Wind
Canadian County Piedmont	19	2103CST			0	0	?	?	Hail (0.88)
Oklahoma County Oklahoma City	19	2129CST			0	0	?	?	Hail (1.00)
Pottawatomie County Earlsboro	19	2130CST			0	0	?	?	Hail (0.75)
Oklahoma County Countywide	19 20	2100CST- 0200CST			0	0	?	?	Flash Flood
Oklahoma County Oklahoma City	19	2220CST			0	0	?	?	Hail (1.50)
Canadian County 4 S Piedmont	19	2227CST			0	0	?	?	Hail (0.88)
Oklahoma County Oklahoma City	19	2240CST			0	0	?	?	Hail (1.00)
LeFlore County Shady Pt	19	2257CST			0	0	?	?	Hail (0.75)
Canadian County 1 N Yukon	19	2306CST			0	0	?	?	Hail (0.75)
Oklahoma County Oklahoma City	19	2355CST			0	0	?	?	Hail (0.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Pottawatomie County Tecumseh	20	0020CST			0	0	?	?	Hail (0.75)
Hughes County 4 W Holdenville	20	0100CST			0	0	?	?	Hail (0.75)

Thunderstorms produced many reports of large hail and resulted in flash flooding and straight-line wind damage. Several severe thunderstorms affected the Oklahoma City area between 1934 CST and 2355 CST with hail ranging in size from 0.75-inches to nearly 3.50 inches. Hail damage figures from insurance companies were above \$50 million. Several hundred new and used cars suffered extensive damage, and hundreds of homes suffered varying degrees of roof and window damage. The hail damage was most significant in northern and western sections of Oklahoma City. The slow-moving thunderstorms also resulted in flash flooding in the Oklahoma City area as five to seven inches of rain fell during the evening hours. Roads were closed and several businesses suffered damage. Wind damage occurred in Vian, where several trees were downed, and flash flooding also was reported in Osage County as Hominy and Delaware Creeks overflowed their banks. Two to three inches of rain fell in a short period of time.

Ottawa County Quapaw	20	2035CST			0	0	?	?	Hail (1.00)
Delaware County 8 SE Grove	20	2250CST			0	0	?	?	Hail (0.75)
Ottawa County 5 ENE Quapaw	20	2050CST			0	0	?	?	Hail (1.00)
Pushmataha County 5 W Antlers	20	2210CST			0	0	?	?	Hail (0.75)
Pushmataha County 2 S Honobia	20	2230CST			0	0	?	?	Hail (2.75)
Pushmataha County 2 S Honobia	20	2305CST			0	0	?	?	Hail (2.75)
Leflore County Shady Point	20	2257CST			0	0	?	?	Hail (0.75)
McCurtain County Smithville	20	2340CST			0	0	?	?	Hail (1.00)
McCurtain County Nr Watson	21	0015CST			0	0	?	?	Hail (1.75)
Delaware County Bernice	21	0046CST			0	0	?	?	Hail (0.75)
Muskogee County Fort Gibson	21	0130CST			0	0	?	?	Hail (0.75)
Adair County Watts	21	0145CST			0	0	?	?	Hail (0.75)
Sequoyah County Gore	21	0155CST			0	0	?	?	Hail (0.75)
Cherokee County Peggs	21	0200CST			0	0	?	?	Hail (0.88)
Sequoyah County Gore	21	0213CST			0	0	?	?	Hail (0.75)
Adair County Stilwell	21	0215CST			0	0	?	?	Hail (0.75)
Sequoyah County Vian	21	0225CST			0	0	?	?	Hail (0.75)
Sequoyah County Gore	21	0230CST			0	0	?	?	Hail (1.75)
LeFlore County Heavener	21	0400CST			0	0	?	?	Hail (0.75)

Thunderstorms produced many reports of large hail. Softball-size hail fell in Honobia in Pushmataha County.

Beaver County Beaver	23	1810CST			0	0	?	?	Hail (1.75)
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A thunderstorm in the eastern Oklahoma Panhandle produced golf ball-size hail.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Beckham County Mayfield	24	2145CST			0	0	?	?	Hail (1.75)
Beckham County Erick	24	2233CST			0	0	?	?	Hail (1.00)
Caddo County Anadarko	25	0015CST			0	0	?	?	Thunderstorm Wind

Thunderstorms in southwest Oklahoma produced golf ball-size hail and strong winds. In Anadarko, the roof was blown off a hotel, 10 homes suffered roof damage, and trees and power poles were downed by straight-line winds.

Osage County Fairfax	26	0458CST			0	0	?	?	Hail (0.75)
Pawnee County Ralston	26	0535CST			0	0	?	?	Hail (1.75)
Osage County Pawhuska	26	0630CST			0	0	?	?	Hail (0.75)
Osage County 5 W Bartlesville	26	0725CST			0	0	?	?	Hail (0.75)
Washington County Bartlesville	26	0737CST			0	0	?	?	Hail (1.75)
Washington County Bartlesville	26	0805CST			0	0	?	?	Hail (1.00)
Nowata County Nowata	26	0820CST			0	0	?	?	Hail (0.75)

Early morning thunderstorms produced hail up to golf ball-size.

Major County 5 NE Ames	26	1640CST			0	0	?	?	Hail (0.88)
Garfield County Drummond	26	1655CST			0	0	?	?	Hail (0.75)
Garfield County 2 N Rison	26	1730CST			0	0	?	?	Hail (0.88)
Kingfisher County Kingfisher	26	1807CST			0	0	?	?	Hail (1.75)
Kingfisher County Kingfisher	26	1825CST			0	0	?	?	Hail (1.00)
Canadian County Okarche	26	1843CST			0	0	?	?	Thunderstorm Wind
Canadian County 1 N Concho	26	1851CST	0.01	25	0	0	?	?	Tornado (F0)
Oklahoma County (PWA) Wiley Post	26	1859CST			0	0	?	?	Thunderstorm Wind (G52)
Caddo County 2 E Hinton	26	1900CST	3	200	0	0	5	?	Tornado (F3)
Canadian County Okarche	26	1905CST			0	0	?	?	Thunderstorm Wind (G52)
Canadian County Okarche	26	1905CST			0	0	?	?	Hail (0.75)
Canadian County Piedmont	26	1921CST			0	0	?	?	Thunderstorm Wind (G65)
Canadian County El Reno	26	1937CST			0	0	?	?	Thunderstorm Wind (G61)
Canadian County Yukon	26	1940CST			0	0	?	?	Thunderstorm Wind (G56)
Canadian County El Reno	26	1946CST			0	0	?	?	Hail (0.75)
Oklahoma County Nw Oklahoma City	26	1948CST			0	0	?	?	Thunderstorm Wind (G65)
Caddo County 2 E Binger	26	1955CST	2	200	0	0	4	?	Tornado (F2)



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Grady County Minco	26	2000CST			0	0	?	?	Hail (3.00)
Canadian County Mustang	26	2010CST			0	0	?	?	Hail (0.75)
Caddo County Gracemont	26	2020CST			0	0	?	?	Hail (2.75)
Canadian County El Reno	26	2023CST			0	0	?	?	Hail (1.00)
Oklahoma County Oklahoma City	26	2030CST			0	0	?	?	Thunderstorm Wind (G56)
Noble County Noble County	26	2040CST			0	0	?	?	Hail (0.75)
Grady County 5 NW Chickasha	26	2042CST			0	0	?	?	Hail (1.75)
Cleveland County 5 NE Norman	26	2100CST			0	0	?	?	Thunderstorm Wind
McClain County Blanchard	26	2100CST			0	0	?	?	Thunderstorm Wind (G74)
McClain County Blanchard	26	2100CST			0	0	?	?	Hail (0.75)
Pottawatomie County 8 W Shawnee	26	2130CST			0	0	?	?	Hail (0.88)
McClain County 5 SW Purcell	26	2130CST			0	0	?	?	Hail (0.88)
Cleveland County 1 SE Noble	26	2137CST			0	0	?	?	Hail (0.88)
Creek County S Bristow	26	2145CST			0	0	?	?	Hail (0.75)
Okmulgee County Nw Henryetta	26	2200CST			0	0	?	?	Hail (0.75)
Stephens County 2 N Marlow	26	2210CST			0	0	?	?	Hail (0.75)
Cleveland County 4 SE Corbett	26	2215CST			0	0	?	?	Hail (0.75)
Hughes County Holdenville	26	2230CST			0	0	?	?	Thunderstorm Wind (G61)
Grady County 4 SW Cox City	26	2240CST			0	0	?	?	Hail (1.75)
Hughes County Dustin	26	2245CST			0	0	?	?	Hail (0.88)
Pontotoc County Ada	26	2245CST			0	0	?	?	Hail (0.75)
Seminole County 4 S Wewoka	26	2245CST			0	0	?	?	Hail (0.75)
Garvin County Purdy	26	2300CST			0	0	?	?	Hail (1.75)
Pontotoc County Fittstown	26	2315CST			0	0	?	?	Hail (0.75)
McIntosh County Eufaula	26	2325CST			0	0	?	?	Thunderstorm Wind (G52)
Coal County Tupelo	26	2330CST			0	0	?	?	Hail (1.00)
Pittsburgh County 12 E (MCL)									
McAlester	26	2330CST			0	0	?	?	Thunderstorm Wind (G52)
Haskell County Whitefield	26	2335CST			0	0	?	?	Thunderstorm Wind (G52)
Johnston County 4 S Pontotoc	27	0000CST			0	0	?	?	Thunderstorm Wind
Johnson County 4 S Pontotoc	27	0000CST			0	0	?	?	Hail (0.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Coal County Bromide	27	0015CST			0	0	?	?	Thunderstorm Wind (G56)
Coal County 3 N Clarita	27	0015CST			0	0	?	?	Hail (1.00)
McCurtain County McCurtain County	27	0100CST			0	0	?	?	Thunderstorm Wind
McCurtain County Smithville	27	0110CST			0	0	?	?	Hail (1.00)
Atoka County 2 S Farris	27	0145CST			0	0	?	?	Thunderstorm Wind
MCCurtain County 5 N Idabel	27	0150CST			0	0	?	?	Thunderstorm Wind
McCurtain County 5 N Idabel	27	0150CST			0	0	?	?	Hail (0.88)
Okfuskee County 1 N Okemah	27	0255CST			0	0	?	?	Hail (0.75)
McIntosh County 4 E Eufaula	27	0330CST			0	0	?	?	Hail (0.75)

Thunderstorms produced three tornadoes, large hail, and many reports of strong straight-line winds. An F0 tornado touched down briefly just north of Concho in an open field with no reports of damage. An F3 tornado touched down two miles east of Hinton, moved southeast, then west, and eventually turned south. At least four homes were destroyed, several outbuildings demolished, and several vehicles were destroyed. Two pick-ups were rolled 100 yards. There were many downed power lines and trees in the area east of Hinton. An F2 tornado touched down two miles east of Binger and moved east-southeast. A barn was destroyed and the roof and porch of a nearby home was destroyed. In addition, there were many uprooted trees. Strong winds downed trees south of Pontotoc, two miles south of Ferris, near Okarche, in Blanchard, and in McCurtain County. A trailer was damaged five miles northeast of Norman. In the Oklahoma City metropolitan area, there were many reports of downed power lines and damage to windows and signs.

Harmon County Vinson	29	1210CST			0	0	?	?	Hail (0.75)
Greer County 6 N Granite	29	1315CST			0	0	?	?	Hail (0.75)
Greer County 6 N Granite	29	1315CST			0	0	?	?	Thunderstorm Wind (G56)
Beckham County 9 SE Carter	29	1315CST			0	0	?	?	Hail (1.00)
Beckham County 9 SE Carter	29	1315CST			0	0	?	?	Thunderstorm Wind (G56)
Washita County Sentinel	29	1330CST			0	0	?	?	Thunderstorm Wind (G56)
Kiowa County Hobart	29	1336CST			0	0	?	?	Thunderstorm Wind (G78)
Kiowa County 6 N Lone Wolf	29	1345CST			0	0	?	?	Thunderstorm Wind (G61)
Washita County 2 NE Rocky	29	1400CST			0	0	?	?	Hail (1.00)
Kingfisher County 3 E Omega	29	1835CST			0	0	?	?	Thunderstorm Wind (G52)
Washita County 6 N Colony	29	1845CST			0	0	?	?	Thunderstorm Wind (G61)
Kiowa County 1 N Hobart	29	1846CST			0	0	?	?	Thunderstorm Wind
Custer County 3 SE Weatherford	29	1846CST			0	0	?	?	Thunderstorm Wind (G65)
Custer County Weatherford	29	1850CST			0	0	?	?	Hail (0.75)
Caddo County 2 NW Hydro	29	1855CST			0	0	?	?	Thunderstorm Wind (G61)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## OKLAHOMA Cont'd

Caddo County Hydro	29	1858CST			0	0	?	?	Thunderstorm Wind (G52)
Beaver County Near Forgan	29	1900CST			0	0	?	?	Thunderstorm Wind
Kiowa County Gotebo	29	1910CST			0	0	?	?	Thunderstorm Wind (G52)
Washita County 4 S Cowden	29	1920CST			0	0	?	?	Thunderstorm Wind
Caddo County 2 W Binger	29	1940CST			0	0	?	?	Thunderstorm Wind (G52)
Caddo County 3 S Carnegie	29	1940CST			0	0	?	?	Thunderstorm Wind (G54)
Grady County 5 SW Minco	29	2020CST			0	0	?	?	Thunderstorm Wind (G52)
Canadian County 4 S El Reno	29	2030CST			0	0	?	?	Thunderstorm Wind (G52)
Canadian County E Canadian County	29	2048CST			0	0	?	?	Thunderstorm Wind (G61)
Grady County N Grady County	29	2048CST			0	0	?	?	Thunderstorm Wind (G61)
Custer County 2 N Clinton	29	2100CST			0	0	?	?	Hail (1.00)
Jackson County (LTS) Altus AFB	29	2130CST			0	0	?	?	Thunderstorm Wind (G55)
Cleveland County Western Norman	29	2130CST			0	0	?	?	Thunderstorm Wind
Cleveland County 2 NE Norman	29	2133CST			0	0	?	?	Thunderstorm Wind (G52)
Caddo County 2 S Apache	29	2330CST			0	0	?	?	Thunderstorm Wind (G61)
Caddo County 10 N Medicine Park	29	2330CST			0	0	?	?	Thunderstorm Wind (G61)
Cotton County Temple	30	0100CST			0	0	?	?	Hail (0.75)

Thunderstorms produced strong, damaging winds, and large hail. In Hobart, measured wind gusts of 78 knots blew the roof off the Hobart Medical Center, damaged a local radio station tower, and uprooted trees. Trees were also uprooted six miles north of Lone Wolf, in Hydro, southwest of Minco, and four miles south of Cowden.

Bryan County 9 W Durant	30	1535CST			0	0	?	?	Hail (0.75)
Bryan County 9 W Durant	30	1535CST			0	0	?	?	Thunderstorm Wind
Bryan County Utica	30	1605CST			0	0	?	?	Hail (0.75)
Atoka County Bentley	30	1615CST			0	0	?	?	Hail (1.75)
Bryan County Wade	30	1645CST			0	0	?	?	Hail (0.75)

Thunderstorms in southeast Oklahoma produced golf ball-size hail and strong winds. Trees and power lines were downed nine miles west of Durant.

Texas County 3 SE Hardesty	31	1700CST			0	0	?	?	Hail (1.75)
Harmon County 4 NW Vinson	31	2010CST			0	0	?	?	Hail (1.00)
Greer County Northern Portion	31	2010CST- 2330CST			0	0	?	?	Flash Flood

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
		LOCAL STANDARD			KILLED	INJURED	PROBABLY	CRODS	

## OKLAHOMA Cont'd

Harmon County Countywide	31	2010CST- 2330CST			0	0	?	?	Flash Flood
Harmon County 9 N Hollis	31	2030CST			0	0	?	?	Thunderstorm Wind
Greer County 2 N Reed	31	2045CST			0	0	?	?	Hail (1.75)
Greer County 2 N Reed	31	2045CST			0	0	?	?	Thunderstorm Wind
Harmon County 9 N Hollis	31	2130CST			0	0	?	?	Thunderstorm Wind
Jackson County Duke	31	2130CST			0	0	?	?	Hail (1.75)
Greer County Near Mangum	31	2145CST			0	0	?	?	Thunderstorm Wind (G56)
Tillman County Frederick	31	2217CST			0	0	?	?	Thunderstorm Wind (G56)
Tillman County Davidson	31	2230CST			0	0	?	?	Thunderstorm Wind (G56)
Texas County 3 SE Hardesty	31	1700CST			0	0	?	?	Hail (1.75)

Thunderstorms in the panhandle and southwest Oklahoma produced damaging winds, large hail, and flash flooding. The roof was blown off a house and trees were uprooted nine miles north of Hollis, and a workshop was destroyed two miles north of Reed. Trees were also uprooted in Fredrick and Davidson. Very heavy rains of two to four inches on already saturated grounds resulted in flash flooding in portions of Greer and Harmon counties. Several roads were closed for up to six hours.

## OREGON

ORZ004, 009, 013

Willamette Valley, South Cascades, S. Central OR	23	1200PST 2400PST			0	0	?	?	Funnel Cloud Heavy Rain Snow
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A cold spring low pressure center moved east through Oregon during the day producing unstable weather over a large area. Between 1230 and 1400 PDT at least three funnel clouds were sited in Linn County near Albany. No one could confirm that any touched the ground. One man videotaped a long funnel that was parallel to the cloud base for five minutes. Over the south Cascades up to an inch of rain and four inches of wet snow fell at Crater Lake National Park. At Klamath Falls a new all-time precipitation record for May 23rd was established when 0.96 inch fell within 24 hours. The average May total in Klamath Falls is 0.86 inch.

## PENNSYLVANIA, Eastern

Franklin County

Near Waynesboro	10	1300EST			0	0	4	?	Thunderstorm Wind
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Thunderstorm wind gusts uprooted trees and downed power lines at Buchannon Trail East and trees were downed at Charmaign Road, both in Washington Township. Roofs were partially blown off or damaged on several houses, a barn, and a garage.

Adams County

Cashtown	10	1402EST			0	0	3	?	Thunderstorm Wind
Fairfield	10	1407EST			0	0	3	?	Thunderstorm Wind

Thunderstorm wind gusts downed trees and power lines in Cashtown and Fairfield.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## PENNSYLVANIA, Eastern Cont'd

**Cumberland County**  
**Mechanicsburg**    10 1425EST                            0   0    4   ?    **Thunderstorm Wind**

Between 1415 EST and 1435 EST thunderstorm wind gusts brought down a tree onto an automobile. This was in the Hampton Township area of Mechanicsburg, which is the northeast portion.

**Cumberland County**  
**1 SW**  
**Mechanicsburg**    13 1730EST                            0   0    3   0    **Thunderstorm Wind**  
**1 S Carlisle**        13 1735EST                            0   0    3   0    **Thunderstorm Wind**

Thunderstorm wind gusts brought a tree down on a house in Monroe Township just southwest of Mechanicsburg. Between 1730 EST and 1740 EST, 15 tree tops were twisted off in South Middleton Township just south of Carlisle.

**York County**  
**1.5 W Yocumtown to**  
**0.5 SE Yocumtown** 13 1810EST    2.0    40    0   0    6   ?    **Tornado (F1)**

The tornado first touched down just west of Interstate 83 and was on the ground or tree top level for approximately two miles and was 40 yards wide. The tornado first touched down in a field and then after moving across Interstate 83 caused damage in Valley Green Mall; mostly blown out glass and downed signs. One sign was a large motel sign which was blown over along with its steel pole. A tractor-semitrailer truck was blown over in the parking lot and other automobiles were moved about. After this, substantial damage occurred at the Valley Green Townhouse Subdivision, where three houses were unroofed and, at least, five automobiles had their windows blown out. Minor damage was sustained by 15 to 20 other townhouses; mostly siding blown off or damaged by flying debris. Construction materials were blown about and into houses. Automobile parts were blown out of an auto junkyard. The tornado lifted about one-half mile southeast of Yocumtown after taking the roof off another house and destroying a barn. There were some trees down farther east, especially right along the Susquehanna River, but it appeared to have been caused by straight-line winds.

**Lycoming County**  
**1 E Montgomery**    13 1840EST                            0   0    4   ?    **Thunderstorm Wind**

Thunderstorm wind gusts destroyed the tin roof on a barn addition and blew off part of the barn roof. Two sliding doors were blown completely off the barn. A pickup truck camper was blown off leg supports and onto an automobile. Debris from the barn damaged a pickup truck. One tree was down and large branches were off another.

**Lancaster County**  
**Newville to**  
**1 SE Rheems**        13 1845EST                            4.0    75    0   0    4   0    **Tornado (F0)**

A tornado touched down several times as it moved across West Donegal Township and just into Mount Joy Township. It first touched down in Newville and uprooted trees. Trees were also uprooted and a boat moved in Elizabethtown. In Rheems, the top of a huge maple tree was ripped off, a shed was blown apart with pieces scattered about, siding was ripped off the top of the firehouse, trees were uprooted and twisted, and one house had a portion of the roof torn off. In Mount Joy Township, just southeast of Rheems, a large sign was blown down on top of an automobile and a traffic light standard was twisted. At least 100 large trees were uprooted in all. It is possible that this tornado was produced by the same thunderstorm that produced the tornado in York County or may even have been a later touchdown of the same tornado.

**Luzerne County**    16 2000EST                            0   0    4   0    **Flood**

Light rain had fallen, at least, off and on from around midnight. Then heavy thunderstorm downpours occurred from late morning into the afternoon. Rainfall amounts of 2.50 to 3.50 inches occurred. Many roads, fields, yards, parking areas, and basements were flooded in the southern part of Luzerne County. Some roads and small bridges were washed out or damaged. The Little Nescopeck Creek overflowed its banks in many spots. Flooding occurred between 2000 and 2200 EST. The flooding occurred in Conyngham Borough, Drums, and parts of Hazelton; also in Sugarleaf and Butler Townships.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## PENNSYLVANIA, Eastern Cont'd

**Tioga County  
Knoxville** 17 1309EST 0 0 3 0 **Thunderstorm Wind**

Thunderstorm wind gusts downed trees and utility lines.

**Lycoming County**  
**South Williamsport** 17 1341EST 0 0 3 0 **Thunderstorm Wind**  
**Williamsport** 17 1342EST 0 0 3 0 **Thunderstorm Wind**  
**5 SW Williamsport** 17 1343EST 0 0 3 0 **Thunderstorm Wind**  
**2 E Williamsport** 17 1348EST 0 0 3 0 **Thunderstorm Wind**  
**South Williamsport** 17 1357EST 0 0 3 0 **Thunderstorm Wind**  
**3 E Williamsport** 17 1405EST 0 0 3 0 **Thunderstorm Wind**  
**Muncy** 17 1409EST 0 0 3 0 **Thunderstorm Wind**

Thunderstorm wind gusts brought down trees and utility lines in South Williamsport, southwest and east of Williamsport and in Muncy. A tree was brought down on a house in Williamsport.

**Carbon, Lehigh,  
Northampton  
Counties** 17 0200EST 0 0 4 0 **Heavy Rain  
Flooding**

Heavy rain of one to three inches caused minor flooding along the Lehigh River. At Wainut Port, the river reached a stage of 8.25 feet with the flood stage at 8.0 feet. There also was some flooding along some small streams, on roadways and in other areas of poor drainage. Mud and rock slides closed a portion of Route 248 in Lehigh Gap. Flooding occurred from 0200 to 1600 EST.

**Chester County** 29 1243EST 0 0 ? 0 **Flash Flood**

Heavy rain caused flash flooding along Valey Creek from 1243 to 1430 EST. There were areas of urban flooding as well.

**Lehigh, Northampton,  
Bucks, Montgomery,  
Chester, Delaware  
Counties** 29 1300EST **Heavy Rain**  
30 0700EST 0 0 ? 0 **Flooding**

Excessive rain of 2.50 to 4.50 inches, most of which fell in less than 12 hours, caused widespread urban and small stream flooding and some basement flooding. There also was some flooding along larger streams. The Perkiomen Creek at Graterford crested at 13.0 feet, two feet above flood stage of 11.0 feet. The Brandywine Creek at Downingtown crested at 8.47 feet with flood stage at 7.0 feet and at Chadds Ford crested at 9.18 feet, just above flood stage of 9.0 feet. The Neshaminy Creek at Langhorne crested at 10.05 feet with flood stage at 9.0 feet. The Chester Creek at Chester crested at 8.47 feet with flood stage at 8.0 feet. Some of the heavier rainfall amounts in inches were: in Lehigh County, Saucen Valley 4.60, West Allentown 4.05, Whitehall 2.80, West Bethlehem 2.70, and Emmaus 2.50; in Northampton County, Nazareth 2.60; Springtown Hill on the Northampton-Bucks County line 3.73; in Chester County, Valley Forge 3.32, Hopewell Village 3.31, Phoenixville 3.05, Downingtown 2.99, Medena 3.11, Glenmoore 2.96, Exton 2.92, Honey Brook 2.70; in Montgomery County, Greenlane 3.53, Graterford 3.90; in Bucks County, Doylestown 2.64, Willow Grove NAS 2.51. A six-year-old boy drowned in a rain swollen stream. He and his brother were trying to cross the stream on a tree branch. They fell into the stream when the branch broke.

**Butler County  
Butler** 15 1600EST 0 0 0 0 0 0 **Flash Flood**

Street and basement flooding occurred in Butler.

**Fayette County  
12 S  
Uniontown** 16 1700EST 0 0 0 0 0 0 **Thunderstorm Wind**

Power lines were down and power was cut to 560 homes in Pt. Marion.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## PENNSYLVANIA, Western

**Allegheny County**  
12 N Pit      20 2115EST      0      0      0      0      0      0      Flash Flood

There was a landslide on Rt. 65 below Interstate 79 interchange from heavy rain.

## RHODE ISLAND

None reported.

## SOUTH CAROLINA

<b>Spartanburg County</b> N of Fingerville 3 W Chesnee	01	1822EST			0	0	?	?	Hail (0.75)
	01	1830EST			0	0	?	?	Hail (1.75)
<b>Oconee County</b> Westminister and Walhalla	01	1830EST			0	0	?	?	Thunderstorm Winds
<b>Spartanburg County</b> Chesnee	01	1845EST			0	0	?	?	Hail (0.75)
<b>Cherokee County</b> Battleground Area 3E Chesnee	01	1855EST			0	0	?	?	Hail (0.88)
<b>Spartanburg County</b> Mayo	01	1900EST			0	0	?	?	Hail (0.75)
<b>Greenville County</b> N Saluda Reservoir Water Plant	01	1915EST			0	0	?	?	Hail (0.75)

Severe thunderstorms, for the most part, moved along the North Carolina, South Carolina border with just a few becoming severe in the upstate. Large hail was the most frequent result but a few trees and power lines were blown down in western sections.

<b>Cherokee County</b> Blacksburg Gaffney	02	1930EST			0	0	3	?	Thunderstorm Winds
	02	1938EST			0	0	?	?	Hail (1.25)

Thunderstorms developed over extreme northern Greenville County and moved across northern Spartanburg County and became severe over Cherokee County. Marble-size hail fell and thunderstorm winds broke off limbs in several areas of Landrum. Dime to quarter-size hail fell ten to 15 minutes in and around Gaffney.

<b>Greenwood County</b> Ware Shoals	04	1540EST			0	0	?	?	Hail (1.75)
<b>Spartanburg County</b> Spartanburg	04	1600EST			0	0	2	0	Thunderstorm Winds Hail (1.00)
<b>Laurens County</b> 2 N Gray Court 3 SSW Laurens Near Clinton	04	1610EST			0	0	?	?	Hail (0.88)
	04	1645EST	0.1	20	0	0	3	0	Tornado (FO)
	04	1708EST			0	0	0	0	Funnel Cloud

Numerous thunderstorms developed across the upstate area and a few became marginally severe in a random fashion. Law enforcement officers observed a small tornado touch down briefly from one of the storms near Laurens, then tracked the storm to the northeast and watched a small funnel cloud for a while as the storm weakened. The tornado moved from near Interstate 26 and touched down on Bethel Church Road causing some damage to a swimming pool and to tombstones in a cemetery.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## SOUTH CAROLINA Cont'd

Bamberg County Rivers Bridge State Park	05	1620EST			0	0	?	?	Thunderstorm Winds
Dorchester County Givhans Ferry State Park	05	1640EST			0	0	?	?	Hail (1.25)
Jedburg	05	1708EST			0	0	?	?	Thunderstorm Winds Hail (1.25)
Summerville	05	1715EST			0	0	?	?	Hail (1.00)
Berkeley County Sangree	05	1715EST			0	0	?	?	Hail (1.00)

At Givhans Ferry State Park and Jedburg, golf ball-size hail was reported. In Jedburg, thunderstorm winds blew down a few small limbs. At Sangree and Summerville, a spotter reported pea-size to one-inch hail.

Orangeburg County Branchville	05	1645EST			0	0	?	?	Hail (unk) & Thunderstorm Winds
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A severe thunderstorm developed over Bamberg County and moved into Orangeburg County. Near Rivers Bridge State Park in Bamberg County, large trees were blown down. In Branchville hail fell and there was some wind damage to trees. Trees blocked U.S. Hwy. 78 in Branchville.

Horry County Mt. Vernon Comm.	12	1230EST			0	0	4		Thunderstorm Winds
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Thunderstorm winds blew a house off its foundation.

Saluda County 13 ENE Saluda	17	1400EST			0	0	?	?	Thunderstorm Winds
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Trees were blown down on power lines.

Pickens County Easley	20	1430EST			0	0	3	0	Lightning
Oconee County Westminster	20	1600EST			0	0	?	0	Thunderstorm Winds
Anderson County Sandy Springs	20	1630EST			0	0	?	0	Thunderstorm Winds
Iva	20	1658EST			0	0	?	0	Lightning
Laurens County Barksdale	20	1705EST			0	0	4	0	Thunderstorm Winds
Bethel Church Community	20	1715EST			0	0	4	0	Thunderstorm Winds

Weakening severe thunderstorms crossed from Georgia into the upstate causing mostly minor damage. In Easley, lightning caused damage to the communications system of the police department and disrupted electrical service to approximately 200 customers. A few trees were blown down in Oconee and Anderson counties. At Iva, a barn was set on fire after lightning struck it, and the grass underneath. Damage estimates from that fire are not available. In Laurens County, at Barksdale, a carport and wall of a house were damaged. At the Bethel Church Community, there was relatively mild damage to housetops and rearranging of lawn furniture and other small objects in people's yards.

Cherokee County 2N of Gaffney on SC Hwy 11	21	1625EST			0	0	?	?	Hail (1.75)
Gaffney	21	1708EST			0	0	?	?	Hail (1.00)
Blacksburg	21	1708EST			0	0	?	?	Hail (0.75)
York County Smyrna	21	1708EST			0	0	?	?	Hail (0.75)



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## SOUTH CAROLINA Cont'd

Cherokee County Gaffney	21	1720EST			0	0	?	?	Hail (1.75)
York County Sharon	21	1745EST			0	0	?	?	Hail (2.00)
Rock Hill	21	1800EST			0	0	0	0	Urban Flooding Lightning
York County Rock Hill	21	1807EST			0	0	?	?	Hail (1.00)
	21	1815EST			0	0	0	0	Hail (1.00)
Lancaster County Northern portions	21	1925EST			0	0	?	?	Hail (1.25)
Northern portions	21	1958EST			0	0	?	?	Hail (1.25)

A multi-cell severe thunderstorm (which developed from a parent storm in Cleveland County, North Carolina) produced widespread hail and high winds in the northern portions of Cherokee, York, and Lancaster counties. The cooperative observer at Catawba, York County, measured a little more than one inch of rain in 45 minutes, and the cooperative observer at Winthrop College, York County, reported a few showers and pea-size hail. Hail of up to two inches in diameter was reported in the affected areas, and blanketed the ground in several areas of Cherokee and York counties. Lightning caused a few problems in Rock Hill, including taking the bark off a long strip of an oak tree. Hail laid bare 35 acres of grape vines, 25 acres of peaches, and 50 acres of cotton, leaving two inches of hail on the ground on one farm in the town of York. Lightning caused scattered power outages throughout the county. Urban areas of poor drainage flooded during the storm.

Georgetown County Garden City	23	1830EST			0	0	?	0	Coastal Flooding
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High tides caused the inlet in Garden City to overflow, filling some streets with one to two feet of water.

Georgetown County Garden City	27	1530EST			0	0	?	0	Lightning
Dorchester County 5 E Cottageville	27	1721EST			0	0	?	?	Hail (1.00) Thunderstorm Winds
Summerville	27	1735EST			0	0	4	0	Lightning
Colleton County 2 S Walterboro on SC Hwy 303	27	1830EST			0	0	?	?	Thunderstorm Winds
Beaufort County Sheldon	27	1900EST			0	0	?	?	Thunderstorm Winds

Several severe thunderstorms developed over parts of coastal South Carolina. At Garden City, a business establishment was set afire after lightning struck it. Damage was confined to the insulation ducts. In Dorchester County one-inch hail and blown down trees were reported along U.S. Hwy 17A five miles east of Cottageville. In Summerville, a lightning-caused fire destroyed a home. Two miles south of Walterboro, the sheriff reported numerous trees down along S.C. Hwy 303. At Sheldon, thunderstorm winds blew down three trees on U.S. Hwy 17, one large tree on Old Sheldon Church Road, and another on a county secondary road.

Aiken County Aiken	28	1130EST			0	0	2	0	Thunderstorm Winds Lightning
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Thunderstorm winds blew in windows of a classroom at the back of Kennedy Middle School. Lightning caused scattered power outages throughout the county.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## SOUTH CAROLINA Cont'd

<b>Bamberg County</b> Bamberg	28	1320EST			0	0	?	?	Hail (1.00)
Hail was reported.									
<b>Clarendon County</b> Turbeville & New Zion	28	1430EST			0	0	?	?	Thunderstorm Winds
Several trees were blown down. A tree was blown down across Clarendon County Secondary Road 45.									
<b>Orangeburg County</b> Bowman	28	PM			0	0	4	0	Lightning
Lightning struck a tree, killing 18 pregnant heifers that had sought shelter underneath it. The cows were discovered at 1930 EST, and valued at \$30,000.									
<b>Union County</b> 1 W Sedalia	28	1658EST			0	0	?	?	Hail (1.00)
A thunderstorm briefly became severe when it produced quarter-size hail in western Union County.									
<b>Anderson County</b> Iva	28	1815EST			0	0	?	0	Lightning
<b>Greenwood County</b> Greenwood	28	1815EST			0	0	?	0	Lightning Urban Flooding
A series of marginally severe thunderstorms left approximately 2,000 customers without power after lightning struck two substations, one in Iva, and the other in Greenwood. Some roads in Greenwood had been flooded with two to three inches of standing water in them.									
<b>Aiken County</b> Countywide	28	1900EST			0	0	?	?	Thunderstorm Winds Lightning Urban Flooding
The thunderstorm area that developed over the upstate earlier in the day moved over the county, causing damage to power lines, trees, and street flooding.									

## SOUTH DAKOTA

<b>Fall River County</b> 10 W Hot Springs	13	1655MST			0	0	0	0	Funnel Cloud
<b>Potter County</b> Gettysburg	18	1420CST			0	0	?	0	Thunderstorm Wind (G52)
A portion of a roof top was blown from a vacant building in Gettysburg causing damage to the building and minor damage to other buildings in the vicinity.									
<b>Sanborn County</b> Artesian	18	1610CST			0	0	0	0	Hail (1.00)
<b>Miner County</b> Howard	18	1650CST			0	0	0	0	Hail (0.75)
<b>Day County</b> 18 NE Webster	18	1710CST			0	0	?	0	Lightning
A large tree was struck by lightning and then fell onto a trailer house at Pickerel Lake causing extensive damage.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## SOUTH DAKOTA Cont'd

<b>Bennett County</b> S Martin	<b>18</b>	<b>1817MST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Wind (G78)</b>
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Strong winds estimated up to 90 mph tore through parts of Bennett County just south of Martin producing widespread minor damage in its wake. The damage was confined mainly to old or unsecured farm buildings.

Brown County 5 NW Aberdeen	<b>22</b>	<b>1410CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
Marshall County Langford	<b>22</b>	<b>1635CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
Day County 2 E Pierpont	<b>22</b>	<b>1645CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.25)</b>
Day County 7 E Pierpont	<b>22</b>	<b>1710CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
Codington County South Shore	<b>22</b>	<b>1825CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
Duel County 24 W Watertown	<b>22</b>	<b>1850CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
Codington County W Watertown	<b>22</b>	<b>1914CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
Codington County 1 NE Watertown	<b>22</b>	<b>1920CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
Clark County Bradley	<b>22</b>	<b>1930CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.00)</b>
Charles Mix County Lake Andes	<b>22</b>	<b>2128CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
Charles Mix County Platte	<b>22</b>	<b>2145CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind (G60)</b>
Clay County 1 W Vermillion	<b>23</b>	<b>0001CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.25)</b>
Pennington County 12 SE Rapid City	<b>24</b>	<b>1445MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>

A control tower operator at the Rapid City Regional Airport observed a funnel cloud four miles east of the airport.

Meade County 12 NE Rapid City	<b>24</b>	<b>1517MST</b>	<b>0.5</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Tornado (F0)</b>
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A weather observer at Ellsworth AFB reported a tornado three miles northeast of the base.

Meade County 10 N Rapid City	<b>24</b>	<b>1530MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
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The Rapid City Police received a report of three funnel clouds north of Rapid City, five to ten miles north of Interstate 90.

Custer County Buffalo Gap	<b>24</b>	<b>1700MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>
Fall River County 5 W Hot Springs	<b>24</b>	<b>1730MST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (1.75)</b>

## TENNESSEE

Fentress County	<b>01</b>	<b>1130CST</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Lightning</b>
Bledsoe County	<b>01</b>	<b>1330CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
Rhea County	<b>01</b>	<b>1340CST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Hail (0.75)</b>
Scott County	<b>01</b>	<b>1400CST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Greene County	<b>01</b>	<b>1425CST</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>Hail (1.75)</b>
		<b>1428CST</b>			<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>Thunderstorm Wind</b>

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## TENNESSEE Cont'd

Hamilton County	01	1430CST			0	0	3	0	Thunderstorm Wind
McMinn County	01	1430CST			0	0	3	0	Thunderstorm Wind
Marion County	01	1435CST			0	0	3	0	Thunderstorm Wind
Unicoi County	01	1452CST			0	0	4	0	Hail (2.75)
		1455CST			0	0	2	0	Thunderstorm Wind

Knox County	01	1715CST			0	0	4	0	Lightning
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Lots of damage was reported this day from severe thunderstorms across east Tennessee. Hail damage was done to numerous cars and property at Erwin in Unicoi County. Strong winds broke down tree limbs and power lines here and in Marion, Hamilton, and McMinn counties. In Knox County, lightning struck a condo, damaging the roof and starting a fire. In Scott County, a mobile home sustained roof damage from the winds. A man was killed near Jamestown in Fentress County after being struck by lightning while working outside. (M350)

McMinn County	02	1655CST			0	0	1	0	Hail (0.75)
		1730CST			0	0	1	0	Hail (0.75)
Hamilton County	03	200CST			0	0	2	0	Hail (1.00)
					0	0	3	0	Thunderstorm Wind

Numerous trees and power lines down in the Chattanooga area.

Bradley County	03	1940CST			0	0	1	0	Hail (0.75)
Chester County	12	1100CST			0	0	3	0	Thunderstorm Wind

Thunderstorms damaged trees, an equipment shed, and power lines near Henderson.

Blount County	13	0000CST			0	0	3	0	Wind
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Several trees felled from strong winds caused power outages around Maryville.

Sumner County	16	2245CST			0	0	2	0	Thunderstorm Wind
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Strong winds downed power lines in Gallatin.

Hamblen County	17	0200CST			0	0	2	0	Thunderstorm Wind
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Trees were downed northeast of Morristown.

Grundy County	17	2330CST			0	0	2	0	Thunderstorm Wind
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A thunderstorm took the roof off a trailer in Coalmont.

Jefferson County	17	0230CST			0	0	2	0	Thunderstorm Wind
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Strong thunderstorm winds tore the roof off a mobile home in White Pine and knocked down numerous trees.

Crockett County	19	1600CST			0	0	2	0	Thunderstorm Wind
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Strong winds uprooted trees and downed a police tower in Bells.

Lauderdale County	19	1600CST			0	1	2	0	Thunderstorm Wind
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Strong winds uprooted trees near Ripley.

Carter County	20	0200CST			0	0	3	0	Thunderstorm Wind
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Near Charity Hill, thunderstorm winds toppled trees and picked up a utility building, slamming it against a house. Also, a trailer was blown off its foundation.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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## TENNESSEE Cont'd

Lawrence County  
3 SSE of  
Summertown

20 1445CST-  
1449CST 1.5 40 0 0 4 0 Tornado (F1)

A small tornado traveled northeast 1.5 miles from Brace Road to Old Highway 43, which is two miles southeast of Summertown. It demolished a garage, the sides, porch, and roof of a mobile home and numerous trees along its path.

Fayette County

21 0300CST 0 0 4 0 Lightning

Lightning struck a farm equipment building in Macon, causing a fire which subsequently destroyed the building and its contents.

Lake County

21 0300CST 0 0 5 0 Thunderstorm Wind

A strong thunderstorm downburst left a two-mile-long path of destruction from New Markham to Grays Camp on the north shore of Reelfoot Lake. A barn was partially destroyed, a trailer flipped on its side, several boats damaged, and numerous large trees snapped along the path of the down burst.

Sumner County

27 1400CST 0 0 5 0 Thunderstorm Wind  
Lightning

Lightning struck the Talley-Beals home in Hendersonville, setting the home ablaze. The same storm produced winds that ripped part of the roof off at the newspaper company building in Hartsville.

Hamilton County

27 1335CST 0 0 2 0 Thunderstorm Wind

Power lines were knocked down by thunderstorm winds in Chattanooga.

Bradley County

27 1350CST 0 0 2 0 Thunderstorm Wind

Trees and power lines were blown down near Cleveland.

Gibson County  
5 W of Bradford

27 1430CST  
1432CST 0.8 18 0 0 2 0 Tornado (F0)

A tornado touched down briefly in Gibson County five miles west of Bradford TN. It moved northeasterly for approximately 0.8 of a mile before lifting up. It uprooted several trees, tossed a large hay bail a short distance, moved several junk cars, and rearranged things in the back yard of a farm.

Blount County

28 1430CST 0 0 3 0 Thunderstorm Wind  
1432CST 0 0 0 0 Funnel Cloud

Knox County

28 1435CST 0 0 3 0 Thunderstorm Wind  
1437CST 0 0 0 0 Hail (1.75)

Sevier County

28 1440CST 0 0 3 0 Thunderstorm Wind

Jefferson County

28 1445CST 0 0 3 0 Thunderstorm Wind

Sullivan County

28 1515CST 0 0 3 0 Thunderstorm Wind

Hamblen County

28 1530CST 0 0 3 0 Thunderstorm Wind  
1535CST 0 0 5 0 Flooding

Severe thunderstorms produced widespread damage across these eastern Tennessee counties. The first reports of damage came from Blount County where trees and power lines were downed around Maryville. Also, a funnel cloud was spotted in Louisville. More of the same occurred around the city of Knoxville where golf ball-size hail was also reported in the Sharp's Ridge area. Several trees were also blown over in Sullivan, Sevier, and Jefferson counties, some damaging the roofs of a few homes. In Hamblen County, flooding from the torrential rains caused a house in the Lakeway area to collapse. Apparently, the foundation became critically loose from built up water from the flood's runoff.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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## TEXAS, Northern

Northern Texas 01-31

Northern Texas was setting up for a disastrous flood situation at the end of April from four previous very wet months. Most areas of northern Texas had surpassed the average yearly rainfall totals by the first of May. At the beginning of May, the area water supply reservoirs and flood control reservoirs were either at or above the storage pool or flood pool. Portions of several major rivers including the Trinity River, Brazos River, Red River, Sulphur River, Sabine River, Neches River, and Angelina River were in flood for numerous days in May.

Northern Texas 01-07 0 0 6 ? Flooding

The Brazos River from Abilene to Lake Whitney continued to be above flood stage or bank full stage on May 1st from heavy rains and water releases from water supply and flood control reservoirs. On May 4th, 98% of Lake Whitney's park campgrounds and buildings were either under water or had water standing in the sites with additional water pouring in. Most marinas and boathouses on Lake Whitney were totally submerged with flood waters. In southern Johnson County, the Kimble Bend Bridge between Meridian and Alvarado and State Highway 174 as well as numerous farm to market roads were closed. In Young County the Brazos River flooded Bunger Highway located south of Graham and isolated residents at Gooseneck Bend. Much of the city of Graham was also flooded by the Salt Creek. Flood damage along the Brazos River in Parker and Palo Pinto counties was estimated at \$1.4 million including \$400,000 to a Mineral Wells railroad company.

Northern Texas 04-07 0 0 7 ? Flooding

The heavy rainfall of May 1st through May 4th produced major flooding in northern Texas during the early part of May. Rainfall amounts during this period ranged from five to nine inches over north central sections of northern Texas to two to five inches elsewhere.

The Trinity River at Dallas crested at 47.08 feet at its second highest stage since records began. In south Dallas 200 homes were flooded. In northeast Dallas, four businesses were flooded while 260 businesses were isolated from major thoroughfares. In Carrollton, several homes were evacuated at Sandy Lake Park. In Fort Worth, a golf course along the west fork of the Trinity River was flooded while 200 homes were flooded in the Dido subdivision of Fort Worth. Near McKinney, flood waters from the east fork of the Trinity River isolated Hidden Hills subdivision and Walnut Grove as County Road 168 and Farm to Market Road 2478 were flooded. The Trinity River near Trinidad crested at 47.86 feet at its third highest stage. The Trinity River at Grand Prairie crested 4.61 feet above its flood stage resulting in the flooding of 35 homes and numerous roadway closures. Near Lufkin in Angelina County, the Angelina River flooded homes in the Rivercrest community.

Rising floodwaters from the Red River in northeastern Texas resulted in high water over most farm to market roads in Red River County. The bridge at the intersection of State Highway 37 and the Red River was closed for several days. In Bowie County, a dam breached just northwest of Texarkana and flooding along the Red River produced at least \$5 million damage to 90% of the county's agricultural crops. In Lamar County, U.S. Highway 271 was closed as well as several other roads and bridges. Flood damage was estimated at \$496,000 in Lamar County.

Additional flooding occurred from releases from several reservoirs that either had no flood pools or were above the storage pool. In Tarrant County, approximately 150 homes were flooded along Eagle Mountain Lake. Lake Grapevine flowed over its spillway for only the third time since it opened in the 1950s and flooded a golf course and several roadways in Grapevine and Coppell. In Collin County below Lake Lavon, State Highway 71 was flooded and damaged a railroad below the Lake Lavon Dam. At Lake Bridgeport in Wise County, 15 homes and 12 apartment complexes were flooded at Runaway Bay. In Montague County, flood damage estimates near Lake Nocona included \$127,500 to the Nocona Airport, \$800,000 to county roads and bridges, \$1.25 million to farm dwellings, and \$210,000 to businesses. Thirty-five residences were also flooded in the Frontier Shores area of Amon G. Carter Lake. Farm to Market Road 1125 was flooded near the lake spillway and State Highway 8 was closed between Muenster and Gainesville. In Comanche County, flood damage was estimated at greater than \$300,000 to highways and bridges. In Mills County, the New Horizons Treatment Center was severely damaged by flooding from the Pecan Bayou.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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## TEXAS, Northern Cont'd

**Eastland County** 01 2100CST-  
02 0130CST 0 0 ? ? **Flash Flooding**

Heavy rains of 3.50 inches measured in Gorman resulted in high water over portions of State Highway 6 and 16, U.S. Highway 183, and Farm to Market Roads 8 and 571. Additional flooding was observed in the cities of Gorman and Rising Star, and in the Cocomo area located north of Gorman and east of Carbon.

**Hood County** 01 2115CST  
02 0730CST 0 0 ? ? **Flash Flooding**

Heavy rains of 1.85 inches measured at Granbury resulted in the closing of Farm to Market Road 4 between Lipan and Granbury. High water up to a depth of two feet was observed on Farm to Market Road 167 near Quail Ridge.

**Comanche County Northern Comanche County** 01 2145CST-  
02 0130CST 0 0 ? ? **Flash Flooding**

Rainfall estimates of two to three inches per hour fell in DeLeon and produced considerable lowland and small stream flooding in northern Comanche County.

**Erath County** 01 2145CST-  
02 0130CST 0 0 ? ? **Flash Flooding**

Heavy rains of 2.13 inches measured in Stephenville resulted in the flooding of several low water crossings throughout Erath County.

**Tarrant County** 01 2230CST-  
02 0145CST 3 0 5 ? **Flash Flooding**  
02 0500CST-  
1200CST 0 0 5 ? **Flash Flooding**  
02 1830CST-  
03 0800CST 0 0 6 ? **Flash Flooding**

Heavy rains of four to seven inches fell in a 24-hour period from the late evening of May 1st through May 2nd. Heaviest rainfall totals included 6.73 inches at Carswell AFB, 5.74 at Grapevine, 5.02 inches at Eagle Mountain Lake, 4.71 inches at Lake Worth, and 3.91 at Fort Worth Meacham Field.

Three flash flood fatalities occurred just after midnight in the early morning hours of May 2nd in the Poly section of southeast Fort Worth. Two elderly males drowned when their pickup truck was swept away by flood waters near Sycamore Creek Park and Maddox Road. An unrelated third fatality also occurred in the Poly area of southeast Fort Worth when a car carrying four passengers was swept off the Maddox Bridge crossing Sycamore Creek. Flash flooding first began in Fort Worth at 2230 CST when several homes were flooded with high water up to six inches in depth in the Wedgewood section of Fort Worth. Rainfall amounts in Wedgewood ranged from 4.40 to 5.00 inches in a six-hour period ending at 0930 CST May 2nd. Several motorists were also trapped in their cars in Wedgewood while several homes near Lake Como, the Sleep Hollow area, and Mosier Valley were flooded. High water flooded several secondary roads in White Settlement, and U.S. Highway 377 south of Benbrook.

At 2000 CST, major flooding was occurring over several sections of Tarrant County. Several homes were flooded in Eules while numerous roadways including State Highway 114 were closed. High water was over the roads in Saginaw while much of the Hulen and Camp Bowie areas of Fort Worth had two to three feet of water over roadways and low lying areas. At 2130 CST, 143 persons were evacuated from a nursing home in Haltom City after Fossil Creek overflowed its banks and flooded the hospital. In Arlington, over 40 automobiles were stranded by high water while 11 persons were rescued near Johnson Creek.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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## TEXAS, Northern Cont'd

From 2200 CST May 2nd to 0300 CST May 3rd, serious flooding occurred along the Johnson Creek in Arlington. Several mobile homes were flooded in the Stonegate Pines Mobile Home Park, and the Lake Side Mobile Home Park. Homes were also flooded in the Shady Valley neighborhood. Numerous streets in Arlington were closed due to high water while a funeral home in River Legacy Park was flooded with high water up to six inches in depth. (M64V, M65V, F24V)

<b>Dallas County</b>	01 2245CST-								
	02 1200CST			0	0	7	?		<b>Flash Flooding</b>
	02 2100CST-								
	03 1200CST			0	0	7	?		<b>Flash Flooding</b>

Heavy rains of five to nearly seven inches fell in a 30-hour period from the late evening of May 1st through the morning of May 3rd. Heaviest rainfall totals included 6.07 inches at Dallas-Fort Worth Airport, 6.36 inches at Dallas Love Field, 6.91 inches at the Dallas Naval Air Station, 5.85 inches at Lake Ray Hubbard, and 5.57 inches at Carrollton.

At 2245 CST May 1st, several streets in Dallas were flooded, stranding several motorists in their cars. Between 2330 CST May 1st and 0630 CST May 2nd, 35 homes were flooded along Johnson Creek in northwestern Grand Prairie. In addition, flooding occurred along Cottonwood Creek, Briar Creek, and Dry Creek.

At 0900 CST May 2nd, approximately 400 persons in south Dallas were evacuated when water up to six feet in depth flooded the Rochester Park area. High water also flooded both Nottingham and Wildwood Oaks subdivisions along Johnson Creek while several streets in Irving were barricaded.

Additional flash flooding occurred during the evening of May 2nd through the morning of May 3rd. Most roads in the White Rock Creek Lake area were closed while a portion of Briar Creek Village was evacuated. At 2300 CST May 2nd, the Ten Mile Creek overflowed its banks and flooded several streets. At 1115 CST May 3rd, the Seagoville Sewage Plant was completely submerged. For the period May 2nd through the morning hours of May 3rd high water in Grand Prairie flooded 42 mobile homes, 55 homes, and 20 businesses. In Dallas, approximately 30 homes, 40 businesses, five schools, and an apartment complex were damaged by high water. Flash flood damage in Dallas was estimated at approximately \$10 million.

<b>Johnson County</b>	01 2315CST-								
	03 0800CST			0	0	5	?		<b>Flash Flooding</b>
<b>Western Johnson County</b>	02 0740CST-								
	03 0800CST			0	0	3	?		<b>Flooding</b>

Heavy rains of 5.28 inches in Burleson, 4.13 inches in Cleburne, and 2.97 inches in Alvarado in just over 24 hours produced widespread flooding in Johnson County. At 2315 CST May 1st, several low water crossings and bridges were closed due to high water. By 0800 CST May 2nd over 50 state and county roads were impassable with several stranded motorists. Farm to Market Road 4 between Cleburne and Granbury had up to one foot of water over the highway while U.S. Highway 67 located six miles west of Cleburne had up to one foot of water over the roadway. Several automobiles were washed off of low water crossings on County Road 616 and Farm to Market Road 157. Several residences were evacuated in Cleburne where the Buffalo Creek overflowed its banks. High water also flooded homes in several low-lying areas near Alvarado.

At 0740 CST May 2nd, the Nolan River overflowed its banks and flooded several low-lying areas in the western half of Johnson County.

<b>Collin County</b>	02 0000CST-								
	02 0330CST			0	0	?	?		<b>Flash Flooding</b>

Heavy rains of 1.73 inches at Celina and 2.73 inches in McKinney in a six-hour period resulted in high water over numerous city and county roads in Collin County. In south Celina, high water up to four feet in depth flooded several homes and forced the evacuation of 18 persons living in the Doe Branch Creek area.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

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		LOCAL STANDARD			KILLED	INJURED	PROPERTY	CROPS	

## TEXAS, Northern Cont'd

**Rains County**      02 0015CST-1115CST      0   0   ?   ?   **Flash Flooding**

Heavy rains of 2.36 inches at Emory flooded several roads in Emory and a bridge near Lake Tawakoni at 0015 CST. At 0800 CST, most secondary roads in Rains County were impassable due to high water.

**Anderson County**  
3 N Montalba      02 0030CST      0   0   3   ?   **Thunderstorm Wind**  
01 0110CST-      0   0   ?   ?   **Flash Flooding**  
02 0300CST

A downburst destroyed a storage house, uprooted several trees, and lifted the roof off a barn three miles north of Montalba. Damage estimates to the barn were around \$1,800. High water flooded streets and low-lying areas in Montalba.

**Hunt County**      02 0130CST-02 0345CST      0   0   ?   ?   **Flash Flooding**

Heavy rains of 2.92 inches in a six-hour period were measured in Greenville and resulted in the flooding of several city and county roads across Hunt County.

**Delta County**  
Cooper      02 0150CST-0500CST      0   0   ?   ?   **Flash Flooding**

Heavy rains of 1.98 inches in a six-hour period were measured in Cooper where several roadways and low-lying areas were flooded by high water.

**Hopkins County**      02 0150CST-0500CST      0   0   ?   ?   **Flash Flooding**

Several low water crossings were flooded with high water throughout Hopkins County. In Sulphur Springs 3.05 inches of rain fell in a six-hour period and flooded several city streets and low-lying areas.

**Somervell County**      02 0200CST-02 0400CST      0   0   ?   ?   **Flash Flooding**

Heavy rains of 2.13 inches at Rainbow resulted in the closing of several farm to market roads in Somervell County.

**Lamar County**      02 0400CST-      0   0   ?   ?   **Flash Flooding**

Heavy rains of 1.56 inches in a six-hour period at Paris flooded several roads in Paris while high water forced the closing of Farm to Market Roads 79 and 1499 in Lamar County.

**Ellis County**      02 0400CST-1100CST      0   0   ?   ?   **Flash Flooding**

Heavy rains of two to three inches resulted in flash flooding over portions of Ellis County. At 0400 CST, high water up to one foot in depth closed the northbound service road at the intersection of Interstate 35E and Red Oak Creek. In addition, high water was observed over several roadways in Red Oak where the Red Oak Creek crosses through the city. At 0750 CST, most country roads were impassable while several service roads along Interstate 35E were barricaded.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

**Van Zandt County**    02    0400CST-1100CST                    0    0    ?    ?    **Flash Flooding**

Heavy rains up to five inches were measured at Wills Point and resulted in major flooding of roadways in Van Zandt County. High water was over several sections of U.S. Highway 80 between Wills Point and Grand Saline between 0400 CST and 0515 CST. By 0900 CST most major and secondary roadways in Van Zandt County were impassable. Additional roadways closed included Farm to Market Roads 857 near Wills Point, Farm to Market Road 2965 South of Wills Point, and Interstate 20 at Farm to Market Road 501.

**Bowie County**        02    0500CST-0800CST                    0    0    ?    ?    **Flash Flooding**

Nearly four inches of rain fell during a three-hour period over northwestern Bowie County. U.S. Highway 82 and secondary roads near DeKalb were closed due to high water over the roadways.

**Parker County**       02    0500CST-2200CST                    0    0    ?    ?    **Flash Flooding**

**13 S Weatherford**    02    0900CST-2200CST                    0    0    ?    ?    **Flooding**

Heavy rains of 4.85 inches measured in Weatherford washed out several bridges and approximately 18 county roads including Farm to Market Road 5 south of Aledo. Numerous low water crossings were impassable while high water flooded the Western Lakes Development near Aledo. Several streets in Weatherford were inundated with high water while lowland flooding was widespread over Parker County.

The Brazos River rose six feet from 2100 CST May 1st through 0900 CST May 2nd through a combination of rainfall runoff and releases from Possum Kingdom Dam. High water began flooding homes and businesses in Tin Top (13 miles south of Weatherford) at 0900 CST May 2nd.

**Palo Pinto County**    02    0500CST-2030CST                    0    0    ?    ?    **Flash Flooding**

Heavy rains of approximately three inches were measured in a 24-hour period at both Palo Pinto and Mineral Wells. At 0500 CST, numerous secondary roadways in Palo Pinto County were closed with high water. Several persons living in low-lying areas were evacuated. At 1220 CST, high water virtually isolated Santo from the north while flooding occurred along Palo Pinto Creek. High water over the roadway closed Farm to Market Road 193 at Barton Creek, Farm to Market Road 2201 at the Big Sunday Creek crossing, Farm to Market Road 16 under Morris Sheppard Dam, Farm to Market Road 129 near Brazos, Farm to Market Road 4 between Santo and Lone Camp along Palo Pinto Creek, and at 2015 CST Farm to Market Road 254 located east of Gunter.

**Kaufman County**      02    0600CST-0930CST                    0    0    ?    ?    **Flash Flooding**

High water was observed crossing State Highway 34 between Terrell and Kaufman at the intersection of Midway Creek and Kings Creek.

**Wood County**         02    0700CST-1100CST                    0    0    ?    ?    **Flash Flooding**

Heavy rains of 3.22 inches was measured in an eight-hour period at Quitman. Several farm to market roads were closed due to high water over the roadway including a large portion of Farm to Market Road 49.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

### Denton County

02	0800CST-1100CST					0	0	?	?	Flash Flooding
02	1830CST-2045CST					0	0	?	?	Flash Flooding
02	2000CST-									
03	1200CST					0	0	?	?	Flooding

Heavy rains of seven inches fell in Lewisville in a four-hour period and produced widespread flash flooding in Denton County. At 0800 CST May 2nd, most low water crossings throughout Denton County were underwater. In Denton, a hospital lobby and several patient's rooms were flooded. High water flooded Farm to Market Road 720 at the Garza-Little Elm bridge, washed out the Denton Creek bridge on Farm to Market Road 51, and forced the closing of several other secondary roads in Denton County. At 1830 CST May 2nd, high water flooded several mobile homes in the Twin Lakes Mobile Home Park.

Several roads were closed due to flooding from pool rises on Lake Lewisville, Lake Grapevine, and Lake Ray Roberts. The main road into Highland Village near Interstate 35E was closed after water from Lake Lewisville spilled into the street. Farm to Market Road 2499 in Flower Mound was closed as flood waters topped the spillway at Lake Grapevine. U.S. Highway 377 was closed at the bridge on Buck Creek between Pilot Point and Tioga and at Range Creek north of Tioga as overflow from Lake Ray Roberts flooded the area.

### Callahan County

02	0800CST-1400CST					0	0	?	?	Flash Flooding
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Heavy rains of 2.50 inches at Baird produced widespread lowland flooding along creeks and streams throughout Callahan County. Farm to Market Road 604 was closed by high water just north of Clyde.

### Montague County

02	0830CST-0100CST					0	0	?	?	Flash Flooding
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Heavy rains of over three inches fell at Montague during a six-hour period. At 0830 CST May 2nd, several farm to market roads and low-lying areas were flooded by high water. By 1500 May 2nd, all southbound traffic on U.S. Highway 287 and across Farm to Market Road 8 were closed due to high water over the roadway.

### Wise County

02	0830CST-1200CST					0	0	?	?	Flash Flooding
02	1200CST-2400CST					0	0	?	?	Flooding

Heavy rains of 4.60 inches at Decatur in a 24-hour period produced widespread flash flooding of most farm to market roads and several state highways in Wise County. At 0830 CST, several farm to market roads near Bridgeport and much of U.S. Highway 380 were underwater.

At 1200 CST, flooding plagued much of the southern portion of Wise County near Newark as flood waters ran over the Lake Amon Carter spillway.

### Taylor County

02	0830CST-2300CST					0	0	?	?	Flash Flooding
02	1600CST-									
03	1200CST					0	0	?	?	Flooding

Heavy rains of three to five inches over sections of Abilene in a 24-hour period resulted in widespread flooding of roadways, low water crossings, creeks, streams, and several homes in Taylor County. At 0830 CST several low water crossings were barricaded throughout Taylor County. During the afternoon, several homes were evacuated near Dyess AFB and in southeast Abilene. Several Abilene city streets were closed by high water. A bridge was damaged by flood waters over the Little Elm Creek. High water flooded the Coachlight Mobile Home Park. U.S. Highway 293 in Albany and portions of U.S. Highway 180 were closed due to high water.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

**Cooke County**      02 1245CST-1700CST      0   0   6   ?   **Flash Flooding**

Heavy rains of 5.80 inches at Gainesville in a 24-hour period produced widespread flash flooding in Cooke County. The most extensive flooding occurred in Gainesville where city officials declared a city-wide emergency. Over 40 homes along the Pecan Creek in Gainesville were evacuated while much of Gainesville was cut in half by high water over roadways crossing Pecan Creek. Several roads were closed in Gainesville including U.S. Highway 82 north of the city while approximately 50 animals at the Frank Buck Zoo were evacuated. Elsewhere, several bridges were washed out along both the Pecan and Elm Creeks including County Road 234. High water flooded several roadways in both Muenster and Lindsay in western Cooke County while Farm to Market Road 922 was closed near the Pioneer Valley Lake. Damage from flash flooding was estimated at \$323,000 to public property and over \$500,000 to private property.

**Hamilton County**      02 1800CST-03 0200CST      0   0   ?   ?   **Flash Flooding**

Several roads were flooded by high water near the city of Hamilton.

**Hood County**      02 1900CST-2200CST      0   0   ?   ?   **Flash Flooding**

High water up to one foot in depth flooded the entrance road to Indian Harbor near Lake Granbury.

**Somervell County**      02 1900CST-2200CST      0   0   ?   ?   **Flash Flooding**

High water flooded the low water bridge at Farm to Market Road 200 near Glen Rose.

**Tarrant County**      02 1930CST      0   0   ?   ?   **Hail (0.75)**

**Grayson County**      02 1930CST-03 0800CST      0   0   6   ?   **Flash Flooding**

**Northern Grayson County**      02 2000CST-03 1200CST      0   0   ?   ?   **Flooding**

Heavy rainfall of over seven inches at Denison in a 24-hour period resulted in numerous closing of highways and flooding of homes and businesses in Grayson County. At 1930 CST, high water crossed U.S. Highway 377 from south of Tioga to Collinsville. At 2115 CST, high water flooded numerous streets, homes, and a few schools in Sherman. At 2310 CST, a nursing home was flooded in Whitewright. Between 0400 CST, and 0800 CST, portions of State Highway 69 were closed. Damage to roads and bridges was estimated at near \$500,000.

At approximately 2000 CST May 2nd, overflow waters from Lake Texoma began to run over the spillway at Denison Dam for the first time since 1957. Overflow from Denison Dam closed State Highway 75-A and all secondary roads north of Denison. In Denison, a lakeside clubhouse along Lake Texoma was flooded up to a depth of five feet while the Big Mineral Resort Camp had nine homes and the main resort building flooded by high water.

**Fannin County**      02 1940CST-03 1200CST      0   0   ?   ?   **Flash Flooding**

**Bonham**      03 0000CST-1200CST      0   0   ?   ?   **Flooding**

Heavy rains of 3.24 inches at Bonham in a 24-hour period resulted in the closing of most highways and secondary roadways in Fannin County. High water up to six inches in depth crossed Farm to Market Road 1396. Between 0300 CST and 0900 CST, most east to west roadways along the Bois d'Ark Creek east of Bonham were flooded including State Highways

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

82 and 78. Approximately 40 persons were evacuated from their homes as the Powder Creek went over its banks. During the morning of May 3rd, several homes and 5 businesses on the southside of Bonham were flooded by rising water.

Several homes on the north side of Lake Bonham were flooded by high water as the lake temporarily went over its spillway.

**Grayson County**  
Denison  
Denison

02	2030CST				0	0	?	?	Thunderstorm Wind
02	2118CST				0	0	?	?	Thunderstorm Wind

At 2030 CST, a downburst blew a trailer off its foundation. At 2118 CST, strong winds destroyed several outdoor sheds, damaged seven homes, and blew down several trees.

**Lamar County**

02	2100CST-				0	0	?	?	Flash Flooding
03	0000CST								

High water was observed over Farm to Market Road 79 and 1499 at Sanders Creek and State Highway 571 near the Red River.

**Collin County**

02	2115CST-				1	0	5	?	Flash Flooding
03	0800CST								

**Southern Collin County**

03	0730CST-				0	0	?	?	Flooding
	1800CST								

Heavy rains of 2.50 inches at Lake Lavon Dam resulted in high water over several roadways in Collin County. At 2115 CST May 2nd, high water flooded numerous streets near McKinney. At 0230 CST May 2nd, one fatality occurred when a woman drowned in Rowlett Creek when her vehicle was swept away on Farm to Market Road 2478. In addition, U.S. Highway 75 was closed at Wilson Creek after high water washed away sections of the highway. At 0015CST May 3rd, several abandoned automobiles were flooded in Plano while at 0330 CST most secondary roads in Collin County, low water crossings, and low-lying areas were flooded by high water. High water also flooded several homes in isolated sections of Collin County where damage estimates were over \$200,000.

Considerable lowland flooding was observed below Lake Levon Dam from water releases (F77V).

**Dallas County**

02	2200CST-				0	0	?	?	Flash Flooding
03	1200CST								

Ten Mile Creek overflowed its banks and resulted in high water across several roadways in southern Dallas County. Several streets and homes were flooded in northern Grand Prairie along Johnson Creek. In Duncanville, most of Cockrell Hill Road was washed out by high water.

**Collin County**  
Wylie

02	2200CST				0	0	?	?	Thunderstorm Wind
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A downburst destroyed an outdoor storage shed, snapped trees, bent a flag pole to the ground, blew shingles off a roof of a home, and damaged several businesses and homes by flying debris.

**Johnson County**  
Joshua  
Rio Vista  
**Somervell County**  
1 E Glen Rose  
**Fannin County**  
2 S Honey Grove

02	2205CST				0	0	?	?	Thunderstorm Wind (G52)
02	2223CST				0	0	?	?	Hail (2.75)
02	2208CST				0	0	?	?	Thunderstorm Wind (G52)
02	2215CST				0	0	?	?	Thunderstorm Wind

A downburst destroyed a horse corral and two barns, blew down several utility poles and fences, and damaged a home by flying debris from a barn.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

**Bosque County**  
4 SE Morgan      02 2230CST-2231CST      Short Narrow      0   0    ?    ?      **Tornado (F2)**

A tornado touched down briefly four miles southeast of Morgan and destroyed a metal hay barn and a garage door, lifted the roof off of 28 storage buildings, uprooted several trees, and damaged a tractor shed.

<b>Hill County</b> Itasca	02 2240CST				0	0	?	?	<b>Hail (1.00)</b>
<b>Ellis County</b> 4 N Maypearl	02 2300CST				0	0	?	?	<b>Thunderstorm Wind (G52)</b>
Ferris	02 2300CST				0	0	?	?	<b>Thunderstorm Wind (G52)</b>
Waxahachie	02 2315CST				0	0	?	?	<b>Thunderstorm Wind</b>
4 NE Waxahachie	02 2315CST				0	0	?	?	<b>Thunderstorm Wind</b>
Rockett	02 2320CST				0	0	?	?	<b>Thunderstorm Wind</b>

A downburst blew down power lines and trees in Waxahachie, blew the roof off a house four miles northeast of Waxahachie, and the roof off a building in Rockett.

**Hill County**  
02 2300CST-03 0800CST      0   0    ?    ?      **Flash Flooding**

Approximately 2.50 inches of rain in a 24-hour period resulted in widespread flash flooding of farm to market roads and low water crossings in Hill County.

**Dallas County**  
Seagoville      02 2325CST      0   0    ?    ?      **Thunderstorm Wind (G52)**

Strong winds of 60 mph destroyed a sheet metal building.

<b>Kaufman County</b> Forney	02 2335CST				0	0	?	?	<b>Thunderstorm Wind</b>
Terrell	02 2345CST				0	0	?	?	<b>Thunderstorm Wind</b>

A downburst blew down power lines in Forney and the roof off a building in Terrell.

<b>McLennan County</b> Waco	02 2340CST				0	0	?	?	<b>Thunderstorm Wind (G52)</b>
<b>Hunt County</b> Greenville	03 0005CST				0	0	?	?	<b>Thunderstorm Wind</b>

A downburst blew down power lines in Greenville.

<b>Bell County</b> Killeen	03 0006CST				0	0	?	?	<b>Hail (0.75)</b>
<b>Ellis County</b>	03 0030CST-1200CST				0	0	?	?	<b>Flash Flooding</b>

Heavy rainfall of two to three inches in a 24-hour period produced widespread flash flooding in Ellis County. At 0030 CST, isolated homes were flooded in the county. At 0300 CST, all Red Oak northbound service roads along Interstate 35E were closed by high water up to a foot in depth. By 0400 CST, most secondary roads and low water crossings including Farm to Market Roads 577, 916, 66, 876 at Chambers Creek, and Old Fort Worth Road at Midlothian. In Waxahachie, most roadways were also closed including Getzendaner Park near Waxahachie Creek.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

### Lamar County

Paris	03	0051CST							Funnel Cloud
Paris	03	0055CST- 0057CST	2	100	0	13	?	?	Tornado (F2)

At 0051 CST, a funnel cloud was observed in Paris. At 0055CST, a tornado touched down in southwest Paris and moved northeast. A mobile home, a grain silo, and two businesses were destroyed. Twenty homes, a grain silo, and several businesses were damaged. Several large trees were uprooted and a tractor-semitrailer was overturned. Several injuries occurred at a nightclub and in isolated other dwellings.

### Lampasas County Lampasas

	03	0100CST			0	0	?	?	Lightning
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Lightning struck a radio antenna that ignited a fire to a residence.

### Kaufman County

	03	0130CST-			0	0	?	?	Flash Flooding
	03	1300CST							

Heavy rainfall amounts ranging from 1.65 inches at Kaufman to 3.02 inches at Terrell in a 24-hour period resulted in widespread flash flooding in Kaufman County. At 0130 CST, State Highway 34 near Terrell was closed while low-lying areas in Kaufman had high water up to the porches of homes. At 0300 CST, most low water crossings were impassable. At 0515 CST, Interstate 20 at Terrell was underwater while State Highway 34 north of Terrell was completely washed out. At 0900 CST, most farm to market roads were closed including Farm to Market Road 148 at Spur 557.

### Red River County

	03	0145CST- 0800CST			0	0	?	?	Flash Flooding
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Heavy rainfall amounts of 2.33 inches at Clarksville and 2.20 inches at Box Elder resulted in closing of Farm to Market Roads 909, 410, 1487, and State Highway 95. At 0430 CST, high water was observed over State Highway 37 and Farm to Market Road 2203 north of Clarksville.

### McLennan County

	03	0200CST-			1	0	?	?	Flash Flooding
	03	0800CST							

Heavy rainfall amounts of 2.70 inches in Waco in a 24-hour period resulted in flash flooding across portions of McLennan County. One fatality occurred in Waco when a man was swept into Elm Creek. At 0300 CST, widespread flash flooding of streets was occurring in Woodway. At 0530 CST, high water up to a foot in depth flooded Farm to Market Road 1637 in the vicinity of Live Oak Creek. (M600)

### Coryell County

	03	0200CST- 0800CST			0	0	?	?	Flash Flooding
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Heavy rainfall of nearly two inches at Gatesville in a 24-hour period resulted in flash flooding of low-lying areas and low water crossings along Plum Creek and tributaries of the Leon River.

### Hunt County

	03	0400CST- 1300CST			0	0	?	?	Flash Flooding
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Heavy rainfall of 2.40 inches at Greenville in 24-hour period resulted in flash flooding of Farm to Market Roads 36 south of Interstate 30 and several other farm to market roads and low-lying areas in Hunt County.

### Rains County

	03	0400CST- 0900CST			0	0	?	?	Flash Flooding
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Heavy rainfall amounts of 2.57 inches in Emory resulted in high water over Farm to Market Roads 275, 514, and several county roads.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

Denton County	03	0430CST-0800CST			0	0	?	?	Flash Flooding
									Heavy rainfall of 5.37 inches at Lewisville resulted in flash flooding of several roadways. In Denton three automobiles were submerged by high water over an expressway.
Bell County	03	0500CST-0800CST			0	0	?	?	Flash Flooding
									Heavy rainfall amounts of 2.23 inches at Belton in a 24-hour period resulted in high water up to one foot in depth on U.S. Highway 95 north of Holland. In Belton, several downtown businesses including city hall were flooded, as well as 35 homes near Belton.
Freestone County	03	0600CST-1030CST							High water flooded Farm to Market Road 2777 near Teague and U.S. Highway 287 in the extreme northeastern portion of Freestone County.
Navarro County	03	0800CST-1230CST			0	0	?	?	Flash Flooding
									Heavy rainfall amounts of 2.00 inches in Corsicana in a 24-hour period resulted in high water over U.S. Highway 287 near Corsicana. Several homes were also flooded in Corsicana.
Nacogdoches County	03	1336CST-1530CST			0	0	?	?	Flash Flooding
1 NE Nacogdoches	03	1432CST-1433CST	Short Narrow		0	0	?	?	Tornado (F1)
Wooden	03	1435CST			0	0	?	?	Thunderstorm Wind
									A tornado touched down briefly one mile northeast of Nacogdoches and blew down several trees. A downburst blew down several trees in Wooden.
Hopkins County	03	1345CST-1800CST			0	0	?	?	Flash Flooding
									High water flooded Farm to Market Road 1567 and 2653.
Wood County	03	1345CST-1800CST			0	0	?	?	Flash Flooding
									High water flooded Farm to Market Roads 778, 49, and 312.
Panola County	03	1400CST-							
Western Panola County		1500CST			0	0	?	?	Flash Flooding
Shelby County	03	1400CST-1800CST			0	0	?	?	Flash Flooding
15 SW Center	03	1425CST			0	0	?	?	Thunderstorm Wind
5 SE Joaquin	03	1440CST			0	5	?	?	Thunderstorm Wind
	03	1530CST-1800CST			0	0	?	?	Flash Flooding
									Heavy rainfall amounts of two to three inches with isolated three to four inch amounts fell over both Panola and Shelby County. Runoff resulted in considerable lowland flooding and high water over several secondary roads.
									A downburst blew down several trees 15 miles southwest of Center. Strong winds five miles southeast of Joaquin, uprooted several large trees and blew them down onto five house trailers where five injuries occurred. Also, a mobile home was overturned, a boat shed was destroyed, and several vehicles were damaged. Heavy rainfall amounts of 3.31 inches at Center produced flash flooding of low-lying areas in Shelby County.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

Ellis County									
Eastern Ellis County	04	1800CST-							
	05	1200CST			0	0	?	?	Flash Flooding
Eastern Ellis County	05	1200CST-							
	07	2400CST			0	0	?	?	Flooding
Kaufman County									
Western Kaufman County	04	1800CST-							
	05	1200CST			0	0	?	?	Flash Flooding
Western Kaufman County	05	1200CST-							
	07	2400CST			0	0	?	6	Flooding
Navarro County									
Eastern Navarro County	04	1800CST-							
	05	1200CST			0	0	?	?	Flash Flooding
Eastern Navarro County	05	1200CST-							
	07	2400CST			0	0	?	?	Flooding
Henderson County									
Western Henderson County	04	1800CST-							
	05	1200CST			0	0	?	?	Flash Flooding
Western Henderson County	05	1200CST-							
	07	2400CST			0	0	?	6	Flooding

Numerous levee breaks occurred along the Trinity River south of Dallas to Trinidad. A levee on the Trinity River located north of State Highway 34 at Pumphouse Road in northeastern Ellis County failed at approximately 1545 CST. After 1800 CST, high water flooded around 20 residences located northeast of Bristol and along State Highway 34 east of Ennis. Considerable lowland flooding occurred over an estimated 10,000 acres of farmland in the flood plain along the Trinity River in eastern Ellis County.

A levee break occurred on the Trinity River near Rosser. Consequently, flash flood and flood damage in Kaufman County amounted to \$2.50 million in agricultural losses, \$18,000 to single family residences, \$66,000 to mobile homes, \$1.25 million to farm dwellings, and \$210,000 to businesses.

Levee breaks between Rosser and Trinidad resulted in the flooding of hundreds of acres of farmland over eastern Navarro County and western Henderson County. In Henderson County, 50 homes were flooded in Crestland Park off Farm to Market Road 166 west of Athens, approximately 150 persons were evacuated between Trinidad and Malakoff near U.S. Highway 31. Flash flood and flood damage to agricultural farmland in Henderson County was estimated at \$1.30 million.

Anderson County	04	1800CST-							
Long Lake	07	2400CST			0	0	6	?	Flooding

Flooding from the Trinity River severely damaged approximately 40 homes and forced the evacuation of around 80 persons at Long Lake where flood damage was estimated at \$650,000.

Dallas County	10	1200CST-							
Coppell		2400CST			0	0	?	?	Flooding

Water releases from Lake Grapevine Dam caused Denton Creek to overflow its banks into parts of Coppell. Most roads were closed along Sandy Lake Road while flood water rose into automobiles and the Wellington Place Apartments.

## Northern Texas 11-12

Several severe thunderstorms erupted over parts of northern Texas the afternoon of May 11th through May 12th as an upper level disturbance moved across the area. The strongest thunderstorms developed along an eastward-moving dry line that extended from a surface low pressure system located across western Texas the afternoon of May 11th.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

### Taylor County

Ovala	11	1739CST			0	0	?	?	Hail (1.75)
Abilene	11	1800CST			0	0	?	?	Thunderstorm Wind (G54)
Tuscola	11	1800CST			0	0	?	?	Hail (1.75)
2 NW Abilene	11	1805CST			0	10	0	?	Thunderstorm Wind
Abilene	11	1808CST			0	0	?	?	Thunderstorm Wind

In Tuscola, golf ball-size hail damaged several homes and automobiles. Two miles northwest of Abilene, ten injuries occurred when strong winds collapsed a large pavilion tent at the Taylor County Fair Grounds. In Abilene at 1808 CST, strong winds overturned four mobile homes and heavily damaged several mobile homes at a dealership.

### Callahan County

2 N Clyde	11	1812CST			0	0	?	?	Hail (0.88)
<b>Brown County</b>									
10 E Brownwood	11	1830CST			0	0	?	?	Thunderstorm Wind
Bangs	11	1835CST			0	0	?	?	Thunderstorm Wind
8 NW Brownwood	11	1840CST			0	0	3	?	Thunderstorm Wind
Brownwood	11	1845CST			0	1	?	?	Lightning
5 N Brownwood	11	1900CST			0	0	?	?	Thunderstorm Wind
Brownwood	11	1900CST			0	0	?	?	Thunderstorm Wind

A downburst blew the roof off a home and destroyed a carport on Farm to Market Road 585 (ten miles east of Brownwood). In Bangs, strong winds blew down several trees and power lines and damaged a home. At Lake Brownwood (eight miles northwest of Brownwood), a downburst destroyed a tractor shed and blew the roof off a barn. Damage estimates were near \$1,500. In Brownwood at 1845 CST, one injury occurred when a man was struck by lightning. At the Brownwood Municipal Airport (five miles north of Brownwood), a downburst blew four doors off an airplane hangar and damaged one airplane. In Brownwood at 1900 CST, strong winds uprooted trees, blew down power lines, lifted the roof off a home, and shattered several windows.

### Shackelford County

Albany	11	1835CST			0	0	?	?	Hail (1.75)
<b>Throckmorton County</b>									
Woodson	11	1907CST			0	0	?	?	Hail (1.75)
<b>McCulloch</b>									
8 SSW Melvin	11	1907CST							Funnel Cloud
Brady	11	1930CST			0	0	?	?	Thunderstorm Wind

A funnel cloud was observed in open country eight miles south-southwest of Melvin. Strong winds blew down power lines in Brady.

### Palo Pinto County

4 W Mineral Wells	11	1910CST			0	0	?	?	Hail (1.75)
<b>Comanche County</b>									
Comanche	11	1915CST			0	0	?	?	Thunderstorm Wind (G52)
7 S Comanche	11	1915CST							Funnel Cloud
DeLeon	11	1925CST			0	0	?	?	Thunderstorm Wind (G56)

A funnel cloud was observed in open country seven miles south of Comanche.

### Erath County

Dublin	11	1929CST			0	0	?	?	Thunderstorm Wind (G61)
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Strong winds estimated at 70 mph blew down several trees in Dublin.

### Hood County

Granbury	11	2010CST			0	0	?	?	Thunderstorm Wind (G52)
	11	2015CST-2230CST			0	0	?	?	Flash Flooding

Several secondary roads and low water crossings were impassable due to flash flooding.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

<b>Somervell County</b> Glen Rose	11	2010CST			0	0	?	?	Thunderstorm Wind
									Strong winds blew down several trees and street signs in Glen Rose.
<b>Bell County</b> Killeen	11	2100CST			0	0	?	?	Thunderstorm Wind
									A downburst blew down several trees.
<b>Collin County</b> Frisco	11	2100CST			0	0	?	?	Thunderstorm Wind
									A downburst uprooted several trees and blew down power lines, street signs, fences, and the roof off a house.
<b>Johnson County</b> Burleson	11	2100CST			0	0	?	?	Thunderstorm Wind
									Strong winds blew down several trees in Burleson.
<b>Tarrant County</b> Dalworthington Gardens	11	2110CST			0	0	?	?	Thunderstorm Wind
Fort Worth	11	2120CST			0	0	?	?	Thunderstorm Wind
									Strong winds destroyed two barns, lifted the roof off a business, and damaged six homes in Dalworthington Gardens and blew down large tree branches in the Edgecliff section of Fort Worth.
<b>Coryell County</b> 2 S Oglesby	11	2145CST			0	0	?	?	Thunderstorm Wind
									A downburst destroyed the front porch of a residence, damaged a carport, and blew down four trees.
<b>Kaufman County</b> Kaufman	11	2240CST			0	0	?	?	Thunderstorm Wind
									A downburst destroyed a carport, lifted the roof off two apartment units, bent down several light poles, and blew down trees in Kaufman.
<b>Henderson County</b> 1 W Athens	11	2330CST			0	0	?	?	Thunderstorm Wind (G52)
<b>Red River County</b> Clarksville	12	0007CST			0	0	?	?	Thunderstorm Wind
									Strong winds blew down several trees near Clarksville.
<b>Panola County</b> 1 E Clayton	12	0115CST			0	0	?	?	Thunderstorm Wind
1 N Gary	12	0120CST			0	0	?	?	Thunderstorm Wind
1 NW Woods to	12	0130CST-							
2 N Woods		0131CST	1.5	150	0	0	?	?	Tornado (F1)
8 N Woods	12	0135CST			0	0	?	?	Thunderstorm Wind
									A downburst blew down numerous trees one mile east of Clayton and one mile north of Gary. A tornado touched down in open country one mile northwest of Woods and moved northeast. Several trees were snapped along the tornado path. Strong winds blew down several trees eight miles north of Woods.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

**Coryell County**  
Gatesville 12 0258CST 0 0 ? ? Thunderstorm Wind

A downburst blew down power lines in Gatesville.

**Limestone County**  
Shiloh 12 0340CST 0 0 ? ? Thunderstorm Wind  
Groesbeck 12 0345CST 0 0 ? ? Thunderstorm Wind  
Mexia 12 0351CST 0 0 ? ? Thunderstorm Wind  
Groesbeck 12 0352CST 0 0 ? ? Hail (1.75)

Strong winds blew down trees and power lines at both Shiloh and Groesbeck and lifted the roof off a mobile home in Groesbeck.

**Henderson County**  
Poynor 12 0345CST 0 0 ? ? Thunderstorm Wind

Strong winds blew down trees at Poynor.

**Freestone County**  
Teague 12 0350CST ? ? Funnel Cloud  
Teague 12 0400CST 0 0 ? ? Thunderstorm Wind (G57)

At 0350 CST, a funnel cloud was observed at Teague. At 0400 CST, strong winds overturned a mobile home, uprooted trees, lifted the roof off two businesses, blew down power lines and trees, blew out windows of a high school, damaged the city hall, a post office, and an automobile dealership in Teague.

**McLennan County**  
Mart 12 0400CST 0 0 ? ? Thunderstorm Wind

A downburst uprooted several trees at Mart.

**Anderson County**  
3 W Palestine 12 0430CST 0 0 ? ? Thunderstorm Wind  
Palestine 12 0443CST 0 0 ? ? Thunderstorm Wind  
Palestine 12 0450CST 0 0 ? ? Thunderstorm Wind  
1 E Slocum 12 0510CST 0 0 4 ? Thunderstorm Wind  
8 SE Slocum 12 0515CST 0 0 ? ? Thunderstorm Wind

Strong winds destroyed an airport hangar at the Palestine Municipal Airport (three miles west of Palestine). In Palestine, strong winds lifted the roof off a house and destroyed the porch of a residence at 0443 CST and destroyed several metal sheds at 0450 CST. At 0510 CST, strong winds lifted the roof off a home, blew a mobile home and frame house off its foundation, overturned a truck, destroyed a chicken coop and a mobile home, and produced \$300 damage to a camper. A downburst uprooted trees on Farm to Market Road 228 (eight miles southeast of Slocum).

**Cherokee County**  
2 N Jacksonville 12 0510CST 0 0 ? ? Thunderstorm Wind  
3 S Troup 12 0515CST 0 0 ? ? Thunderstorm Wind  
Tecula 12 0632CST 0 0 ? ? Thunderstorm Wind  
Teague 12 0729CST 0 0 ? ? Thunderstorm Wind

Strong winds blew down several trees two miles north of Jacksonville and three miles south of Troup, and power lines in Tecula. Strong winds lifted the roof off several buildings, displaced a mobile home off its foundation, and blew in windows at Teague.

**Nacogdoches County**  
10 W Nacogdoches 12 0611CST 0 0 ? ? Thunderstorm Wind  
Hail (0.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

6 W Nacogdoches	12	0615CST			0	0	?	?	Thunderstorm Wind
Woden	12	0615CST			0	0	?	?	Hail (1.75)
18 SE Nacogdoches	12	0645CST-							
		0646CST	Short Narrow		0	0	?	?	Tornado (F1)
Nacogdoches County	12	0630CST-							
		0830CST			0	0	?	?	Flash Flooding

A downburst damaged the roof and patio of a home ten miles west of Nacogdoches. Strong winds uprooted trees and damaged a barn and garage six miles west of Nacogdoches. A tornado touched down briefly at Lake Nacogdoches (18 miles southeast of Nacogdoches) and blew down several trees. Heavy rainfall amounts of 2.89 inches in Nacogdoches produced flash flooding of numerous secondary roadways and low water crossings. High water was observed over Farm to Market Road 1275 while County Road 747 located seven miles west of Nacogdoches had a bridge washed out.

Navarro County	12	0645CST-			0	0	?	?	Flash Flooding
		1045CST							

Heavy rainfall amounts of three inches in Corsicana resulted in high water over several streets in Corsicana as well as secondary roads and low water crossings in the eastern portion of Navarro County.

Angelina County	12	0650CST			0	0	?	?	Thunderstorm Wind
2 N Redland	12	0650CST			0	0	?	?	Hail (1.75)
Redland									

A downburst blew down trees across State Highway 59 (two miles north of Redland).

San Augustine County	12	0730CST-							
10 SW San Augustine		0731CST	Short Narrow		0	0	?	?	Tornado (F1)

A tornado touched down briefly ten miles southwest of San Augustine and damaged several trees and two homes.

Sabine County	12	0752CST			0	0	?	?	Hail (1.75)
1 N Hemphill									

Cherokee County	12	0830CST-			0	0	?	?	Flash Flooding
		1200CST							

Heavy rainfall amounts of 4.69 inches at Cove Spring washed out a bridge and produced flash flooding of several secondary roads in Cherokee County.

Smith County	12	0830CST-			0	0	?	?	Flash Flooding
		1200CST							

Heavy rainfall resulted in high water up to a foot in depth at County Road 2868, Farm to Market Road 346 between Whitehouse and Teasleville, State Highway 69 at Farm to Market Road 346, Farm to Market Road 14, and Farm to Market Road 850. Flash flooding was also observed in the towns of Flint, Noonday, and Gresham.

Gregg and Marion Counties	12	0830CST-			0	0	?	?	Flash Flooding
		1230CST							
Harrison County	12	0830CST-			0	0	?	?	Flash Flooding
		1630CST							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

<b>Panola, Rusk, and Shelby Counties</b>	12 0830CST-2030CST				0	0	?	?	Flash Flooding
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Very heavy rainfall amounts fell over much of northeastern Texas during the day of May 12th into the evening hours. General storm rainfall totals of three to four inches were common with isolated amounts over six inches in some locations. A maximum rainfall total of 7.35 inches was measured at Henderson in Rusk County. High water covered numerous secondary roads while a few major thoroughfares were affected at various intervals. Most small streams were out of their banks resulting in the closing of several low water crossings.

In Harrison County, Farm to Market Roads 449 and 450 and the northbound lanes of U.S. Highway 59 were closed for several hours. In Panola and Shelby counties, U.S. Highway 59, State Highways 105 and 152 were closed for several hours due to high water over the roadway. In addition, Farm to Market Roads 308, 105, and 108 were closed in Panola County. The most significant flash flooding occurred in Henderson of Rusk County where several homes and businesses were flooded by high water.

Panola County 8 W Carthage	12 0950CST				0	0	?	?	Hail (0.75)
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Cass County Bryans Mill	12 1045CST				0	0	?	?	Hail (1.00)
4 NE Domino	12 1225CST				0	0	?	?	Hail (1.00)

Quarter-size hail fell at Wright Patman Dam (four miles northeast of Domino).

Bowie County Maud	12 1054CST				0	0	?	?	Hail (1.00)
Wright Patman Lake	12 1225CST				0	0	?	?	Hail (1.00)

Henderson County Larue	12 1615CST				0	0	?	?	Thunderstorm Wind Hail (0.75)
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Strong winds blew down several trees at Larue.

Anderson County Frankston	12 1625CST				0	0	?	?	Thunderstorm Wind Hail (1.00)
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Strong winds blew down several trees near Frankston.

Gregg County Kilgore	12 1630CST				0	0	?	?	Thunderstorm Wind (G50) Hail (1.00)
Longview	12 1630CST				0	0	?	?	Thunderstorm Wind (G50) Hail (1.00)
6 SE Rusk	12 1630CST				0	0	?	?	Thunderstorm Wind
Tatum	12 1630CST				0	0	?	?	Thunderstorm Wind G52) Hail (0.75)

Harrison County Hallsville	12 1630CST				0	0	?	?	Thunderstorm Wind (G50) Hail (1.75)
4 SW Darco	12 1635CST				0	0	?	?	Hail (1.00)
4 SW Darco	12 1720CST				0	0	?	?	Thunderstorm Wind (G52) Hail (0.88)
5 NW Elysian Fields	12 1745CST				0	0	?	?	Hail (1.00)

A downburst blew down several trees four miles southwest of Darco at 1720 CST and five miles northwest of Elysian Fields at 1745 CST. Hail (1.50)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

<b>Panola County</b>									
2 NE Tatum	12	1635CST			0	0	?	?	Hail (1.00)
2 NE Tatum	12	1720CST			0	0	?	?	Thunderstorm Wind (G52)
Hail (0.88)									
<b>3 W DeBerry</b>									
Gary	12	1750CST			0	0	?	?	Hail (0.75)
	12	1805CST			0	0	?	?	Thunderstorm Wind and Hail (0.88)
<b>Carthage</b>									
	12	1830CST			0	0	?	?	Thunderstorm Wind

Strong winds blew down several trees two miles northeast near Tatum at 1720 CST, near Gary at 1805 CST, and near Carthage at 1830 CST.

<b>Cherokee County</b>									
Cuney	12	1635CST			0	0	?	?	Hail (1.00)
Alto	12	1730CST			0	0	?	?	Thunderstorm Wind

Strong winds blew down several trees in Alto.

<b>Smith County</b>									
Troup	12	1640CST			0	0	?	?	Thunderstorm Wind

Strong winds uprooted several trees and blew down power lines at Troup.

<b>Rusk County</b>									
Tatum	12	1720CST			0	0	?	?	Thunderstorm Wind (G52)
									Hail (0.88)

Strong winds measured at 60 mph blew down several trees down at Tatum.

<b>Nacogdoches County</b>									
4 SE Cushing	12	1822CST							Funnel Cloud
2 SE Nacogdoches	12	1851CST			0	0	?	?	Hail (0.88)
2 SE Nacogdoches	12	1852CST			0	0	?	?	Thunderstorm Wind
									Hail (1.75)
Wooden	12	1855CST			0	0	?	?	Hail (1.75)

A downburst blew down several trees near U.S. Highway 59 (two miles southeast of Nacogdoches).

<b>Shelby County</b>									
Timpson	12	1853CST			0	0	?	?	Hail (1.00)
8 S Center	12	1915CST			0	0	?	?	Thunderstorm Wind

A downburst blew down several trees and damaged the roof of a home eight miles south of Center.

<b>San Augustine County</b>									
13 SE Broaddus	12	1950CST			0	0	?	?	Thunderstorm Wind
San Augustine	12	2000CST			0	0	?	?	Thunderstorm Wind

Strong winds blew down trees along Farm to Market Road 1751 (13 miles southeast of Broaddus) and damaged two homes in San Augustine.

## Northern Texas 14

A cluster of severe thunderstorms developed along a dry line that extended south from a surface low pressure system over western Texas at 1400 CST May 14th. The dry line generally extended from just west of Childress to between Abilene and Lubbock. Large hail, damaging bursts of wind, and a few tornadoes accompanied some of the stronger thunderstorms as they moved east into northern Texas.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

### Knox County

Knox City	14	1635CST			0	0	?	?	Hail (0.75)
Knox City	14	1810CST			0	0	?	?	Hail (2.75)
8 W Knox City to 1 W Knox City	14	1810CST- 1835CST	7	50	0	0	?	?	Tornado (F1)

Baseball-size hail damaged automobiles and broke the windows and skylights of several homes in Knox City at 1810 CST. A tornado was observed in open country eight miles west of Knox City and moved east to one mile west of Knox City before dissipating.

### Jones County

4 W Tuxedo to 2 SW Tuxedo	14	1645CST- 1649CST	2	100	0	2	5	?	Tornado (F2)
2 S Tuxedo	14	1655CST			0	0	?	?	Hail (2.75)
7 E Hamlin	14	1708CST- 1709CST	Short	Narrow	0	2	?	?	Tornado (F2)
Tuxedo	14	1715CST			0	0	?	?	Hail (2.75)
8 SW Stamford	14	1720CST- 1721CST	Short	Narrow	0	0	?	?	Tornado (F1)
Radium	14	1730CST- 1731CST	Short	Narrow	0	3	?	?	Tornado (F2)
3 W Tuxedo	14	1735CST			0	0	?	?	Thunderstorm Wind
8 NW Hawley	14	1740CST			0	0	?	?	Funnel Cloud
4 NE Abilene	14	1741CST			0	0	?	?	Thunderstorm Wind
1 N Anson	14	1743CST			0	0	?	?	Funnel Cloud
Stamford	14	1744CST			0	0	?	?	Hail (0.88)
8 N Anson	14	1748CST- 1749CST	Short	Narrow	0	2	?	?	Tornado (F3)
1 SW Stamford	14	1754CST			0	0	?	?	Hail (1.75) Lightning
3 SW Lueders	14	1847CST- 1847CST	Short	Narrow	0	0	?	?	Tornado (F1)
Anson	14	1856CST			0	0	?	?	Hail (2.75)
1 E Lueders	14	1915CST			0	0	?	?	Hail (2.75)
3 SE Funston	14	1915CST			0	0	?	?	Thunderstorm Wind
4 E Hawley	14	1915CST			0	0	?	?	Thunderstorm Wind
4 NE Abilene	14	1929CST			0	0	?	?	Funnel Cloud
4 NW Abilene	14	1930CST- 1930CST	Short	Narrow	0	0	?	?	Tornado (F1)
8 E Hawley	14	1930CST			0	0	?	?	Thunderstorm Wind

A tornado touched down four miles west of Tuxedo and moved southeast to two miles southwest of Tuxedo before dissipating. The tornado destroyed two mobile homes, damaged two residences, tore steel doors off a barn, blew down a television antenna, produced \$30,000 damage to a high school, and injured two persons along its path. A second tornado touched down briefly seven miles east of Hamlin and damaged eight homes and injured two persons. A third tornado touched down briefly in open country eight miles southwest of Stamford. A fourth tornado touched down briefly in Radium and destroyed four mobile homes and injured three persons. A downburst destroyed a barn and blew down power lines three miles west of Tuxedo. A funnel cloud was observed in open country eight miles northwest of Hawley. At Lake Fort Phantom Hill (four miles northeast of Abilene), strong winds heavily damaged exposed points on the east side of the lake. Numerous piers, boat shed, and patio covers were heavily damaged. Four mobile homes were destroyed and six houses were unroofed on the northeast side of the lake near the intersection of Farm to Market Roads 2833 and 1082. Twenty-four utility poles were snapped off and several trees were blown over. A funnel cloud was observed in open country one mile north of Anson. A fifth tornado touched down briefly eight miles north of Anson and destroyed eight homes, injured two persons by flying debris, and overturned a tractor-semitrailer. Lightning ignited an oil tank battery one mile southwest of Anson at the intersection of State Highway 92 and U.S. Highway 277. A brief tornado was observed in open country three miles southwest of Lueders. A downburst blew over four transmission towers three miles

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

southeast of Funston and blew down several trees four miles east of Hawley at 1915 CST. A brief tornado damaged the warehouse at the Pride Refinery (four miles northeast of Abilene) at 1930 CST. A funnel cloud was observed at Lake Fort Phantom (four miles northeast of Abilene) at 1929 CST. Strong winds damaged several homes and blew down power lines eight miles east of Hawley at 1930 CST.

Haskell County  
2 N Stamford      14 1744CST      0 0 ? ?      Hail (0.88)

Shackelford County  
9 W Albany      14 1900CST      0 0 ? ?      Hail (0.75)  
10 E Leuders      14 1915CST      0 0 ? ?      Hail (0.75)

Northern Texas      16

Severe thunderstorms developed across northern Texas along and in advance of a cold front that moved through the area on May 16th.

Collin County  
Plano      16 0700CST      0 0 5 ?      Lightning

Lightning ignited a fire to an apartment duplex and produced \$60,000 damage.

Hopkins County  
6 W Sulphur Springs      16 1240CST      0 0 ? ?      Hail (2.75)  
5 N Sulphur Springs      16 1245CST      0 0 ? ?      Hail (2.75)

Baseball-size hail shattered automobile windshields five miles north of Sulphur Springs at 1245 CST.

Titus County  
Winfield      16 1350CST      0 0 ? ?      Thunderstorm Wind  
1 W Mount Pleasant      16 1400CST      0 0 ? ?      Thunderstorm Wind (G52)

A downburst blew down several trees along U.S. Highway 67 in the northern portion of Winfield at 1350 CST and power lines one mile west of Mount Pleasant at 1400 CST.

Bowie County  
10 SW Maud      16 1420CST                               Funnel Cloud  
3 N Naples      16 1423CST      0 0 ? ?      Hail (1.75)  
Eylau      16 1430CST      0 0 ? ?      Thunderstorm Wind  
5 SW Naples      16 1450CST-  
1451CST      Short Narrow 0 0 ? ?      Tornado (F2)  
Maud      16 1500CST-  
1501CST      Short Narrow 0 0 ? ?      Tornado (F2)  
7 SW Texarkana      16 1525CST-  
1526CST      Short Narrow 0 0 ? ?      Tornado (F1)  
Maud      16 1514CST      0 0 ? ?      Thunderstorm Wind (G52)  
Wake Village      16 1535CST-  
1536CST      Short Narrow 0 0 ? ?      Tornado (F2)  
3 SW Texarkana      16 1540CST      0 0 ? ?      Hail (1.75)

A funnel cloud was observed in open country ten miles southwest of Maud. Strong winds severely damaged seven homes, one mobile home, and produced minor damage to 15 additional homes. Also, several trees were uprooted, power lines were blown down, and one tree damaged the roof of a home. Two brief tornadoes uprooted several trees five miles southwest of Naples at 1450 CST and near Maud at 1500 CST. A third brief tornado damaged a house and a mobile home in open country seven miles southwest of Texarkana. An aircraft pilot observed a fourth brief tornado uprooting trees near Wake Village.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

### Cass County

5 SW Maud	16	1450CST- 1451CST	Short	Narrow	0	0	?	?	Tornado (F1)
Bryans Mill	16	1455CST			0	0	?	?	Thunderstorm Wind
Bryans Mill	16	1505CST			0	0	?	?	Thunderstorm Wind
4 NE Domino	16	1509CST			0	0	?	?	Hail (1.75)
5 NW Douglasville	16	1510CST- 1511CST	Short	Narrow	0	0	?	?	Tornado (F2)
4 NE Domino	16	1530CST			0	0	?	?	Thunderstorm Wind
Antioch	16	1538CST			0	0	?	?	Thunderstorm Wind (G52)
10 N Queen City	16	1548CST			0	0	?	?	Thunderstorm Wind Hail (1.00)

A confirmed tornado touched down briefly five miles southwest of Maud and blew down several trees. Strong winds blew down trees at Bryans Mill at both 1455 CST and 1505 CST. Golf ball-size hail fell at Wright Patman Dam (four miles northeast of Domino). A confirmed tornado touched down five miles northwest of Douglasville and uprooted several trees. Strong winds damaged a mobile home and two residences near Wright Patman Dam (four miles northeast of Domino.) Strong winds blew down several trees at Antioch. Several mobile homes had roof damage from falling trees.

### Grayson County

3 W Howe	16	1624CST			0	0	?	?	Hail (0.75)
Tom Bean	16	1630CST			0	0	?	?	Hail (0.75)
Howe	16	1645CST			0	0	?	?	Thunderstorm Wind

A downburst broke large tree limbs and damaged the roof of a home in Howe.

### Delta County

Cooper	16	1835CST			0	0	?	?	Hail (0.75)
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Dime-size hail fell continuously for 5 minutes at Cooper.

### Hunt County

4 SE Commerce	16	1925CST			0	0	?	?	Thunderstorm Wind
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A downburst blew down several large trees four miles southeast of Commerce.

### Titus County

1 NW Talco	16	1930CST- 1931CST	Short	Narrow	0	0	?	?	Tornado (F1)
Winfield	16	2000CST- 2001CST	Short	Narrow	0	0	?	?	Tornado (F1)

A brief tornado blew several trees down one mile northwest of Talco. A tornado uprooted several trees near Winfield.

### Hopkins County

1 N Cumby	16	1930CST			0	0	?	?	Thunderstorm Wind
Sulphur Springs	16	1930CST			0	0	?	?	Lightning

A downburst blew down several large trees one mile north of Cumby. Lightning struck a newspaper building in Sulphur Springs.

### Kaufman County

4 N Elmo	16	2030CST			0	0	?	?	Thunderstorm Wind
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A downburst blew down several large trees at County Road 336 located four miles north of Elmo.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

<b>Van Zandt County</b> Wills Point	16	2035CST			0	0	?	?	Thunderstorm Wind (G52)
									A downburst blew down several large trees and damaged the roof of a building at Wills Point.
<b>Bowie County</b> Redwater	16	2040CST			0	0	?	?	Hail (0.75)
<b>Morris County</b> Lone Star	16	2045CST			0	0	?	?	Thunderstorm Wind
									A downburst blew down several trees at Lone Star.
<b>Bowie and Cass Counties</b>	16 17	2100CST- 0000CST			0	0	?	?	Flash Flooding
									Rainfall amounts of two to three inches with isolated amounts up to four inches in a period of less than four hours produced widespread lowland flooding over both Bowie and Cass counties.
<b>Cass County</b> Atlanta	16	2115CST			0	0	?	?	Thunderstorm Wind
									Strong winds blew down several trees in Atlanta.
<b>Bosque County</b> Valley Mills	16	2135CST			0	0	?	?	Thunderstorm Wind (G59)
<b>Marion County</b> Jefferson	16	2145CST			0	0	?	?	Hail (1.00)
<b>Anderson County</b> Tennessee Colony	16	2200CST			0	0	?	?	Thunderstorm Wind
									A downburst blew down several trees on U.S. Highway 287 near Tennessee Colony.
<b>Harrison County</b> Harleton	16	2222CST			0	0	?	?	Thunderstorm Wind
7 SW Waskom	16	2228CST			0	0	?	?	Hail (0.75)
									A downburst blew numerous trees down in Harleton.
<b>Gregg County</b> 5 E Longview	16	2226CST			0	0	?	?	Thunderstorm Wind
									A downburst blew down several trees 5 miles east of Longview.
<b>Northern Texas</b>	18								
									A warm front stretched east from the Big Bend into southern sections of northeast Texas on May 18th. As the warm frontal boundary moved northward several strong thunderstorms developed over north Texas and produced large hail, damaging bursts of wind, and a few brief tornadoes.
<b>Coryell County</b> 5 SE Gatesville	18	1350CST							Funnel Cloud
									A funnel cloud was observed in open country five miles southeast of Gatesville.
<b>McLennan County</b> Waco	18	1504CST							Funnel Cloud
Waco	18	1518CST			0	0	?	?	Thunderstorm Wind (G50)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

4 NNW Waco	18	1520CST			0	0	?	?	Thunderstorm Wind
2 NW Northcrest	18	1525CST- 1526CST	Short	Narrow	0	0	?	?	Tornado (F2)

A funnel cloud was observed at the Waco Regional Airport at 1504 CST. Strong winds severely damaged a 24-foot travel trailer four miles north-northwest of Waco at 1520 CST. A tornado touched down briefly at the intersection of Farm to Market Roads 308 and 933 and destroyed a barn and uprooted several trees.

### Bosque County

11 WNW Meridian	18	1602CST			0	0	?	?	Hail (1.75)
Iredell	18	1610CST			0	0	?	?	Hail (1.75)
4 NW Meridian	18	1614CST			0	0	?	?	Funnel Cloud
Walnut Springs	18	1645CST			0	0	?	?	Hail (1.75)
Walnut Springs	18	1648CST			0	0	?	?	Hail (0.75)

### Freestone County

4 NE Fairfield	18	1830CST			0	0	?	?	Hail (0.75)
Bell County Temple	18	1831CST							Funnel Cloud

A funnel cloud was observed over Temple Lake Park in Temple.

### Coryell County

Whitehall	18	1841CST							Funnel Cloud
McLennan County 3 W Eddy	18	1912CST							Funnel Cloud

### Cherokee County

Jacksonville	18	2130CST			0	0	?	?	Hail (1.50)
New Summerfield	18	2200CST			0	0	?	?	Hail (1.00)

### Rusk County

12 SW Henderson	18	2249CST			0	0	?	?	Thunderstorm Wind Hail (1.00)
10 NE Reklaw	18	2249CST							Funnel Cloud

Strong winds blew down several trees 12 miles southwest of Henderson.

### Cass County

1 SE Hughes Springs	19	1915CST			0	0	?	?	Hail (1.00)
12 SW Linden	19	1925CST			0	0	?	?	Thunderstorm Wind Hail (1.00)

A downburst blew down several trees 12 miles southwest of Linden.

### Hamilton County

Hico	20	0805CST			0	0	?	?	Thunderstorm Wind
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Strong wind downed power lines and tore the roof off a portion of a hospital in Hico.

### Johnson County

Burleson	20	0830CST			0	0	?	?	Thunderstorm Wind
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Strong winds blew down several trees in Burleson.

### Tarrant County

Arlington	20	0830CST			0	0	?	?	Thunderstorm Wind
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### Rockwall County

Rockwall	20	0904CST			0	0	?	?	Hail (0.88)
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### McLennan County

Woodway	20	1010CST- 1011CST	Short	Narrow	0	0	?	?	Tornado (F1)
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A tornado touched down briefly in open country near Woodway.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

Shelby County  
Shelbyville      20 1132CST      0 0 ? ?      Thunderstorm Wind  
Hail (1.00)

A downburst blew down several trees in Shelbyville.

Panola County  
8 S DeBerry      20 1210CST      0 0 ? ?      Hail (1.75)

Limestone County  
1 NW Thorton      20 1854CST      0 0 ? ?      Hail (0.88)  
1 W Thorton      20 1855CST      0 0 ? ?      Hail (1.75)

Cass County  
1 SE Hughes  
Springs      20 1915CST      0 0 ? ?      Hail (1.25)  
12 SW Linden      20 1925CST      0 0 ? ?      Thunderstorm Wind  
Hail (1.00)

A downburst blew down several trees 12 miles southwest of Linden.

### Northern Texas      26-27

A thunderstorm outflow boundary extending across northeast Oklahoma during the morning of May 26th served as the focus for strong thunderstorms that developed southward into north Texas on May 26th and May 27th.

Parker County  
Whitt      26 1325CST      0 0 ? ?      Hail (1.75)  
Reno      26 1425CST      0 0 ? ?      Hail (0.75)  
1 S Weatherford      26 1445CST      0 0 ? ?      Hail (1.00)

Wise County  
8 NW Decatur      26 1410CST      0 0 ? ?      Hail (0.88)

Erath County  
Stephenville      26 1535CST      0 0 ? ?      Hail (0.88)

Hood County  
Granbury      26 1730CST      0 0 ? ?      Hail (1.00)

Hill County  
Hillsboro      26 1855CST      0 0 ? ?      Hail (0.75)

Bynum      26 1910CST      0 0 ? ?      Hail (0.75)

Montague County  
Montague      26 2356CST      0 0 ? ?      Hail (0.75)

Cooke County  
Muenster      27 0100CST      0 0 ? ?      Hail (0.75)

Bowie County  
1 N Maud      27 0234CST      0 0 ? ?      Thunderstorm Wind

A downburst blew down several trees one mile north of Maud.

Fannin County  
Bonham      27 0330CST      0 0 ? ?      Thunderstorm Wind

Strong winds blew large tree limbs off several trees in Bonham.

Harrison, Marion,  
Southwestern Cass  
Counties      27 1100CST-  
1330CST      0 0 ? ?      Flash Flooding

Widespread heavy rains of two to four inches fell over Harrison, Marion, and Cass counties. Heavy rains of 3.46 inches fell in a one and one-half hour period at Atlanta in Cass County where total rainfall amounts of 4.03 inches were observed. Flash flooding was observed over several roadways from small streams which were near bank full or over their banks.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

**Panola County**  
3 NW Gary  
Gary

27	1215CST				0	0	?	?	Thunderstorm Wind
27	1215CST				0	0	?	?	Thunderstorm Wind

A downburst blew down several trees and the roof off several boat houses at Lake Marvail (three miles northwest of Gary) and several trees in Gary.

**Harrison County**  
3 S Waskom

27	1222CST				0	0	?	?	Thunderstorm Wind (G52)
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A downburst blew down several trees down on Farm to Market Road 9 located three miles south of Waskom.

**Shelby County**  
2 NE Tenaha  
Paxton

27	1245CST				0	0	?	?	Thunderstorm Wind
27	1252CST				0	0	?	?	Thunderstorm Wind (G61)

A downburst destroyed several outbuildings and trees two miles northeast of Tenaha. Strong winds of 70 mph blew down power lines and several trees at Paxton.

**Rusk County**  
Tatum  
Mount Enterprise

27	1257CST				0	0	?	?	Thunderstorm Wind
27	1257CST				0	0	?	?	Thunderstorm Wind

A downburst blew down several trees at both Tatum and Mount Enterprise.

**Brown County**  
Indian Creek

27	1545CST				0	0	?	?	Hail (0.75)
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**Clay County**  
15 S Henrietta  
1 SW Bluegrove to 3 SW Bluegrove  
2 E Vashti  
3 SE Vashti

27	1630CST-1631CST	Short	Narrow		0	0	?	?	Tornado (F1)
27	1635CST-1640CST	2	50		0	0	?	?	Tornado (F1)
27	1700CST				0	0	?	?	Hail (0.88)
27	1720CST				0	0	?	?	Hail (1.00)

A brief tornado was observed in open country 15 miles south of Henrietta. A tornado was observed in open country one mile southwest of Bluegrove and moved southeast to three miles south of Bluegrove before dissipating.

**San Saba County**  
Richland Springs  
5 W San Saba

27	1645CST				0	0	?	?	Hail (1.75)
27	1655CST				0	0	?	?	Hail (1.75)

**Brown County**  
Lake Brownwood

27	1715CST				0	0	?	?	Hail (2.00)
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**Montague County**  
Bowie

27	1740CST				0	0	?	?	Hail (0.88)
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**Parker County**  
1 N Peaster  
Peaster  
Millsap  
7 E Mineral Wells  
Brock  
11 S Weatherford

27	1755CST				0	0	?	?	Hail (1.75)
27	1825CST				0	0	?	?	Thunderstorm Wind (G65)
27	1835CST				0	0	?	?	Thunderstorm Wind (G65)
27	1845CST				0	0	?	?	Hail (1.75)
27	1900CST				0	0	?	?	Hail (1.75)
27	1900CST				0	0	?	?	Hail (1.75)

**Comanche County**  
Comanche

27	1820CST				0	0	?	?	Hail (1.00)
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**Hamilton County**  
Hico

27	1855CST				0	0	?	?	Hail (0.75)
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**Somervell County**  
5 S Glen Rose  
2 E Glen Rose

27	1855CST				0	0	?	?	Hail (1.75)
27	1859CST				0	0	?	?	Hail (1.75)
									Hail (1.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

Hood County 9 S Lipan	27	1921CST			0	0	?	?	Hail (0.88)
Erath County Morgan Mill	27	1931CST			0	0	?	?	Thunderstorm Wind Hail (1.75)
1 S Lingleville	27	1941CST			0	0	?	?	Hail (1.75)
Huckabay	27	1950CST			0	0	?	?	Hail (1.75)
Bluff Dale	27	1955CST			0	0	?	?	Hail (1.00)
Stephenville	27	1958CST			0	0	?	?	Thunderstorm Wind (G56)
5 NW Dublin	27	2015CST							Funnel Cloud

Strong winds blew down several trees at Morgan Mill.

Johnson County 3 E Cleburne	27	1945CST			0	0	?	?	Hail (0.75)
Coryell County Gatesville	27	2200CST			0	0	?	?	Hail (1.00)
Lampasas County Lampasas	27	2230CST-			0	0	?	?	Hail (1.75)
Lampasas	28	0020CST			0	0	?	?	Thunderstorm Wind

Strong winds blew down numerous large tree limbs at Lampasasa at 0020 CST.

Bell County Belton	27	2330CST			0	0	?	?	Thunderstorm Wind (G52)
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Strong winds blew down large tree limbs at Belton.

## North Texas 29-31

A strong upper-level storm system lifted out of the southern Rockies on May 29th and moved across northern Texas through May 31st. Several severe thunderstorms developed over northern Texas and produced large hail, damaging bursts of wind, and a few tornadoes. Heavy rains of three to seven inches also aggravated the already saturated soil conditions over north Texas and a number of flash flood events occurred.

Knox County Rhineland	29	1712CST			0	0	?	?	Hail (1.75)
Goree	29	1723CST			0	0	?	?	Hail (1.00)
Baylor County 1 NE Mabelle	29	1830CST			0	0	?	?	Hail (1.00)
Haskell County Rochester	29	1830CST			0	0	?	?	Hail (1.75)
Archer County 1 S Mankins	29	1858CST			0	0	?	?	Hail (0.75)
1 SW Holliday	29	1907CST			0	0	?	?	Hail (0.75)
1 SW Holliday	29	1912CST			0	0	?	?	Hail (1.75)
1 SW Holliday	29	1927CST			0	0	?	?	Thunderstorm Wind (G61)
Holliday	29	1938CST			0	0	?	?	Thunderstorm Wind (G61)
Throckmorton County 9 NW	29	1912CST			0	0	?	?	Hail (1.75)
Young County 7 N Graham	29	2027CST			0	0	?	?	Hail (0.75)
Jack County Jacksboro	29	2125CST			0	0	?	?	Hail (1.00)
Jacksboro	29	2300CST			0	0	?	?	Hail (1.00)
Wise County Alvord	29	2153CST			0	0	?	?	Thunderstorm Wind (G52)
Lake Bridgeport	29	2200CST			0	0	?	?	Hail (0.75)
Lake Bridgeport	29	2205CST			0	0	?	?	Hail (1.75)



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

Chico	29	2214CST			0	0	?	?	Hail (1.75)
Decatur	29	2240CST			0	0	?	?	Hail (0.75)
Bridgeport	29	2240CST			0	0	?	?	Hail (1.25)
Decatur	29	2250CST-							
	30	0300CST			0	0	?	?	Flash Flooding
Lake Bridgeport	29	2245CST			0	0	?	?	Hail (1.75)
3 N Paradise	29	2315CST-							
		2316CST	Short	Narrow	0	0	?	?	Tornado (F1)
1 W Paradise	29	2350CST			0	0	?	?	Thunderstorm Wind Hail (0.75)

High water was observed over U.S. Highway 287 near Decatur. At 2315 CST, a brief tornado touched down three miles north of Paradise. At 2350 CST, a downburst overturned a couple of outdoor buildings and blew down several trees in Paradise.

Somervell County									
Glen Rose	29	2253CST			0	0	?	?	Hail (0.75)
Denton County									
2 E Sanger	29	2325CST			0	0	?	?	Hail (0.75)
Cooke County									
Valley View	29	2330CST			0	0	?	?	Thunderstorm Wind

Strong winds overturned 5 mobile homes in Valley View.

Henderson County									
Cedar Creek Res	30	0245CST			0	0	?	?	Hail (0.75)
Harrison County									
Darco	30	1645CST			0	0	?	?	Hail (2.00)
Elysian Fields	30	1715CST			0	0	?	?	Thunderstorm Wind (G52) Hail (1.25)
Uncertain	30	1725CST			0	0	?	?	Hail (2.50)
Waskom	30	1730CST			0	0	?	?	Thunderstorm Wind (G52) Hail (2.00)
1 W Waskom	30	1805CST-							
		1806CST	Short	Narrow	0	0	?	?	Tornado (F2)
5 SW Marshall	30	1820CST			0	0	?	?	Hail (2.75)
2 W Waskom	30	1759CST							Funnel Cloud
5 SW Marshall	30	1800CST-							
		1801CST	Short	Narrow	0	0	?	?	Tornado (F2)
4 NW Uncertain	30	1950CST-							
		1951CST	Short	Narrow	0	0	?	?	Tornado (F2)

Three tornadoes touched down briefly in Harrison County and uprooted several trees. An outbuilding was destroyed one mile west of Waskom, power lines were blown down five miles southwest of Marshall, and several boat sheds were destroyed at Lake Caddo (four miles northwest of Uncertain).

Smith County									
Tyler	30	1651CST			0	0	6	?	Hail (1.75)
6 SSW Tyler	30	1709CST-							
		1710CST	Short	Narrow	0	0	?	?	Tornado (F1)
2 SE Tyler	30	1714CST-			0	0	?	?	Hail (2.75)
4 SW Tyler	30	1713CST-							
		1714CST	Short	Narrow	0	0	?	?	Tornado (F1)
1 SW Overton	30	1812CST							Funnel Cloud

Golf ball-size hail fell continuously from 1651 to 1712 CST and severely damaged numerous automobiles and homes. Damage estimates due to large hail near Tyler was estimated at approximately \$500,000. Two tornadoes touched down briefly southwest of Tyler and snapped several trees.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

<b>Cass County</b>									
Hughes Springs	30	1653CST			0	0	?	?	Hail (0.75)
Carterville	30	1700CST			0	0	?	?	Hail (1.75)
8 SE Hughes Springs									
	30	1730CST-							
		1731CST	Short	Narrow	0	0	?	?	Tornado (F2)
3 N Kildare	30	1755CST-							
		1756CST	Short	Narrow	0	0	?	?	Tornado (F2)
5 E Linden	30	1850CST			0	0	?	?	Hail (1.75)

A tornado touched down eight miles southeast of Hughes Springs and three miles north of Kildare. Several trees and power lines were blown down along each tornado's path.

<b>Fannin County</b>									
Monkstown	30	1705CST			0	0	?	?	Thunderstorm Wind

Strong winds blew down several trees at Monkstown.

<b>Marion County</b>									
Smithland	30	1720CST			0	0	?	?	Thunderstorm Wind
5 E Jefferson									
8 E Jefferson to									
10 E Jefferson	30	1810CST			0	0	?	?	Hail (2.00)
10 E Jefferson	30	1813CST-			0	0	?	?	Hail (1.75)
10 E Jefferson	30	1817CST	2	100	0	0	?	?	Tornado (F2)
1 S Gray	30	1815CST			0	0	?	?	Hail (2.50)
	30	1950CST-							
		1951CST	Short	Narrow	0	0	?	?	Tornado (F2)

Strong winds blew down several trees at Smithland. A tornado touched down eight miles east of Jefferson and moved east to ten miles east of Jefferson before dissipating. A barn was destroyed and several trees were uprooted along its path. A tornado touched down briefly one mile south of Gray and uprooted several trees.

<b>Lamar County</b>									
Direct	30	1741CST			0	0	?	?	Hail (1.75)

<b>Hopkins County</b>									
5 N Sulphur Springs									
	30	1810CST			0	0	?	?	Hail (1.5)
Nelta	30	1858CST			0	0	?	?	Hail (1.00)
1 N Tira	30	1900CST			0	0	?	?	Hail (0.75)
Nelta	30	1910CST			0	0	?	?	Thunderstorm Wind
6 N Sulphur Springs									
	30	1910CST			0	0	?	?	Hail (1.25)
Sulphur Springs	30	1923CST			0	0	?	?	Thunderstorm Wind (52)

Strong winds blew down several trees at Nelta and power lines in Sulphur Springs.

<b>Rusk County</b>									
1 S Overton to									
2 SE Overton	30	1851CST-							
Tatum	30	1822CST	1.5	100	0	0	?	?	Tornado (F2)
1 E New London	30	1800CST			0	0	?	?	Hail (1.75)
	30	1841CST-							
		1842CST	Short	Narrow	0	0	?	?	Tornado (F2)
1 SW Tatum	30	1935CST-							
		1936CST	Short	Narrow	0	0	?	?	Tornado (F2)

A tornado touched down one mile south of Overton and moved east two miles southeast of Overton before dissipating. The tornado destroyed a barn one mile south of Overton, uprooted numerous trees, and blew down power lines along its path. A tornado uprooted several trees and blew down power lines one mile east of New London. A tornado uprooted several trees and blew down power lines one mile southwest of Tatum.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Northern Cont'd

<b>Delta County</b>									
7 N Cooper	30	1822CST			0	0	?	?	Hail (0.75)
Charleston	30	1829CST			0	0	?	?	Lightning
1 NW Cooper	30	1837CST			0	0	?	?	Thunderstorm Wind
Cooper	30	1840CST			0	0	?	?	Thunderstorm Wind
4 NW Cooper	30	1855CST			0	0	?	?	Hail (1.75)
Cooper	30	1857CST			0	0	?	?	Hail (1.75)
3 SE Charleston	30	1900CST			0	0	?	?	Hail (0.75)

Lightning ignited a fire to a building in Charleston. Strong winds blew down several trees and power lines at Cooper and the roof off an apartment complex one mile northwest of Cooper.

<b>Gregg County</b>									
Kilgore	30	1825CST			0	0	?	?	Hail (1.75)
<b>Panola County</b>									
DeBerry	30	1850CST-							
		1851CST	Short	Narrow	0	0	?	?	Tornado (F2)
1 E Carthage	30	1920CST-							
		1921CST	Short	Narrow	0	0	?	?	Tornado (F2)

Two tornadoes touched down briefly in Panola County and uprooted several trees. An outbuilding was destroyed at DeBerry while two barns were damaged one mile east of Carthage.

<b>McLennan County</b>									
Mart	30	1910CST			0	0	?	?	Hail (0.75)
<b>Hunt County</b>									
Commerce	30	1940CST			0	0	?	?	Thunderstorm Wind (G67) Hail (0.75)
<b>Rains County</b>									
Point	30	2010CST			0	0	?	?	Hail (0.75)
<b>Gregg, Harrison, Marion, Panola, and Rusk Counties</b>									
	30	2100CST-							
	31	0100CST			0	0	?	?	Flash Flooding

Widespread heavy rainfall of three to five inches over southern sections of northeast Texas resulted in the flash flooding of numerous secondary roads and low-lying areas. Major thoroughfares were closed during several intervals including U.S. Highway 259 and State Highway 96.

<b>Kaufman County</b>									
1 W Terrell	30	2130CST							Funnel Cloud
6 S Terrell	30	2205CST			0	0	?	?	Hail (0.75)
<b>Ellis County</b>									
	30	2245CST-							
	31	0530CST			0	0	?	?	Flash Flooding

Heavy rainfall amounts of three inches resulted in flash flooding of several secondary roadways and low-lying areas in Ellis County. High water was observed in both Ovilla and Red Oak.

<b>Johnson County</b>									
Joshua	30	2305CST			0	0	?	?	Hail (0.75)
	31	0000CST-							
		0300CST			0	0	?	?	Flash Flooding

Heavy rainfall amounts up to three inches in a two-hour period at Joshua produced flash flooding of streets in Homestead, Briar Oaks, and Farm to Market Roads 157 and 917.

<b>Panola County</b>									
Beckville	31	0040CST			0	0	?	?	Thunderstorm Wind Hail (1.75)

Strong wind blew down two trees in Beckville.





# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Southern Cont'd

TXZ037-045-046-048  
Lower Trinity River Basin

13 0 0 8 ? Record Flood

A record flood moved down the Trinity River producing widespread lowland flooding. The heavy rainfall that produced this flood occurred in northern Texas earlier in the month. The flooding began in the lower basin of river around the 13th and continued through the end of the month. A record-high gage reading on the river of 30.03 feet occurred at Liberty on Monday the 21st. The release from Lake Livingston at the time was a record 100,800 cubic feet per second. This release from the dam continued for four days. All river front sub-divisions along the river's 60 mile trek from Lake Livingston to Liberty were flooded. Flood waters along the river backed up and covered low lands surrounding the river for miles and miles. Numerous roads and highways leading into the area were closed for weeks.

The major brunt of the damage from the flood waters was felt in Liberty County where approximately 2,500 homes were flooded. Two hundred homes were declared a total loss. Seven-thousand persons in the county were evacuated. Damage was estimated to be near \$100 million. This does not include the damage to crops. The hardest hit was Dayton Lake Estates in the Trinity River bottom where flood waters isolated the community around the 13th and will continue well into the month of July. The only way in or out of the sub-division is by boat.

All together total homes flooded in the area was near 4,000. This would include homes in the following counties: Liberty, Polk, San Jacinto, Madison, Walker, and Chambers.

The brown shrimp and oyster crop was totally wiped out in Trinity and Galveston Bay due to the prolonged fresh water in the bays.

Travis County  
9 NNE Austin

18 1725CST Short Narrow 0 0 0 0 Tornado (FO)

A tornado was reported on the ground by the Round Rock Fire Department in the extreme northern part of the county west of Pflugerville near IH-35. Trees and fences were blown down. Roofs of homes were damaged. A day care center building with 100 youngsters inside had some roof damage when the tornado passed close by. Five homes in the area had major damage while 50 others had only minor damage. Winds were estimated by one observer to be well in the excess of 100 mph. The tornado was on the ground for a short distance. Other high winds in the area turned over a mobile home.

Hays County  
San Marcos

18 1600CST 0 0 ? 0 Thunderstorm Wind

High winds from a thunderstorm damaged roofs in San Marcos.

Webb County  
Laredo

20 1745CST 0 0 ? 0 Hail (1.25)

Hail was reported just north and east of the city.

Atascosa County

20 2115CST 0 0 ? ? Hail (1.75)

Golf ball-size hail fell in the northeast part of the county at Leming and Verdi. Some crops divested.

Wilson County  
Floresville

20 2140CST 0 0 ? ? Hail (1.75)

Hail broke out windows of homes in Floresville.

Kerr County

21 1343CST 0 0 ? ? Hail (1.75)

Golf ball-size hail reported southwest of the city of Kerrville. Exact location not known.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Southern Cont'd

Travis County  
N Austin  
Travis County  
Austin

21	1628CST					0	0	?	?	Hail (2.75)
21	1650CST					0	0	?	?	Hail (2.75)

Large hail damaged cars in downtown and southwest Austin.

Travis County  
W Austin

21	1719CST					0	0	?	?	Hail (3.00)
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Large hail reported on the west and southwest side of the city of Austin.

Williamson County

21	1725CST					0	0	?	?	Hail (1.75)
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Golf ball-size hail just south of Taylor.

Uvalde County  
6 W Uvalde  
Calhoun County  
2 W Port  
O Connor

21	1750CST					0	0	?	?	Hail (1.75)
22	1105CST	1.5	Narrow			0	0	?	?	?Tornado (FO)

A tornado was reported on the ground two miles west of Port O Connor. It was on the ground for a mile and a half. No damage reported. It was seen by several people.

Harris County  
W Houston  
Tyler County  
Spurger

22	1555CST					0	0	0	0	Hail (1.00)
27	1650CST					0	0	?	?	Thunderstorm Wind

Trees were blown down in and around Spurger.

Gillespie County  
Harper

27	2125CST					0	0	?	?	Hail (2.25)
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Travis County  
Austin

27	2354CST					0	0	?	?	Thunderstorm Wind (G60)
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A TV station on the northwest side of the city of Austin reported a wind gust to 69 mph.

Burnet County  
10 N Burnet

27	2355CST					0	0	?	?	Hail (1.75)
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Williamson County  
Round Rock

28	0002CST					0	0	?	?	Hail (1.00)
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Hail the size of ping pong balls was reported in the Brushy Creek area.

Travis County  
Austin

28	0002CST					0	0	?	?	Thunderstorm Wind (?)
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High winds from a thunderstorm uprooted large trees in northwest Austin.

Galveston County  
Galveston

28	1321CST					1	0	0	0	Lightning
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A woman on the beach on the western end of Galveston Island was struck by lightning and killed. She was making an effort to get her children out of the water. Local beach patrol was in the process of warning swimmers to get out of the water when the fatality occurred. Thousands of swimmers were on the beach. (F280).





# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Western Cont'd

### Collingsworth County

Quail	14	1630CST			0	0	3	0	Hail (1.25)
Sammorwood	14	1650CST			0	0	2	0	Hail (1.00)

A SKYWARN spotter reported half-dollar-size hail near Quail, and the public reported quarter-size hail in Sammorwood. No significant damage was observed.

### King County

5 NW Guthrie	14	1630CST	2.0	150	0	0	0	0	Tornado (F1)
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### Glasscock County

12 SSW Garden City	14	1632CST			0	0	0	0	Hail (0.75)
		1659CST			0	0	0	0	Hail (0.75)

The Midland County thunderstorm moved through Glasscock County, and a rainfall observer reported dime-size hail 12 miles south-southwest of Garden City. The hail fell for nearly 30 minutes.

### King County

2 N Guthrie	14	1647CST			0	0	0	0	Hail (2.75)
15 SE Guthrie	14	1740CST			0	0	2	0	Hail (4.50)

A SKYWARN spotter and storm chasers observed a tornado in northwest King County. Hail up to baseball-size was reported near Guthrie from 1647 to 1700 CST. As the slow-moving storm drifted southeast, softball-size hail fell across southeastern King County. The severe weather occurred over open country and no significant damage was observed.

### Cottle County

Dunlap	14	1645CST			0	0	1	0	Hail (1.75)
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The Cottle County Sheriff's Office reported golf ball-size hail in Dunlap. No significant damage was observed.

### Wheeler County

Shamrock	14	1704CST			0	0	3	2	Hail (4.00)
4 S Lela	14	1705CST			0	0	3	1	Hail (2.75)
3 W Shamrock	14	1708CST			0	0	2	0	Hail (1.75)
Shamrock	14	1712CST			0	0	2	0	Hail (1.00)

A portion of the Collingsworth County storm complex moved into Wheeler County. The Shamrock Police Department reported hail up to grapefruit-size in and near Shamrock. Baseball-size hail broke windows out of a house south of Lela.

### Upton County

Rankin	15	1509CST			0	0	0	0	Hail (0.75)
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The public reported dime-size hail in Rankin. No damage was observed.

### Presidio County

Marfa	17	1830CST			0	0	5	3	Hail (1.75)
Marfa	17	1840CST			0	0	4	1	Thunderstorm Wind (G70)
Marfa	17	1900CST			0	0	5	3	Flash Flood

A powerful thunderstorm moved across Marfa. Hail up to golf ball-size fell in parts of the city. Hail drifts up to ten inches deep on level ground were observed. Downburst winds estimated at 80 mph and torrential rains accompanied the hail. The storm damaged small aircraft and hangars at the Marfa Airport, and uprooted three buildings in Marfa. The heavy rainfall (and a lack of drainage) resulted in flash flooding which damaged several houses. Two vehicles were swept off roads by the floodwaters, but the passengers escaped uninjured. Several head of cattle and sheep were lost in the flood. Total damage is estimated at \$500,000.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Western Cont'd

**Pecos County**  
Iraan

17 2114CST                      0   0   2   0   Hail (2.75)

The public reported baseball-size hail in Iraan. No significant damage was observed.

**Crockett County**  
Western Crockett  
County

18 0140CST                      0   0   3   2   Flash Flood

Thunderstorms dropped up to seven inches of rain on western Crockett County. Creeks in the area rose as much as 12 feet before subsiding later in the morning. Fortunately, motorists remained clear of the flooded area and only minor damage was reported.

**Ochiltree County**  
Perryton  
2 SW Perryton  
Perryton

18 1732CST                      0   0   1   0   Hail (1.00)  
18 1745CST                      0   0   2   0   Hail (2.50)  
18 1753CST                      0   0   3   2   Hail (4.00)

The Perryton Police Department reported quarter-size hail at 1732 CST. Reports of up to grapefruit-size hail from the police and off-duty NWS personnel were received between 1745 and 1753 CST.

**Wheeler County**  
4 SW Wheeler  
Wheeler  
10 E Wheeler  
7 S Allison

18 1824CST                      0   0   2   1   Hail (1.50)  
18 1835CST                      0   0   2   2   Hail (1.75)  
18 1857CST                      0   0   0   0   Funnel  
18 1915CST                      0   0   2   1   Hail (1.75)

A low-precipitation storm moved through Wheeler County. The Wheeler County Sheriff's Office reported up to golf ball-size hail between 1824 and 1835 CST near Wheeler and a funnel cloud in eastern Wheeler County at 1857 CST. The Allison Fire Chief observed golf ball-size hail seven miles south of Allison at 1915 CST.

**Culberson County**  
Guadalupe Pass

19 1320CST                      0   0   0   0   High Wind (G53)

Westerly gradient winds gusted to 61 mph at Guadalupe Pass. No damage resulted.

**Lubbock County**  
Slaton

23 1800CST                      0   0   3   0   Flash Flood

Slow-moving thunderstorms across Lubbock County produced localized flash flooding. The Slaton Hospital reported minor damage to its basement from the flooding.

**Borden County**  
4 NE Vealmoor

24 2000CST                      0   0   0   0   Hail (0.75)

The public reported dime-size hail northeast of Vealmoor at 2000CST. No damage was observed.

**Gaines County**  
7 S Seminole

29 1230CST                      0   0   2   2   Hail (1.75)

The Gaines County Sheriff's Office observed golf ball-size hail south of Seminole at 1230 CST. No significant damage resulted.

**Lamb County**  
6 W Earth  
5 E Sudan  
5 E Sudan  
Olton

29 1233CST      1.5      60      0   0   0   0   Tornado (FO)  
29 1300CST      2.4      150      0   0   4   3   Tornado (F2)  
29 1305CST                      0   0   2   4   Hail (1.75)  
29 1315CST                      0   0   2   0   Thunderstorm Wind (G52)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Western Cont'd

A pair of severe thunderstorms moved through Lamb County. The northern storm produced a small tornado six miles west of Earth at 1233 CST, according to the public. The stronger southern storm produced a tornado and golf ball-size hail at 1300 to 1305 CST. This tornado downed 21 power poles and uprooted trees between Sudan and Amherst. Downburst winds at the storm's leading edge produced wind gusts to 60 mph in Olton, according to the Olton Fire Department.

**Ector County**  
Western Ector County  
Odessa

29	1258CST	0	0	0	0	0	Hail (0.75)
29	1307CST	0	0	2	1		Hail (1.00)
29	1320CST	0	0	1	1		Hail (1.00)

SKYWARN spotters and the Odessa Fire Department reported dime-to quarter-size hail in and west of Odessa between 1258 to 1320 CST.

**Crane County**  
Northern Crane County

29	1310CST	0	0	0	0	0	Hail (1.00)
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The Crane County Sheriff's Office and the Odessa Fire Department reported one-inch-diameter hail in northern Crane County. No damage was reported.

**Castro County**  
10 SE Dimmitt

29	1320CST	0	0	0	0	0	Hail (0.75)
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The Sheriff's Office reported dime-size hail ten miles southeast of Dimmitt at 1320 CST.

**Hockley County**  
Smyer

29	1358CST	0	0	5	3		Thunderstorm Wind (G59)
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Downburst winds demolished a barn near Smyer, according to the Texas Department of Public Safety. The winds also snapped six power poles and heavily damaged irrigation equipment.

**Martin County**  
9 NW Stanton

29	1400CST	0	0	0	0	0	Hail (0.75)
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The Stanton Police Department reported dime-size hail about nine miles northwest of Stanton at 1400 CST.

**Lubbock County**  
Abernathy

29	1405CST	0	0	2	6		Hail (1.75)
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A SKYWARN spotter observed golf ball-size hail southwest of Abernathy. The hail, driven by winds up to 50 mph, damaged over 6,000 acres of cotton.

**Midland County**  
15 W Midkiff

29	1422CST	0	0	0	0	0	Hail (1.00)
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The public reported one-inch hail 15 miles west of Midkiff in south Midland County at 1422 CST. No significant damage was reported.

**Hale County**  
6 S Hale Center

29	1425CST	0	0	2	0		Thunderstorm Wind (G61)
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Storm chasers reported wind gusts to 70 mph six miles south of Hale Center. No significant damage was noted.

**Lynn County**  
10 E Tahoka

29	1439CST	0.7	40	0	0	0	0	Tornado (F0)
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The Tahoka Fire Department observed a small tornado in eastern Lynn County. The tornado was over open country and no damage was observed.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Western Cont'd

### Schleicher County

9 W Eldorado	29	2058CST			0	0	0	0	Hail (1.75)
12 NW Eldorado	29	2103CST			0	0	0	0	Hail (1.75)
8 NW Eldorado	29	2355CST			0	0	2	0	Hail (1.75)

A thunderstorm produced golf ball-size hail west of Eldorado between 2058 and 2103 CST. The Sheriff's Office in Eldorado reported golf ball-size hail eight miles northwest of Eldorado on highway 190 at 2355 CST.

### Ochiltree County

Southern	31	1530CST	7.0	175	0	0	2	0	Tornado(F1)
Ochiltree County									
Southern	31	1530CST			0	0	2	0	Hail (1.75)
Ochiltree County									
5 SW Farnsworth	31	1600CST			0	0	0	0	Funnel Cloud
21 S Perryton	31	1609CST	1.2	50	0	0	0	0	Tornado (FO)
21 S Perryton	31	1609CST			0	0	0	0	Hail (1.00)

A series of four supercells tracked across the northern Texas Panhandle. Storm #1 produced a tornado and golf ball-size hail in southern Ochiltree County. The tornado touched down 13 miles south of Farnsworth and lifted 16 miles south of Perryton. The Ochiltree County Sheriff's Office observed numerous funnel clouds five miles southwest of Farnsworth at 1600 CST. The Sheriff's Office reported a tornado and quarter-size hail 21 miles south of Perryton at 1609 CST. The events occurred over open country and no significant damage was reported.

### Reeves County

Pecos	31	1617CST			0	0	2	0	Hail (1.00)
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The public observed quarter-size hail in Pecos at 1617 CST.

### Ward County

Monahans	31	1629CST			0	0	3	0	Hail (2.75)
Monahans	31	1639CST			0	0	0	0	Hail (1.75)

Baseball-size hail was reported by the public in Monahans at 1629 CST. Radio station KVKM in Monahans reported golf ball-size hail at 1639 CST.

### Briscoe County

Silverton	31	1712CST			0	0	1	0	Hail (0.88)
Quitaque	31	1745CST			0	0	1	0	Hail (1.00)

Dime- to nickel-size was observed in Silverton at 1712 CST. A spotter reported quarter-size hail in Quitaque at 1745 CST.

### Andrews County

13 W Andrews	31	1725CST			0	0	0	0	Hail (1.75)
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The public reported golf ball-size hail 13 miles west of the city of Andrews at 1725 CST. No significant damage was reported.

### Ochiltree County

7 S Waka	31	1714CST	14	*0.8	0	0	6	4	Tornado (F3)
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### Hansford County

3 S Spearman	31	1745CST	1.3	60	0	0	3	2	Tornado (F0)
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### Lipscomb County

Southern	31	1930CST			0	0	0	0	Hail (1.00)
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### Lipscomb County

Supercell #2 in the northern Panhandle produced a large tornado approximately seven miles south of Waka. The tornado was on the ground for 14 miles and occasionally had a path width of over one mile. The tornado damaged several farm houses and demolished four barns, a large tractor, and several oil pumping stations. The tornado lifted a 1830 CST 12 miles south of Perryton. Fortunately, no injuries were reported.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Western Cont'd

### Dawson County

2 N Lamesa	31	1948CST	2.5	130	0	0	0	0	Tornado (F1)
5 N Lamesa	31	1955CST			0	0	4	2	Thunderstorm Wind (G55)

A SKYWARN spotter observed a tornado two miles north of Lamesa. The tornado, which lifted at 2000 CST, was over open country and caused no damage. Downburst winds damaged a barn five miles north of Lamesa at 1955 CST.

### Collingsworth County

Samnorwood	31	2000CST			0	0	0	0	Hail (0.75)
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A spotter reported dime-size hail in Samnorwood, in northern Collingsworth County. No damage resulted.

### Ochiltree County

6 S Waka	31	2008CST	0.7	70	0	0	0	0	Tornado (F0)
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The Ochiltree County Sheriff's Office observed a tornado in extreme western Ochiltree County. No damage resulted.

### Hansford County

2 W Spearman	31	2014CST	0.6	50	0	0	0	0	Tornado (F0)
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The Texas Department of Public Safety reported a tornado two miles west of Spearman. No damage was observed.

### Cottle County

Dunlap	31	2036CST			0	0	2	0	Hail (1.75)
Paducah	31	2055CST			0	0	3	0	Hail (1.75)
Paducah	31	2105CST			0	0	4	4	Thunderstorm Wind (G70)

The Motley County storm moved through Cottle County. The Paducah Fire Department reported golf ball-size hail in Dunlap at 2036 CST. As the storm moved through Paducah, downburst winds estimated over 80 mph uprooted trees and damaged several buildings, grain equipment, and a drive-in theater. Golf ball-size hail was also observed in Paducah.

### Upton County

17 NNE Rankin	31	2045CST			0	0	0	0	Funnel Cloud
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A SKYWARN spotter observed a funnel cloud in eastern Upton County.

### Fisher County

2 N Roby	31	2250CST			0	0	3	0	Thunderstorm Wind (G50)
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Downburst winds blew down power lines just north of Roby at 2250 CST.

### Ochiltree County

20 S Farnsworth	31	2145CST	3.0	450	0	0	5	3	Tornado (F2)
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### Hemphill County

8 N Canadian	31	2215CST	0.6	75	0	0	0	0	Tornado (F0)
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8 NW Canadian	31	2241CST	0.5	70	0	0	2	0	Tornado (F0)
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9 NE Canadian	31	2258CST	1.1	90	0	0	1	0	Tornado (F1)
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Supercell #4 in the northern Panhandle produced a tornado in southern Ochiltree County at 2145 CST. This tornado traveled three miles during the ten minutes it was on the ground. The tornado touched down 12 miles south of Farnsworth and lifted 15 miles south-southeast of Farnsworth. The tornado damaged two farm houses and equipment as it moved east-southeast. No injuries were reported with this tornado.

As supercell #4 moved into northern Hemphill County, it produced three small tornadoes north of Canadian. All of the tornadoes were over open country and no significant damage was observed.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## TEXAS, Western Cont'd

Wheeler County 12 W Shamrock	31	2323CST	0.8	80	0	0	2	0	Tornado (F0)
2 S Kellerville	31	2349CST	0.6	65	0	0	0	0	Tornado (F0)

The public reported two small tornadoes in southwestern Wheeler County. The tornadoes were over open country and no significant damage resulted.

## UTAH

UTZ004-005-008- Eastern Utah	08	1230MST			0	0	4	0	High Wind
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A strong northwest flow associated with an upper trough moving through Utah brought high winds to much of the eastern portion of the state during the afternoon. Winds up to 80 mph were reported with some tree damage and road signs blown down.

UTZ001-003- Northwest Utah	09	0400MST			0	0	0	4	Late Freeze
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The cold airmass with the upper trough brought below freezing temperatures to fruit growing areas in northwest Utah causing some additional damage to orchards.

Davis County 10 W Bountiful	15	0935MST			0	0	0	0	Funnel Cloud
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A funnel cloud was sighted for several minutes over the Great Salt Lake.

UTZ004-010- Uintah, Daggett, and Duchesne Counties	24	1000MST			0	0	5	0	High Winds
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High winds behind a cold front caused damage to trees and vehicles in these counties and damaged boats on Flaming Gorge Reservoir. Winds were reported gusting up to 67 mph and were estimated to be stronger than that in some areas.

## VERMONT

Caledonia County St. Johnsbury	09	2011EST			0	0	2	0	Lightning
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Lightning struck a power transformer.

Essex County S. Lunenburg	17	Late Afternoon			0	0	3	0	Thunderstorm Wind
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Thunderstorm winds blew down a large white pine which crashed into a home.

## VIRGINIA

Augusta County	04	1922EDT	7.0	25	2	10	6	0	Tornado (F2)
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A tornado cut a path southwest to northeast through Augusta Springs, injuring seven and causing extensive damage. Trailers and weaker structures were demolished: a 100-year-old church was lifted off its foundation, buildings were unroofed and lost windows, part of a frame house was destroyed, part of a brick community center was destroyed, another building with an upstairs apartment was demolished. Also, large trees were uprooted or snapped off, and power lines were down. The tornado lifted on the east side of Augusta Springs. The storm that produced it passed east-northeast over a ridge 2500 feet high, with the tornado reforming on the east side of the ridge, crossing farm land and snapping off trees. The tornado then crossed a hill and hit a mobile home near the community of Swoope, killing both occupants. It continued only a short distance before dissipating. Augusta County officials estimated the storm's damage at about \$790,000. In all, 14 homes, five trailers, one church, two stores, one community center, at least six cars, and five farms suffered varying degrees of damage. (M27V M38V)



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## VIRGINIA Cont'd

**Amelia County      04 1935EST                                      0   0   3   0    Thunderstorm Winds**

Strong winds with a thunderstorm caused minor damage to two homes near Mannboro and numerous trees were downed. One person saw a small funnel but a damage survey revealed no evidence of tornadic activity. Winds in the area were estimated about 50 mph, based on damage.

**Chesterfield County      04 2020EDT      0      0      0   0    Thunderstorm Winds**

Two large trees were blown down across a road by winds with speeds estimated at 50 knots.

**Dinwiddie County      04 2148EDT                                      0   0   0   0    Thunderstorm Winds**

Sheriff's office reported very strong damaging winds near Ford. Wind speeds were estimated at 50 knots.

**Chesterfield County      04 2205EDT      0      0      0   0    Hail (1.75)**

Golf ball-size hail was reported in the southwest part of the county.

**City of Petersburg      04 2220EDT                                      0   0   3   0    Thunderstorm Winds**

Observer at waste water treatment plant reported several windows blown out by thunderstorm winds estimated to be at least 50 knots.

**Dinwiddie County      04 2230EDT                                      0   0   3   ?    Thunderstorm Winds**

Thunderstorms caused damage to trees in Sutherland, with minor damage to a house from a tree falling on it.

**Chesterfield County  
Colonial Heights 04      2145EDT      8.0      500      0   0   6   0    Tornado (F3)**

A tornado touched down at a marina five miles west-southwest of Winterpock in southern Chesterfield County on Lake Chesdin, damaging boats and trees. The tornado took a generally east-northeasterly, skipping path a little north of River Road for over five miles, then apparently lifted, only to touch down again to follow a path about a quarter-mile long in southern Colonial Heights, crossing over Interstate 95. At least 22 homes had major damage with minor damage to many others. In Colonial Heights, four large warehouses were damaged as the storm struck; just east of Interstate 95, a large store was heavily damaged, and two tractor-semitrailers were overturned. Golf ball-size hail was reported at some locations along the path, with a few people reporting larger hail. Damage is estimated at more than \$1,7 million.

**City of Manassas      10 1500EDT                                      0   0   3   0    Thunderstorm Winds**

Trees and power lines were downed and several outbuildings were damaged.

**Chesterfield County      10 1709EDT                                      0   0   5   0    Thunderstorm Winds**

In southern Chesterfield County, several large trees were blown over, some falling on and damaging homes in the Chester area. Power was knocked out to some 750 homes. Several buildings were unroofed and walls were toppled. Damage survey showed pattern characteristic of a microburst. Total damage estimated at \$200,000.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## VIRGINIA Cont'd

**Lancaster County**    10 1818EDT    4.1    200    0    0    6    0    **Tornado (F1)**

This tornado traveled in an east-northeast direction from two miles west-southwest of White Stone, and ending about two miles east-northeast of White Stone. The path was just over four miles long and it was intermittent. The greatest damage occurred in the center of White Stone. In addition to considerable tree damage, three buildings were heavily damaged, five stores lost plate-glass windows, and a mobile home was destroyed by trees falling on it. Total damage has been estimated at \$726,530.

**York County**    10 1835EDT                   0    0    0    0    **Thunderstorm Winds, Hail (1.75)**

Near Yorktown, a few trees were blown down, and marble- to golf ball-size hail was reported.

**Gloucester County**    10 1850EDT                   0    0    3    0    **Thunderstorm Winds**

Trees were blown down and a couple of roofs were damaged five miles west of Gloucester.

**City of Norfolk**    10 1920EDT-  
1940EDT                   0    0    4    0    **Thunderstorm Winds**

Trees were blown down, damaging cars, homes, and other buildings in several locations throughout the city of Norfolk. Winds of 49 knots were observed at ORF at 1927 EDT.

**Mouth of Chesapeake Bay**    10 1925EDT                   0    0    0    0    **Thunderstorm Winds**

Gusts to 70 knots were reported from the South Island of the Chesapeake Bay Bridge Tunnel and 40 knots at Cape Henry.

**City of Chesapeake**    10 1935EDT                   0    0    0    0    **Thunderstorm Winds**

Trees were blown down in the Deep Creek section of Chesapeake City.

**City of Virginia Beach**    10 1945EDT                   0    0    0    0    **Thunderstorm Winds**

Numerous small trees and limbs were blown down.

**Fluvanna County**    13 1710EDT                   0    0    0    0    **Thunderstorm Winds**

Sheriff's department reported several trees down along with power outages. Trees fell on cars, and a car was overturned. The damage occurred in five-mile area in the northern part of the county.

**Rockingham County**    15 1730EDT-  
1830EDT                   0    0    0    0    **Hail (1.75)**

Numerous reports were received of marble- to golf ball-size hail throughout the county. A car was damaged two miles west of Broadway.

**Pulaski, Giles, and Henry Counties**    29 0000EDT-  
29 1200EDT                   0    0    3    0    **Flooding**

Minor road flooding was reported in Pulaski and Henry counties. In the city of Pulaski, flood waters from Peak Creek covered several adjacent yards and basements. A few basements were flooded in Giles County.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## VIRGINIA Cont'd

<b>City of Bristol</b>	<b>29</b>	<b>afternoon</b>			<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>Thunderstorms Winds</b>
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Trees and power lines were downed at several locations within the city.

<b>Fairfax County</b>	<b>29</b>	<b>1300EDT-</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Flooding</b>
	<b>29</b>	<b>1800EDT</b>							

Several roads were flooded for up to five hours in Springfield and Annandale.

## WASHINGTON

**WAZ002-013**  
Northwestern  
Interior and  
South Central  
Washington

	<b>5</b>	<b>1400PST</b>			<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>High Wind</b>
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A strong Pacific cold front moving rapidly inland caused weather conditions at the east end of the Strait of Juan de Fuca to quickly change from sunny and calm to westerly winds 60 mph with ten-foot waves. Three recreational fishing boats capsized in the heavy seas off of Port Angeles resulting in five fatalities. Another recreational boater on South Puget Sound, near Olympia, died from exposure after the strong winds prevented him from bringing his boat ashore. Later the same evening as the weather system brought strong winds to the Columbia Gorge and southeastern Washington, two people drowned and two more were injured when 45 mph and six-foot waves capsized their 21-foot pleasure boat on the Columbia River near Kennewick. No other significant damage was reported.

Fatalities: near Port Angeles: M570, M470, M460, M220, M350.  
near Olympia: M440. near Kennewick: M60, M500.

## WAZ010

**Southeast**  
**Washington**

	<b>30</b>	<b>1300PST</b>			<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>Flash Flood</b>
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Runoff from late morning thunderstorms south of the town of Pomeroy caused an eight-foot wall of mud and water to sweep through the main streets of the southwest part of the small farming town. A retaining wall along a creek and a bridge sustained minor damage. A Catholic school, vacant at the time of the flood, received substantial damage when mud and debris broke windows allowing mud and water to flow into the basement. The flood also destroyed a private workshop and flooded the basements of several residences.

**WAZ002**  
Northwest  
Interior

	<b>31</b>	<b>1630PST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Funnel Cloud</b>
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A cold air funnel cloud associated with rain showers during a Puget Sound convergence zone was briefly spotted near Conway, five miles south of Mount Vernon.

## WEST VIRGINIA

**Preston County**  
**Kingwood**

	<b>3</b>	<b>1945EST</b>			<b>0</b>	<b>0</b>	<b>?</b>	<b>0</b>	<b>Thunderstorm Wind</b>
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**Roane County**  
**Spencer**

	<b>4</b>	<b>1505EST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Thunderstorm Wind</b>
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**Berkeley County**  
**3 W Martinsburg**

	<b>10</b>	<b>1315EST</b>			<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>Thunderstorm Wind</b>
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Top floor and roof of a cinderblock chicken house was sheared off at Arden. Debris damaged dump truck and shed. Estimated \$20,000 damage.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## WEST VIRGINIA Cont'd

Marion County									
Fairview	16	1705EST			0	0	?	0	Hail (1.75)
Fairmont	16	1715EST			0	0	?	0	Thunderstorm Wind
Roane County									
5 W Spencer	16	1745EST			0	0	?	0	Thunderstorm Wind
Calhoun County	16	1815EST			0	0	0	0	Thunderstorm Wind
Barbour County									
Phillipi	16	1920EST			0	0	?	0	Thunderstorm Wind

Golf ball-size hail fell at Fairview. Trees were fallen at Fairmont, Phillipi, Noble Ridge west of Spencer, and western Calhoun County.

Raleigh County									
Beckley	22	0700EST-0800EST			0	0	?	?	Urban & poor drainage flooding

Roads closed and cars damaged around the Beckley Plaza Mall.

Randolph County									
5 NE Elkins	26	1110EST-1215EST			0	0	?	?	Flash Flood
WV002-005-009	26	1000EST-1600EST			0	0	?	?	Small Stream and Urban Flooding
WV005-009	26	1600EST-			0	0	?	?	Minor river Flooding
	27	1600EST			0	0	?	?	Minor river Flooding

Stalnaker Run in northern Randolph County flooded homes and closed roads. Several small streams overflowed their banks in Pleasants, Ritchie, Doddridge, Lewis, Barbour, Harrison, Taylor, Upshur, Tucker, and Randolph counties. Holiday campers were forced to move to higher ground. Forty to 50 people attending a school reunion were stranded in western Lewis County. Their only access road was blocked by waters from Fink Creek. Rainfall totals of two to three inches were common along an east to west frontal system. Isolated maximum amounts around four inches fell in 24 hours. Buckhannon of Upshur County reported just over four inches (4.08). Harman of Randolph County had 3.8 inches. Minor river flooding occurred along the Tygart Valley, Cheat, and West Fork Rivers.

The Tygart Valley River crested around 20-feet at Philippi. The West Fork reached over 17 feet at Clarksburg.

Kanawha County									
2 N Charleston	26	1615EST			0	0	5	0	Thunderstorm Wind (G70)
Fayette County									
Glen Ferris - Gauley Bridge	26	1630EST-1700EST	0.5	250	0	0	4	0	Tornado (F2)
5 SE Gauley Bridge	26	1700EST			0	0	?	0	Thunderstorm Wind

Wind damage hit the Mink Shoals area of Kanawha County, including Elk Forest subdivision, Roselane Drive, Knollwood Road, and Dutch Road. Twenty mature trees were blown off at base and another 20-40 large trees crushed. Damage estimated \$60,000. The same storm feature moved easterly and produced an unusual tornado on a steep east-facing slope above Glen Ferris. Extensive damage to forested area began about 100 feet down slope. For about three-quarters mile after impact, only a few tree stumps were left. Tornado lifted off ground before reaching homes. Scattered thunderstorm wind damage as far east as Chimney Corner, where fallen trees blocked Route 16.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## WEST VIRGINIA Cont'd

Cabell County East Huntington	28	1540EST			0	0	0	0	Hail (0.75)
Putnam County 20 NW Charleston	28	1645EST			0	0	0	0	Hail (1.00)
Cabell County Wayne County Kenova, Ceredo, and Huntington	28	1600EST- 1900EST			0	0	5	0	Flash Flood

Thunderstorm downpours had rain rates of about one inch per hour. The NWS office at Tri-State Airport had two inches in less than three hours. About 50 cars received water damage. Several homes had flooded basements along Fourpole Creek in Huntington and along the Twelvepole Creek around Kenova and Ceredo. Estimated damage \$75,000.

## WISCONSIN

WIZ005-008-012-  
016-017-  
Eastern Wisconsin

10 Morning Into Early Afternoon					0	1	6	0	Heavy Snow
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A spring snowstorm dumped up to eight inches of very wet heavy snow over eastern Wisconsin. The snow combined with winds gusting to 35 mph to damage or destroy thousands of trees and down numerous power lines. Many residences, businesses, and vehicles were damaged by the falling trees. Total damage estimates were over \$4 million, including \$1.5 million in Washington County, and \$1 million each in both Waukesha and Milwaukee counties. Schools and businesses were closed, mail delivery was canceled, and numerous accidents occurred. Wisconsin Electric estimated over 30,000 customers were without power, some for up to two days. A 71-year-old woman was injured when a tree fell on her. In the city of Waukesha 80% of the 30,000 trees were damaged or destroyed. Snow amounts included eight inches in Muskego (Waukesha County) and Hartford (Washington County).

## WYOMING

WYZ001-004  
Northwest  
Mountains  
Big Horn  
Mountains

07 1800MST- 08 1400MST					0	0	0	0	Heavy Snow
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A late spring snowstorm dumped up to six to 14 inches of snow in Yellowstone National Park. Upwards of ten inches fell in the Big Horn Mountains.

Goshen County  
3 SW Fort  
Laramie

12 1453MST- 1458MST		0.1	20-40	0	0	0	0	Tornado (F0)
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A brief weak tornado down in open country about one mile south-southwest of the Fort Laramie National Historical Park around 1455 MST.

Converse County  
3 W Bill

13 1420MST		0.3- 0.5	25-50	0	0	0	0	Tornado (F0)
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Niobrara County  
Near Hat Creek

13 1525MST		0.3- 0.5	25-50	0	0	0	0	Tornado (F0)
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A band of thunderstorms moving through east-central Wyoming spawned two weak short lived tornadoes over open country. One was spotted three miles west of Bill at 1420 MST, while another one occurred near Hat Creek around 1525 MST.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## WYOMING Cont'd

**Goshen County**  
15 E Jay EM      18 1423MST      0 0 0 0      Hail (1.75)

A thunderstorm produced golf ball-size hail at a ranch 15 miles east of Jay EM at 1423 MST.

**Goshen County**  
Torrington Area      18 1510MST      0 0 0 0      Funnel Clouds

Funnel clouds were sighted near Torrington around 1510 MST.

**Goshen County**  
3 SW Fort Laramie      18 1610MST-1620MST      0.5-1.0      10-30      0 0 3 0      Tornado (F0)

A very weak tornado went right through the historical site of Old Fort Laramie around 1615 MST. It damaged a tree, some tents, and outbuildings, but none of the historical buildings.

**Laramie County**  
Near Cheyenne      20 1230MST-1300MST      0 0 0 0      Hail (1.00)

**Laramie County**  
Near Cheyenne      20 1255MST-1300MST      0.1      20-40      0 0 2 0      Tornado (F0)

**Laramie County**  
Near Cheyenne      20 1250MST-1300MST      0 0 0 0      Funnel Clouds

**Laramie County**  
15 W Cheyenne      20 1415MST      0 0 0 0      Funnel Clouds

A thunderstorm passing through Cheyenne produced hail from 1/2- to one-inch around 1230 to 1300 MST. The storm also spawned several funnel clouds just north and east of the city between 1250 and 1300 MST, with a brief touchdown damaging the roof of a barn about three miles north of Cheyenne. Later, weaker storms produced funnel clouds 15 miles west of Cheyenne at 1415 MST.

**Weston County**  
20 W Upton      20 1250MST      0.1      20-40      0 0 0 0      Tornado (F0)

Thunderstorms moving through Weston County spawned a short-lived tornado over open country about 20 miles west of Upton at 1250 MST.

**Campbell County**  
10-20 NW Gillette      22 2005MST      0 0 0 0      Funnel Clouds

Thunderstorms just northwest of Gillette produced a few brief funnel clouds around 2005 MST.

**Laramie County**  
7 SW Pine Bluffs      23 1455MST      0.1      20-40      0 0 0 0      Tornado (F0)

A thunderstorm moving through the Pine Bluffs area between 1430 and 1515 MST produced 0.50- to 1.00-inch hail, along with a brief weak tornado seven miles southwest of Pine Bluffs around 1455 MST.

WYZ010-011-013-014-016-  
Wind River Basin  
Central  
Southwest

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## WYOMING Cont'd

Red Desert Laramie Valley	24	0800MST- 1800MST			0	0	3	0	High Winds
<p>Strong winds occurred both ahead and behind a vigorous cold front. Wind damage to a trailer was reported near Mountain View in Unita County at 0800 MST, while winds damaged a sign and gas pump in Green River around 1500 MST. Wind gusts of around 60 mph were recorded at Rawlins at 1352 MST, Lander at 1415 MST, Rock Springs at 1519 MST, Laramie at 1525 MST, and at Casper at 1610 MST.</p>									
Laramie County Near Pine Bluffs	23	1430MST- 1515MST			0	0	0	0	Hail (1.00)
Fremont County Near Lander	24	1319MST			0	0	0	0	Thunderstorm Wind (G52)
<p>A thunderstorm produced a wind gust to 60 mph at the Lander Airport at 1319 MST.</p>									
Park County NW of Frannie	24	1420MST			0	0	0	0	Funnel Cloud
<p>A thunderstorm moving through extreme northeast Park County produced a funnel cloud just west and north of Frannie at 1420 MST. The thunderstorm and funnel cloud moved northeast into Montana, producing a tornado near Warren Mountain.</p>									
Platte County 5 NW Wheatland	24	1310MST	0.1	20-40	0	0	0	0	Tornado (F0)
Platte County 5 NW to 5 N Wheatland	24	1315MST- 1330MST			0	0	0	0	Hail (1.75)
<p>A brief tornado touched down about five miles northwest of Wheatland at 1310 MST causing no damage. The same storm then produced golf ball-size hail from five miles northwest to north of Wheatland from 1315 to 1330 MST.</p>									
Laramie County 30 NNW Cheyenne	24	1335MST			0	0	0	0	Hail (1.00)
Laramie County 10 E Horse Creek	24	1345MST	0.5	25-50	0	0	0	0	Tornado (F1)
Laramie County 30 N Cheyenne	24	1355MST- 1400MST	0.5- 1.0	25-50	0	0	0	0	Tornado (F1)
Goshen County 25 SW Torrington	24	1405MST- 1420MST	0.5- 1.0	25-50	0	0	0	0	Tornado (F1)
Laramie County 20-25 N Cheyenne	24	1410MST- 1420MST	0.5- 1.0	25-50	0	0	0	0	Tornado (F1)
<p>A thunderstorm complex developed across northern Laramie and southern Goshen counties. One-inch hail fell about 30 miles north-northwest of Cheyenne at 1335 MST. Followed by the development of a weak tornado ten miles east of Horse Creek at 1345 MST. Tornadoes were also spotted 30 miles north of Cheyenne at 1355 MST. At 1410 MST, another tornado formed about 20 to 25 miles north of Cheyenne. From 1405 to 1420 MST, a tornado was observed about 25 miles southwest of Torrington in southern Goshen County. All of the tornadoes were weak short-lived ones that occurred over open country and hence caused no damage.</p>									
Laramie County 20-25 N Cheyenne	24	1555MST- 1630MST	3.0- 5.0	150-400	0	0	3	0	Tornado (F2)
Laramie County 12 SW Lagrange	24	1610MST- 1620MST	0.5- 1.0	50-150	0	0	3	0	Tornado (F1)
Laramie County 25-35 NE	24	1600MST- 1640MST			0	0	2	0	Hail (1.75)

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## WYOMING Cont'd

Laramie County 3 W Albin	24	1645MST	0.2-0.5	25-50	0	0	0	0	Tornado (F1)
Laramie County Albin	24	1655MST-1715MST			0	0	3	2	Hail (2.50)
Laramie County 2 N Egbert	24	1755MST	0.1-0.2	20-40	0	0	0	0	Tornado (F0)
Laramie County 3 N Burns	24	1758MST-1810MST	0.1-0.3	20-40	0	0	0	0	Tornado (F0)
Laramie County 2 SE Burns	24	1810MST-1820MST	0.1-0.3	20-40	0	0	0	0	Tornado (F0)
Laramie County 5 N Pine Bluffs	24	1815MST-1825MST	0.1-0.3	20-40	0	0	0	0	Tornado (F0)
Laramie County Near Pine Bluffs	24	1815MST-1845MST			0	0	2	2	Hail (1.00)
Laramie County 3 S Pine Bluffs	24	1830MST-	0.1-0.3	20-40	0	0	0	0	Tornado (F0)
Laramie County SE Part	24	1930MST-2000MST			0	0	0	0	Funnel Clouds
Laramie County SE Part	24	1955MST-2005MST			0	0	2	1	Hail (1.75)

The largest single outbreak of tornadoes recorded in Wyoming occurred on the afternoon and evening of the 24th in Laramie County. A regenerative severe thunderstorm complex was the culprit. A number of weak, short-lived tornadoes continually formed and dissipated, while hail from the size of dimes up to tennis ball-size pelted the same general area. Hardest hit was northern and eastern Laramie County. The strongest tornadoes were reported about 25 to 35 miles northeast of Cheyenne at about 1555 to 1630 MST. In the Meriden area, a few trees were uprooted, fences and windmills damaged, and a stock tank was moved a half mile. The most intense tornado was reported to be a quarter of a mile wide some 25 to 30 miles northeast of Cheyenne at 1623 MST. Hail was largest in the vicinity of Albin at 1705 MST (tennis ball-size). Locally heavy rains also occurred, mainly over north-central Laramie County.

Campbell County 6 W Wright	24	1635MST-1643MST	1.0-2.0	50-100	0	0	0	0	Tornado (F1)
Campbell County 10 NE Wright	24	1650MST-1655MST	0.2-0.5	20-40	0	0	0	0	Tornado (F0)
Campbell County 20 W Wright	24	1736MST-1746MST	0.5-1.0	25-50	0	0	0	0	Tornado (F0)

A thunderstorm complex generated three tornadoes over southern Campbell County. The first and probably largest one was reported about six miles west of Wright near the Durham Ranch, where it took the roof off a hangar at the ranch. After this initial tornado dissipated, the same thunderstorm evidently spawned a second weaker tornado about ten miles northeast of Wright at 1650 MST. Another twister was sighted about 20 miles west of Wright at 1736 MST where it damaged some power poles and a repeater antenna near the Pumpkin Buttes.





# STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1990

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

## CORRECTIONS

### FEBRUARY 1990

#### MISSISSIPPI - Page 65

Delete:

Yalobusha County  
Coffeerville      09    1930CST **through** remainder of page

Page 66

Lee County  
Tupelo            09    2035CST **through**

Madison County  
7E Caston        09    2350CST

### MARCH 1990

#### MISSOURI - Page 112

Tornadoes - Number of days should read 2 and not 1.

## STORM DAMAGE CATAGORIES

REFERENCE NOTES

1	Less than \$50	0/Blank	None reported.
2	\$50 to \$500	*	Miles instead of yards.
3	\$500 to \$5,000	**	Yards instead of miles.
4	\$5,000 to \$50,000	@	Includes heavy sleet storm.
5	\$50,000 to \$500,000	#	Freezing drizzle and freezing rain, commonly known as glaze.
6	\$500,000 to \$5 Million	≠	Report incomplete.
7	\$5 Million to \$50 Million	≠≠	Report not received.
8	\$50 Million to \$500 Million	o/c	Indicates Crop Damage amount is included in the value given for property damage.
9	\$500 Million to \$5 Billion		

When reports are not received or are incomplete, the Storm Summary National Death and Injury totals may also be incomplete.

Definition of Fujita Tornado Scale (F scale)

- (F0) Gale tornado (40-72 mph): Light damage  
Some damage to chimneys; break branches off trees; push over shallow-rooted trees; damage sign boards.
- (F1) Moderate tornado (73-112 mph): Moderate damage  
The lower limit (73 mph) is the beginning of hurricane wind speed; peel surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads.
- (F2) Significant tornado (113-157 mph): Considerable damage  
Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.
- (F3) Severe tornado (158-206 mph): Severe damage  
Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.
- (F4) Devastating tornado (207-260 mph): Devastating damage  
Well-constructed houses leveled; structure with weak foundation blown off some distance; cars thrown and large missiles generated.
- (F5) Incredible tornado (261-318 mph): Incredible damage  
Strong frame houses lifted off foundations and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 m; trees debarked; incredible phenomena will occur.
- (F6-F12) (319 mph to Mach 1, the speed of sound):  
The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

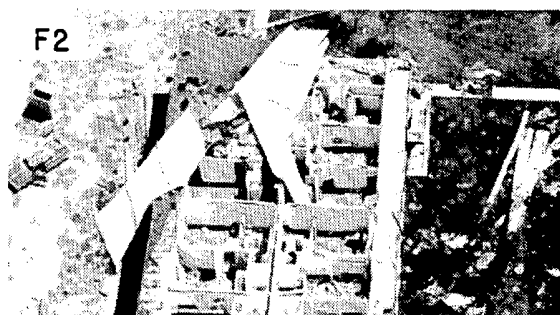
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(F0+F1) *Weak Tornado*

(F2+F3) *Strong Tornado*

(F4+F5) *Violent Tornado*

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From J. Atmos. Sci., August 1981, p. 1517-1519

USCOMM-NOAA-ASHEVILLE, N.C. 1990-1800

# STORM SUMMARY

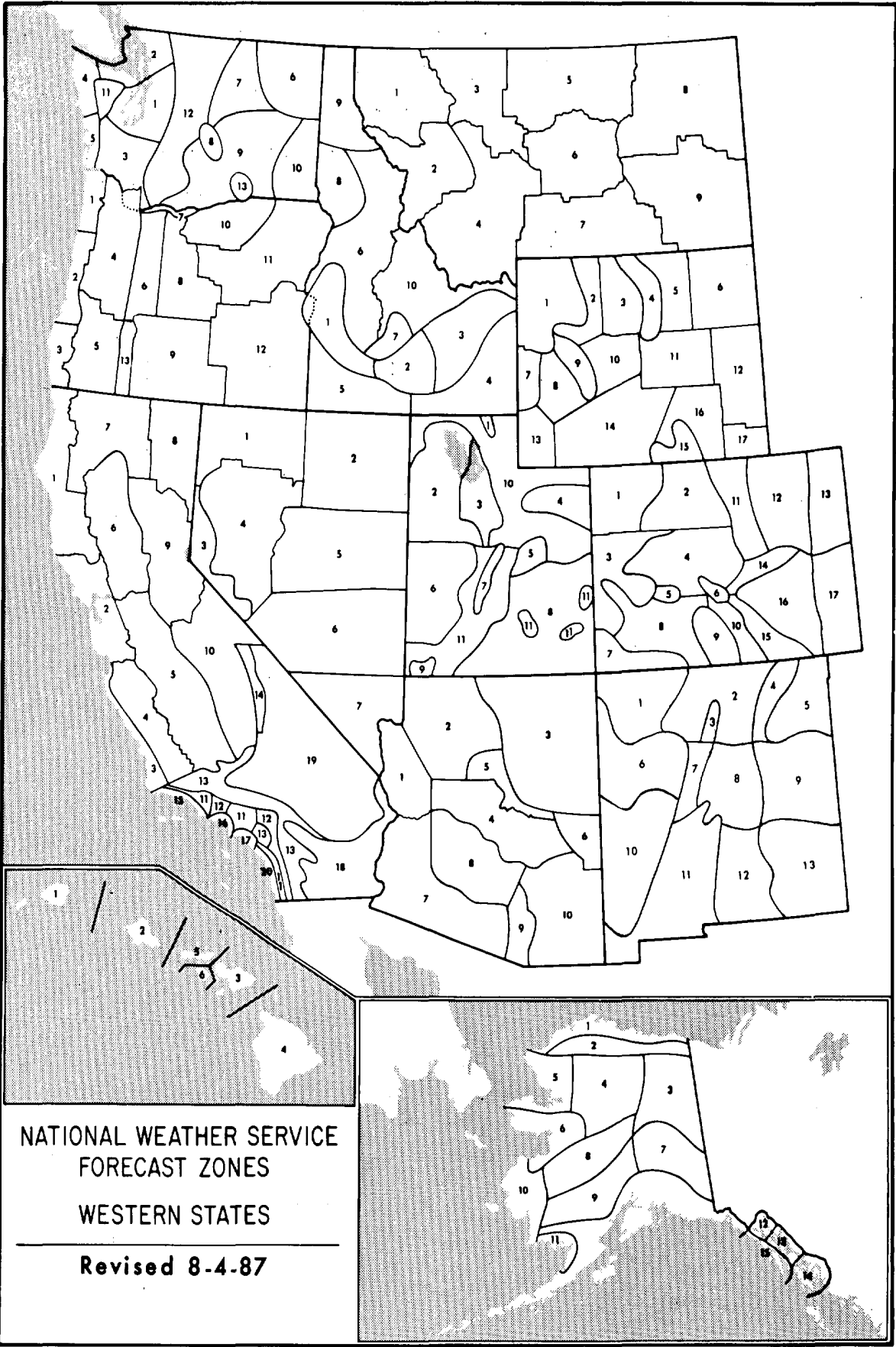
MAY 1990

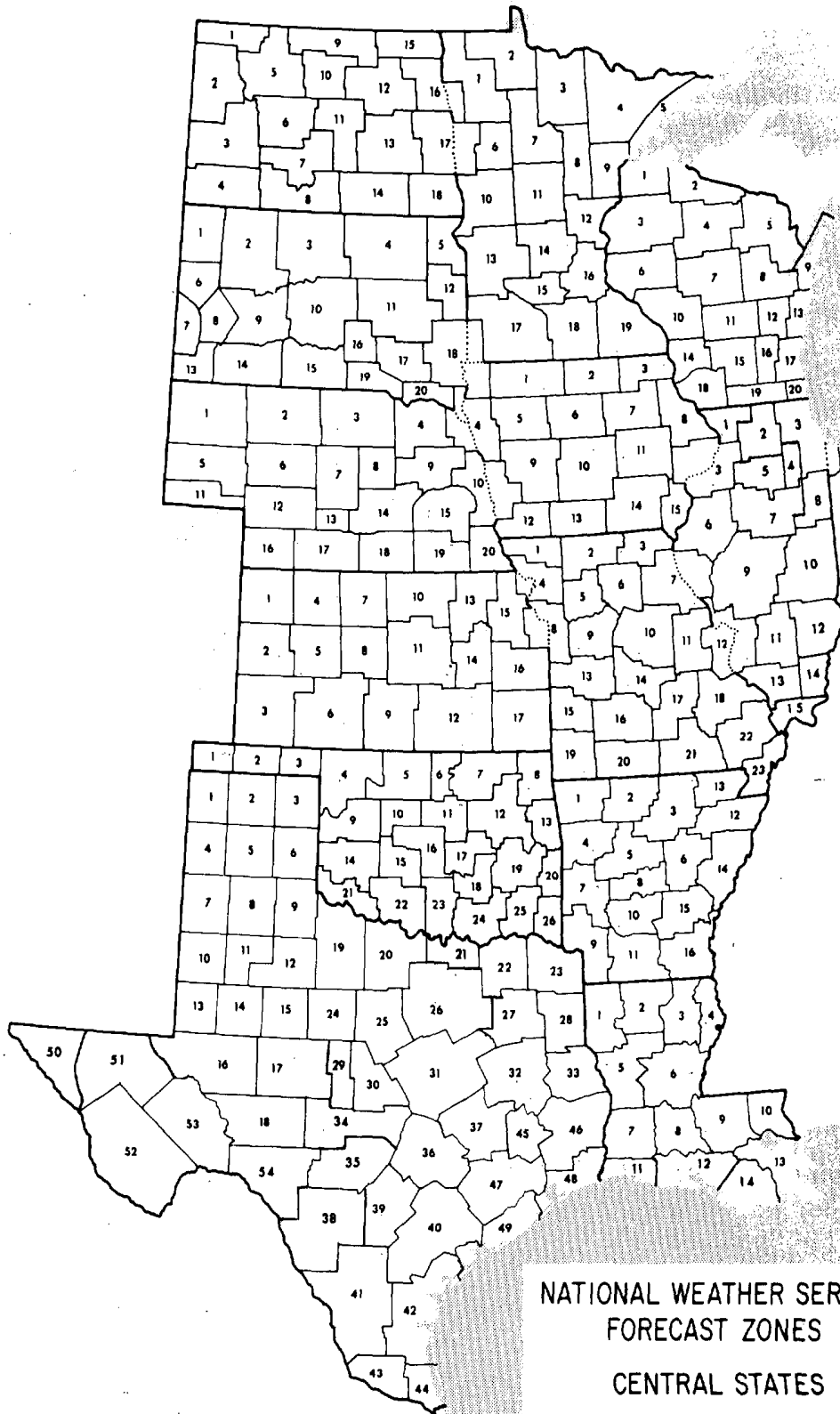
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<b>TORNADOES</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number	2	3	5	5	3	3	0	3	2	0	0	1	1	28	4	15	0	5	2	0	2	2	10	3	27	0	
Days	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Deaths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Injuries	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Property Damage	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Crop Damage	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
<b>HAIL</b>																											
Deaths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Injuries	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Property Damage	0	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Crop Damage	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
<b>THUNDERSTORM WINDS</b>																											
Deaths	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Injuries	1	1	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Property Damage	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
Crop Damage	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
<b>HIGH WINDS</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>LIGHTNING</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>FLASH FLOODS</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>FLOODS</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>HEAVY SNOWSTORMS AND BLIZZARDS @</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>ICE STORMS #</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>HURRICANES AND TROPICAL STORMS</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
<b>ALL OTHERS</b>																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											

# STORM SUMMARY

MAY 1990

TYPE	VERMONT	NEW HAMPSHIRE	MAINE	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	MOORE	PENNSYLVANIA	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	MISSOURI	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	ALASKA	HAWAII	PACIFIC	PUERTO RICO	VIRGIN ISLANDS	NATIONAL TOTALS
<b>TORNADOES</b>					0		0		0													#	0	0	0	0	
Number	2	1	1	3	0	3	10	2	2		1	1	2	62					1		23						5
Days	0	0	0	0		0	0	0	0		0	0	0	0					0		0						89
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
<b>HAIL</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
<b>THUNDERSTORM WINDS</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						7
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						5
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						7
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						5
<b>HIGH WINDS</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						10
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						10
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						10
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						10
<b>LIGHTNING</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						3
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						10
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						10
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						10
<b>FLASH FLOODS</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						11
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						4
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						4
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						4
<b>FLOODS</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						4
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						1
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						4
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						4
<b>HEAVY SNOWSTORMS AND BLIZZARDS a</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						1
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
<b>ICE STORMS #</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
<b>HURRICANES AND TROPICAL STORMS</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						
<b>ALL OTHERS</b>																											
Deaths	0	0	0	0		0	0	0	0		0	0	0	0					0		0						1
Injuries	0	0	0	0		0	0	0	0		0	0	0	0					0		0						18
Property Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						18
Crop Damage	0	0	0	0		0	0	0	0		0	0	0	0					0		0						18

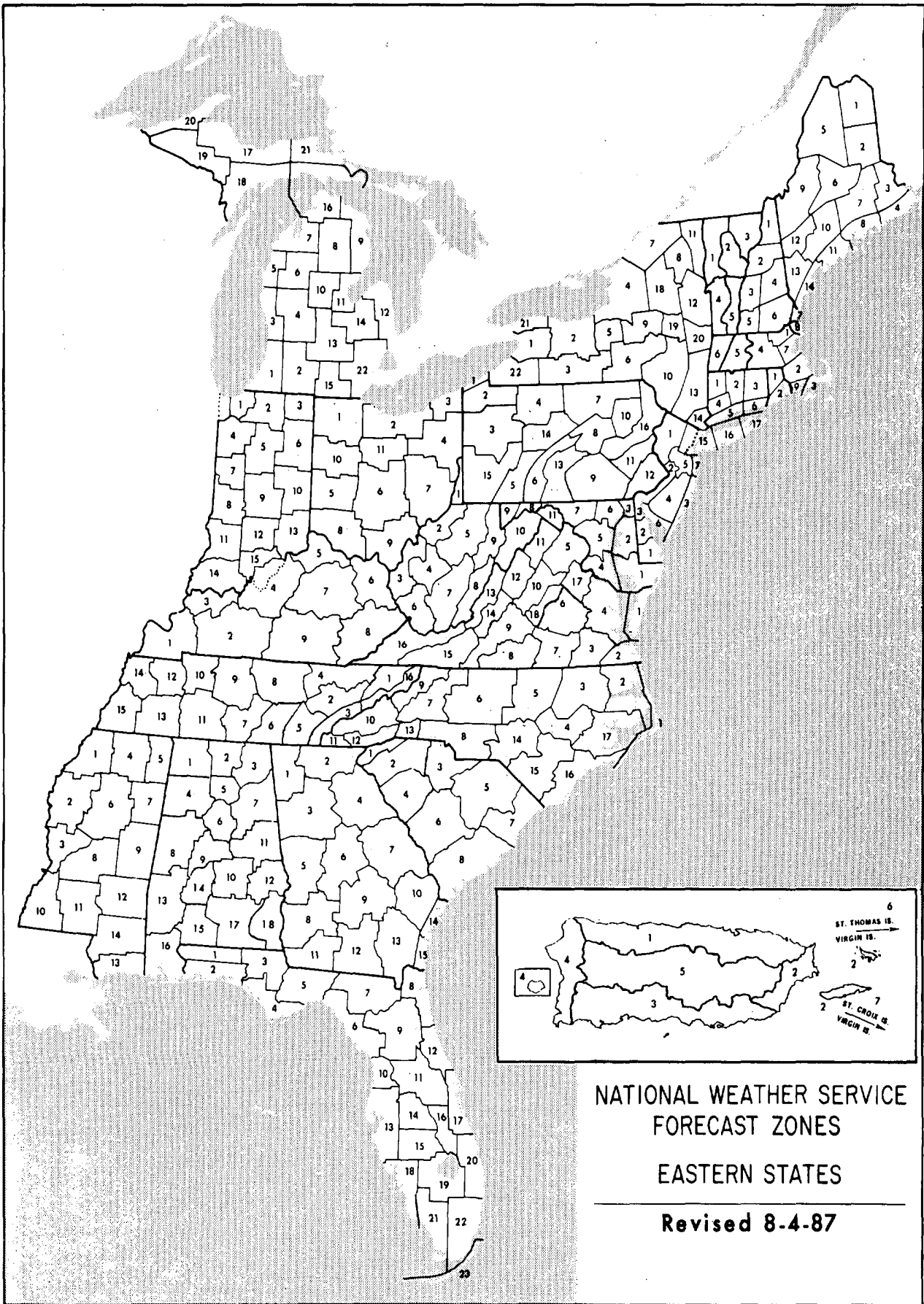




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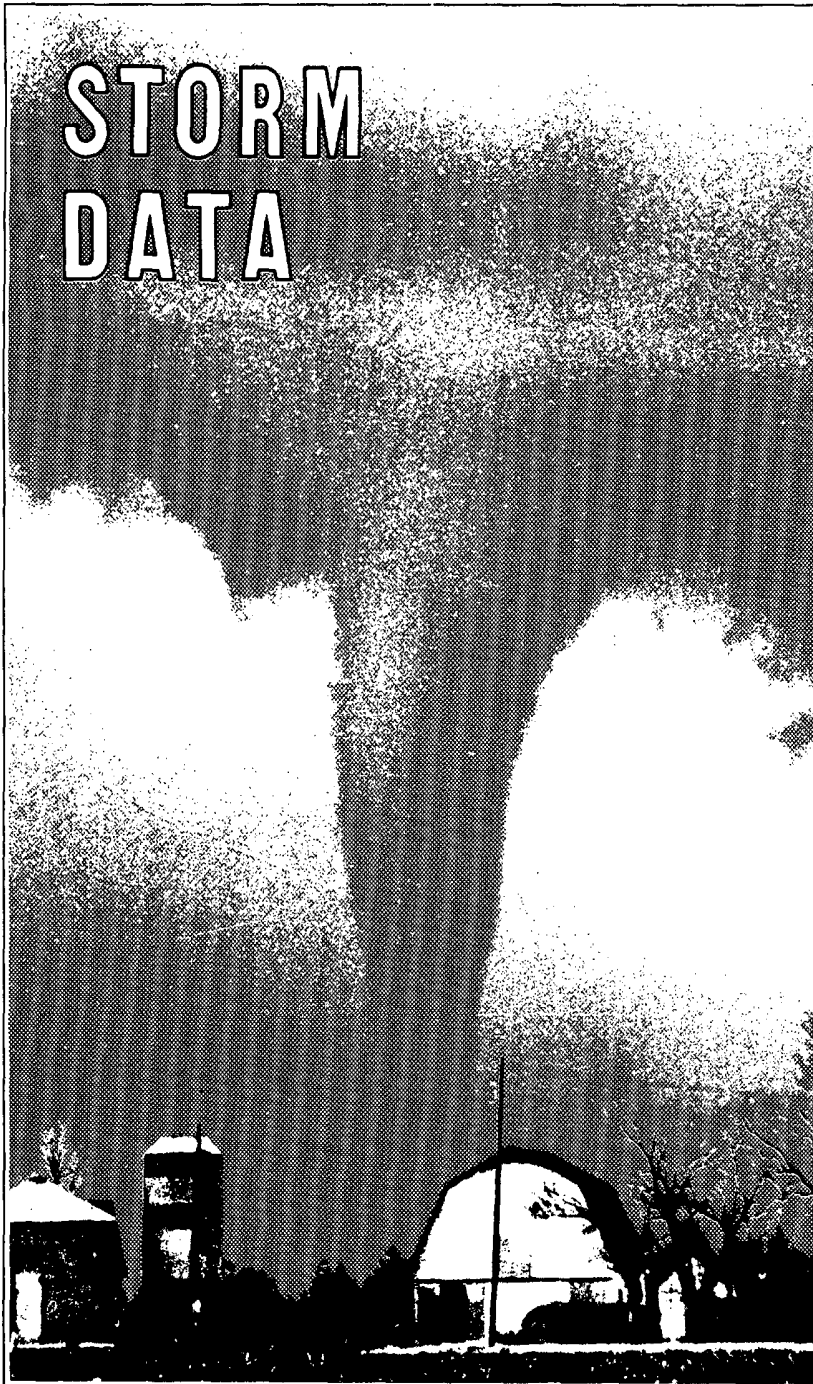
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Photo courtesy: Larry Miller, KANSAS HERITAGE PHOTOGRAPHY



# STORM DATA

STORM DATA is a monthly chronicle of significant and unusual weather events. Photographs and charts depicting storms, descriptions of extraordinary weather events occurring in each state, and summary tables of storm-related deaths, injuries, and property and crop damage are contained in this publication.

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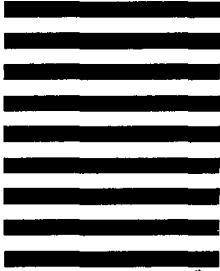


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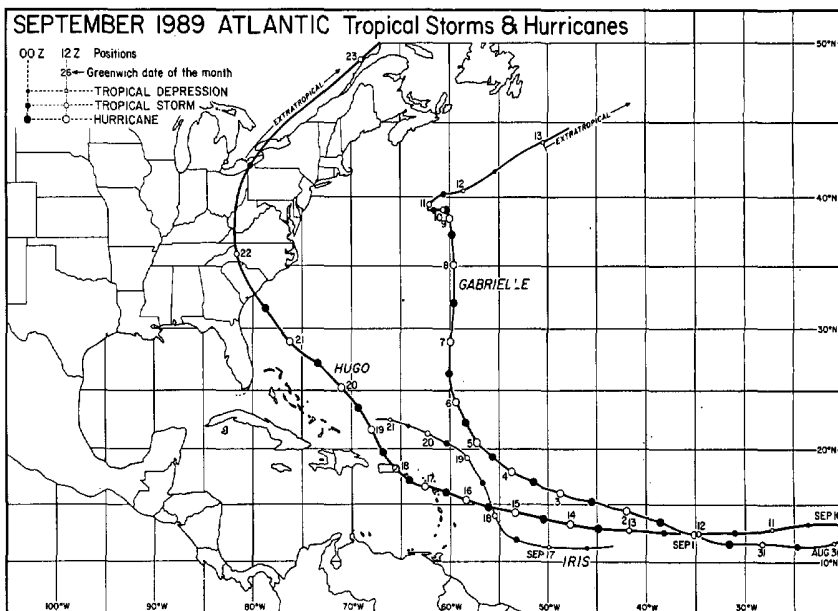
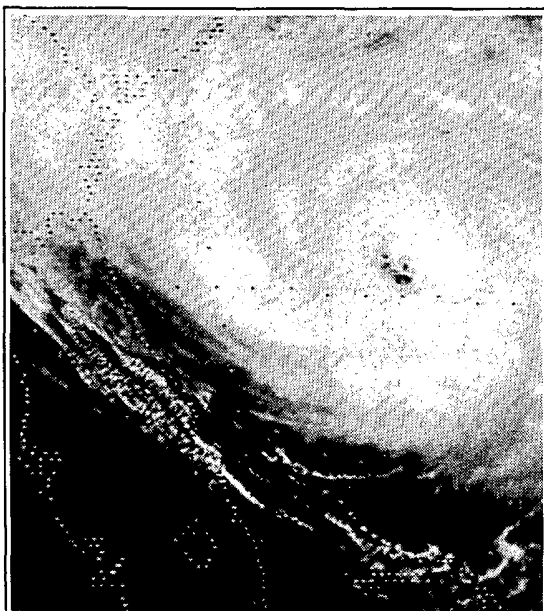
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## HURRICANE HUGO, SEPTEMBER 10-22, 1989

Despite excellent warning lead times and excellent government and public response to the warnings, the fury of Hurricane Hugo took many by surprise and will undoubtedly haunt the memory of many Americans for years to come. Along with numerous deaths and injuries, HUGO brought large-scale devastation to much of the Carolinas, Puerto Rico, the Virgin Islands and other islands of the Caribbean, making it the costliest hurricane in U.S. history.

Over the course of slightly less than two weeks, HUGO followed a trajectory that was typical for an Atlantic Basin tropical system: originating near Africa in the vicinity of the Cape Verde Islands, traveling west across the tropical Atlantic to the Leeward Islands, turning northwest toward the U.S. coast until making landfall in the Carolinas, and once inland, turning northeast under the influence of the Westerlies and becoming extratropical while skirting the eastern U.S.-Canada border (see map below). The system originated from a cluster of thunderstorms that moved off the African coast on September 9th and organized into a tropical depression on the 10th just southeast of the Cape Verde Islands. The system moved west at 18 knots, attaining storm status on the 11th, and hurricane status on the 13th while located about 1100 nautical miles east of the Leeward Islands. HUGO gradually turned west-northwest and slowed in its translation as it headed for the Islands. While still several hundred miles east of the Islands on the 15th, the first reconnaissance aircraft reported HUGO as having a minimum central pressure of 918 mb and an estimated maximum surface wind of 140 knots. This turned out to be HUGO's maximum intensity.



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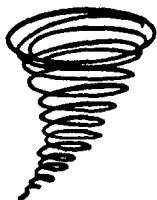
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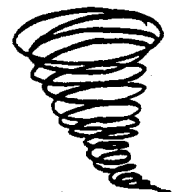
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Our meteorologists will provide the best possible solution.



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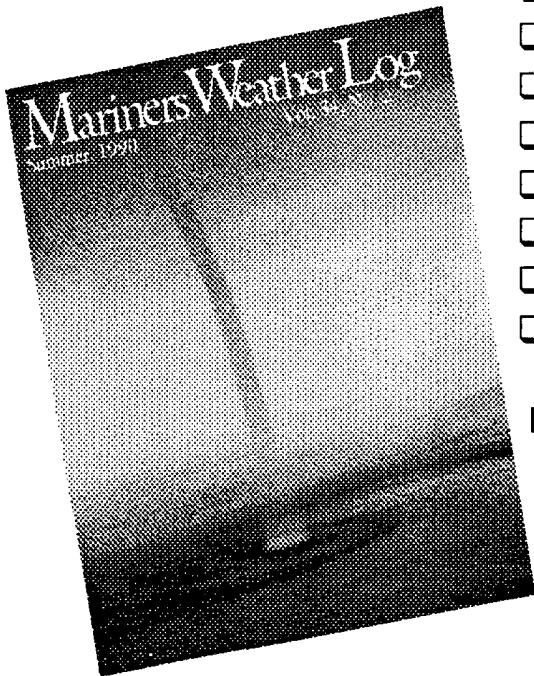
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