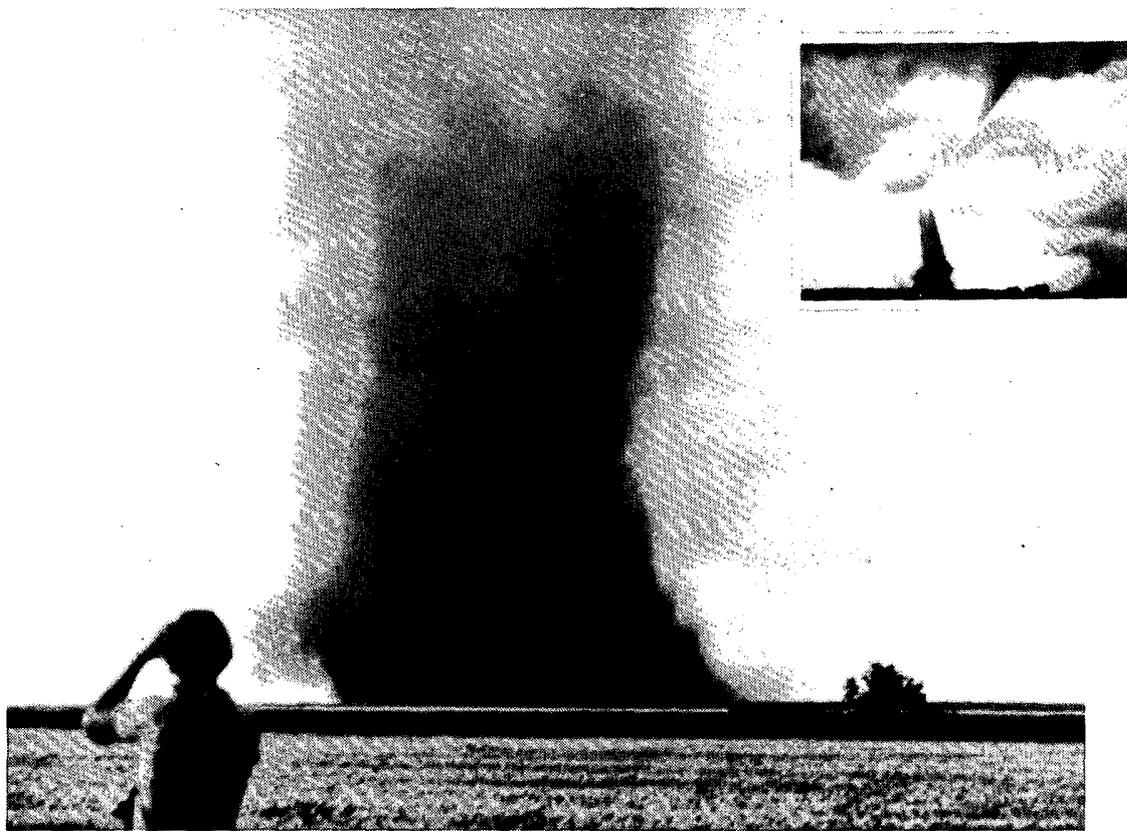


STORM DATA



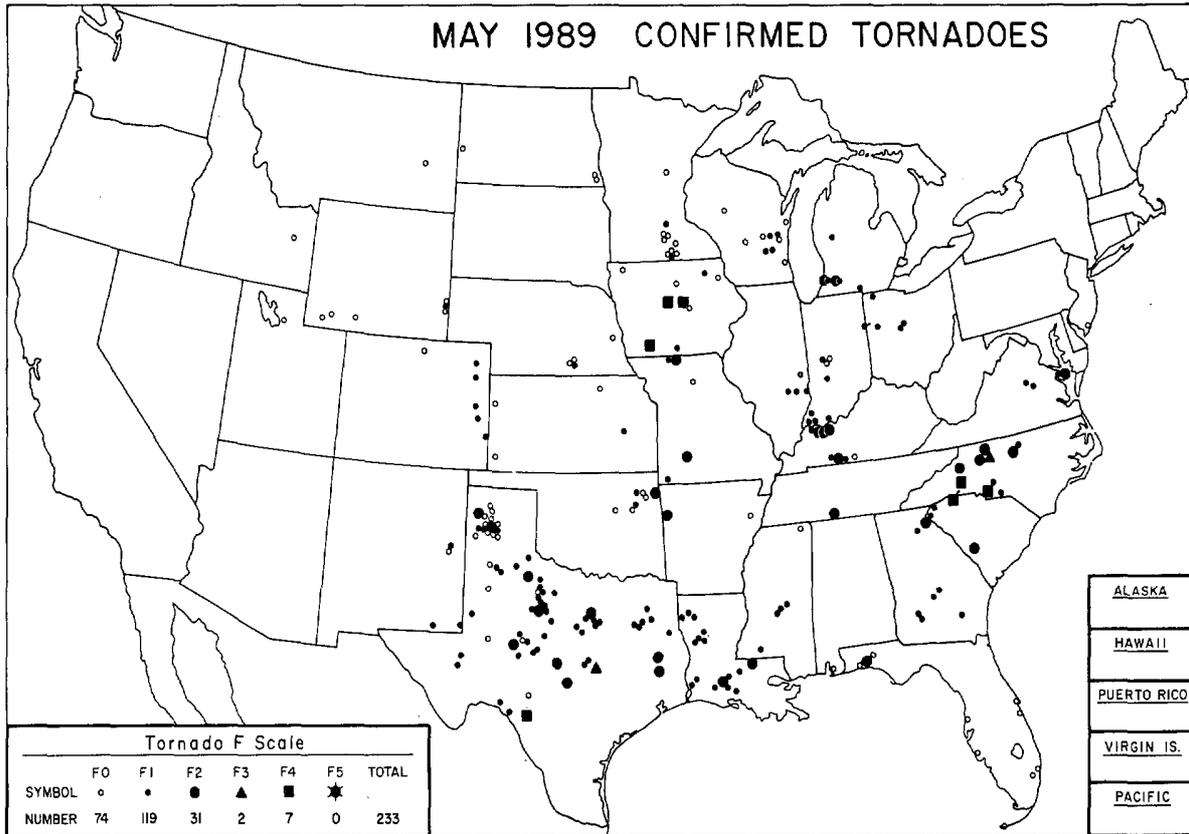
"I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND IS COMPILED FROM INFORMATION RECEIVED AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE NORTH CAROLINA" 28801

Kenneth D. Hadler

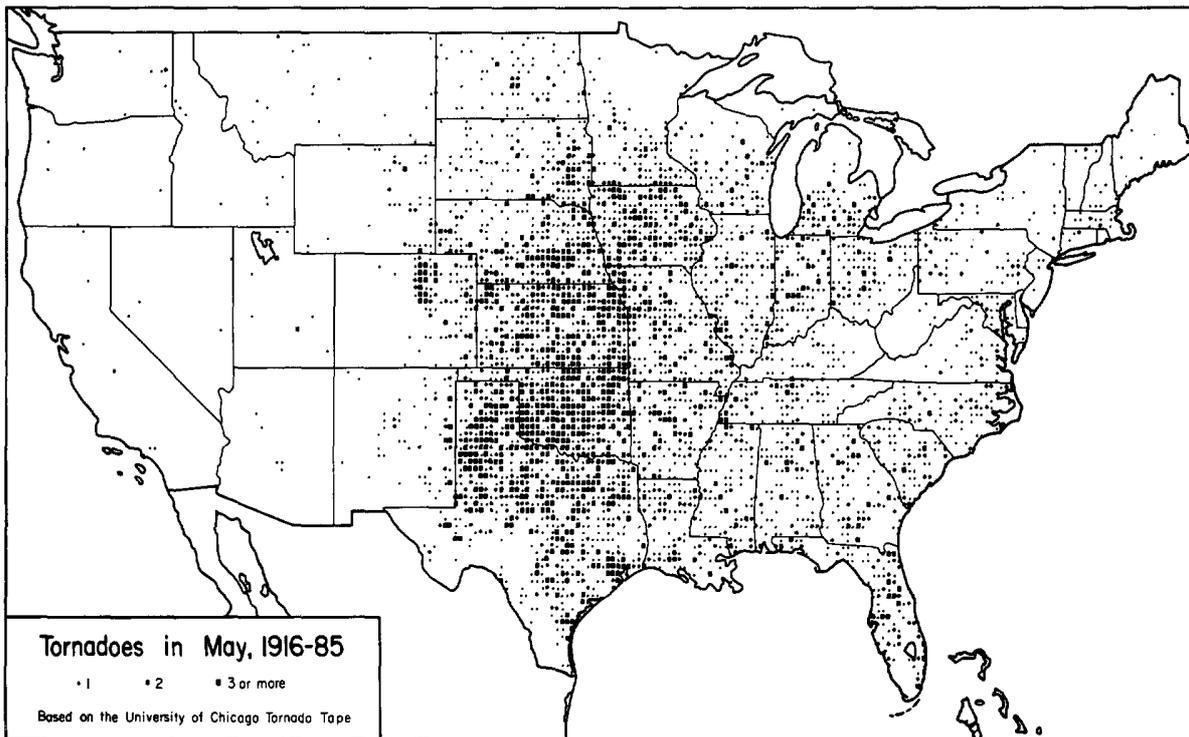
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

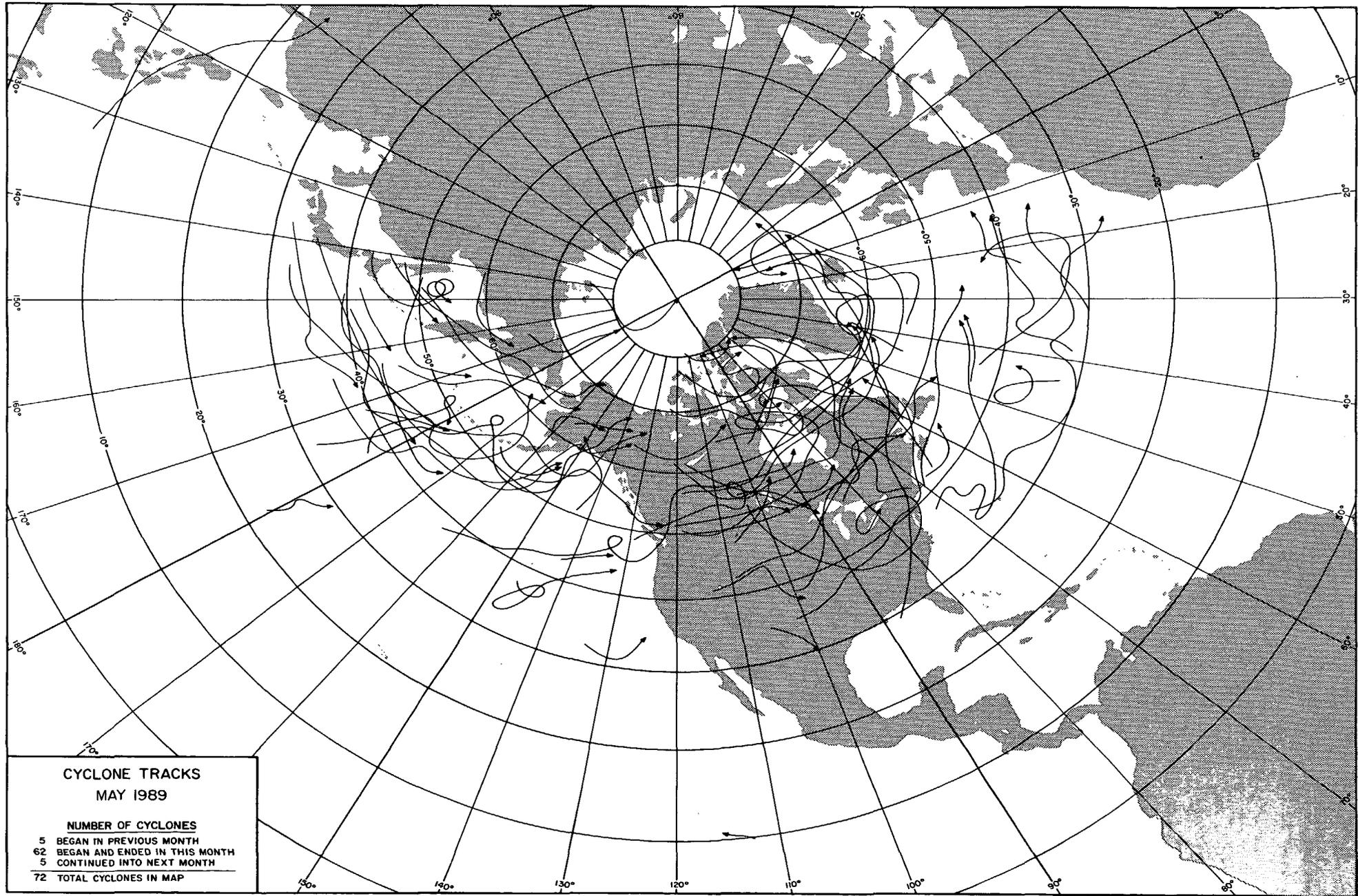
Support for this publication is provided in part by the Office of Naval Research, Marine Meteorology Program, Dr. Robert F. Abbey, Jr., Director. Extensive data collection efforts are provided by the National Weather Service.

OUTSTANDING STORMS OF THE MONTH



<ul style="list-style-type: none"> ● COMPLETE REPORT RECEIVED ◐ PRELIMINARY REPORT RECEIVED ○ REPORT NOT RECEIVED 	<table style="width: 100%; border: none;"> <tr> <td>● 1AL</td><td>● 7DE</td><td>● 14KS</td><td>● 21MN</td><td>● 28NJ</td><td>● 33OH</td><td>● 39SD</td><td>● 44VA</td><td>○ 49AK(SE)</td> </tr> <tr> <td>● 2AZ</td><td>● 8FL</td><td>● 15KY</td><td>● 22MS</td><td>● 29NM</td><td>● 34OK</td><td>● 40TN</td><td>● 45WA</td><td>● 50HI</td> </tr> <tr> <td>● 3AR</td><td>● 9GA</td><td>● 16LA</td><td>● 23MO</td><td>● 30NY(O)</td><td>● 35OR</td><td>● 41TX(N)</td><td>● 46WV</td><td>● 51PR</td> </tr> <tr> <td>● 4CA(N)</td><td>● 10ID</td><td>● 17ME</td><td>● 24MT</td><td>● 30NY(C)</td><td>● 36PA(E)</td><td>● 41TX(S)</td><td>● 47WI</td><td>● 52VI</td> </tr> <tr> <td>● 4CA(S)</td><td>● 11IL</td><td>● 18MD</td><td>● 25NE</td><td>● 30NY(W)</td><td>● 36PA(W)</td><td>● 41TX(W)</td><td>● 48WY</td><td>● 53PC</td> </tr> <tr> <td>● 5CO</td><td>● 12IN</td><td>● 19MA</td><td>● 26NV</td><td>● 31NC</td><td>● 37RI</td><td>● 42UT</td><td>○ 49AK(N)</td><td></td> </tr> <tr> <td>● 6CT</td><td>● 13IA</td><td>● 20MI</td><td>● 27NH</td><td>● 32ND</td><td>● 38SC</td><td>● 43VT</td><td>● 49AK(S)</td><td></td> </tr> </table>	● 1AL	● 7DE	● 14KS	● 21MN	● 28NJ	● 33OH	● 39SD	● 44VA	○ 49AK(SE)	● 2AZ	● 8FL	● 15KY	● 22MS	● 29NM	● 34OK	● 40TN	● 45WA	● 50HI	● 3AR	● 9GA	● 16LA	● 23MO	● 30NY(O)	● 35OR	● 41TX(N)	● 46WV	● 51PR	● 4CA(N)	● 10ID	● 17ME	● 24MT	● 30NY(C)	● 36PA(E)	● 41TX(S)	● 47WI	● 52VI	● 4CA(S)	● 11IL	● 18MD	● 25NE	● 30NY(W)	● 36PA(W)	● 41TX(W)	● 48WY	● 53PC	● 5CO	● 12IN	● 19MA	● 26NV	● 31NC	● 37RI	● 42UT	○ 49AK(N)		● 6CT	● 13IA	● 20MI	● 27NH	● 32ND	● 38SC	● 43VT	● 49AK(S)	
● 1AL	● 7DE	● 14KS	● 21MN	● 28NJ	● 33OH	● 39SD	● 44VA	○ 49AK(SE)																																																								
● 2AZ	● 8FL	● 15KY	● 22MS	● 29NM	● 34OK	● 40TN	● 45WA	● 50HI																																																								
● 3AR	● 9GA	● 16LA	● 23MO	● 30NY(O)	● 35OR	● 41TX(N)	● 46WV	● 51PR																																																								
● 4CA(N)	● 10ID	● 17ME	● 24MT	● 30NY(C)	● 36PA(E)	● 41TX(S)	● 47WI	● 52VI																																																								
● 4CA(S)	● 11IL	● 18MD	● 25NE	● 30NY(W)	● 36PA(W)	● 41TX(W)	● 48WY	● 53PC																																																								
● 5CO	● 12IN	● 19MA	● 26NV	● 31NC	● 37RI	● 42UT	○ 49AK(N)																																																									
● 6CT	● 13IA	● 20MI	● 27NH	● 32ND	● 38SC	● 43VT	● 49AK(S)																																																									
<p>(N) northern (W) western</p> <p>(S) southern (C) central</p> <p>(E) eastern (O) coastal</p> <p>(SE) southeastern</p>																																																																



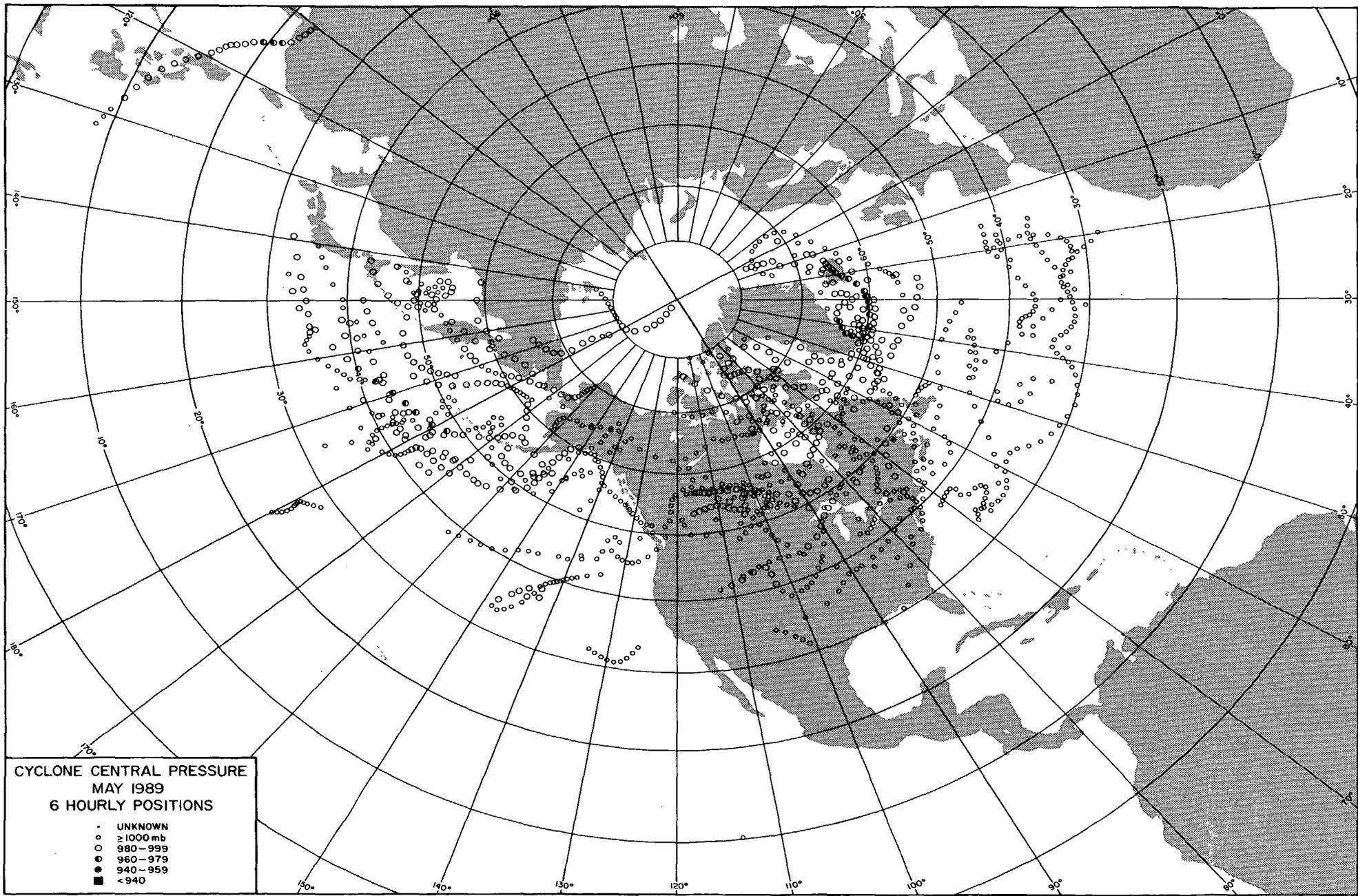


**CYCLONE TRACKS
MAY 1989**

NUMBER OF CYCLONES

- 5 BEGAN IN PREVIOUS MONTH
- 62 BEGAN AND ENDED IN THIS MONTH
- 5 CONTINUED INTO NEXT MONTH

- 72 TOTAL CYCLONES IN MAP



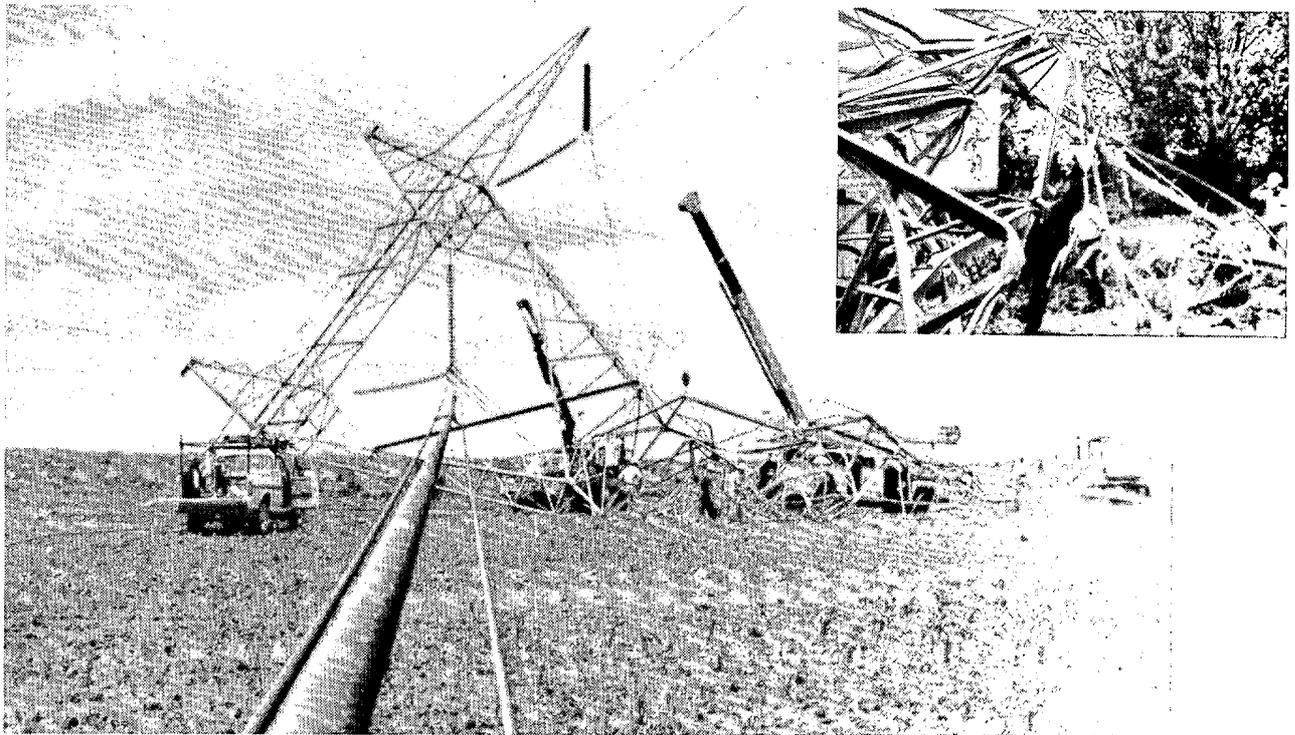
CYCLONE CENTRAL PRESSURE
MAY 1989
6 HOURLY POSITIONS

- UNKNOWN
- ≥ 1000 mb
- ◌ 980-999
- ◌ 960-979
- ◌ 940-959
- < 940

Mapped at the University of Chicago from NMC, cyclone track data

1. SEVERE THUNDERSTORMS In NORTHERN LOUISIANA on May 4-5, 1989

During the morning of May 4th and overnight on the 4th and 5th, two lines of very strong thunderstorms swept eastward across northern Louisiana, bringing strong winds, large hail and even a few tornadoes to the region; but especially predominant were the intense rains that were heaviest with the second wave of storms. Five to ten inches of rain fell along a 50 mile wide swath from Shreveport to the Bastrop area; amounts of 10 to 12 inches



Two of the 89 toppled towers in Madison Parish. The tower in the top photo and inset was one of two that were initially downed by downburst wind. The tower in the bottom photo is located about six miles away from that in the top photo and was felled along with the rest of the towers as a result of what was described as a "galloping or cascading effect" of the cables interconnecting the towers. ---Top photo and inset from the Louisiana Power & Light Company, Monroe, Louisiana; bottom photo from the New-Star, Monroe, Louisiana.

were recorded over a 24 hour period in parts of Lincoln and Ouachita parishes. The rains resulted in flash flooding of many homes and roadways throughout the region and evacuations were necessary in Shreveport, Ruston and Monroe. Two deaths were attributed to the flooding, both occurring in Ouachita Parish and resulting when the victims attempted to drive their vehicles across flooded roadways. Other noteworthy events connected with the storms' occurrence were downburst winds estimated at up to 100 mph that initiated the toppling of eighty-nine 500 kilowatt power transmission towers in Madison Parish along a stretch from Tallulah to the Mississippi River at Vicksburg, and up to 3-inch diameter hail described as "the size of oranges" that fell at Monroe, breaking hundreds of windows and doing other damage to homes and cars. Damage incurred by the towers alone was estimated at 7.1 million dollars.

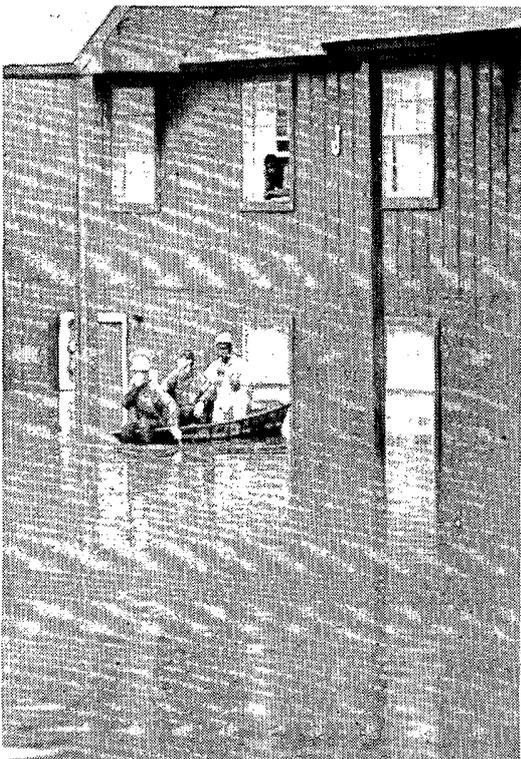


In two photos above are autos that sustained shattered windows and dented bodies from the large hail that fell in Monroe during the storms on the morning of May 4th. The vehicles, at a glass company for windshield replacement (left) and at a BMW dealership (right), were two of an estimated 4000 vehicles in Monroe that received damage from the hail.



LEFT: A student points out shattered windows at the Lexington Elementary School in Monroe. Three students at the school were cut by shards of glass that were thrust into the classroom from the bursting windows by the force of the hailstones' impact.

---All three photos from the News-Star, Monroe, Louisiana.

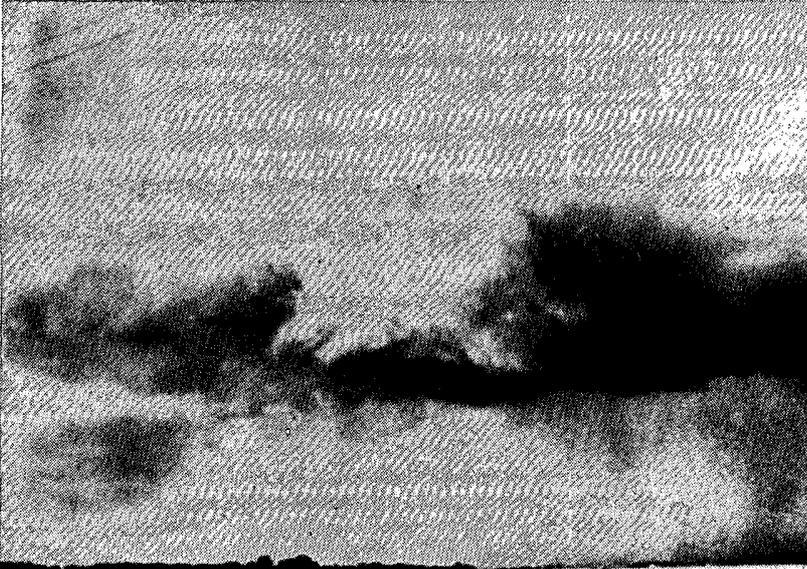


Residents of an apartment complex along Thomas Road in West Monroe evacuate their flooded buildings after the adjacent bayou overran its banks, the result of over 12 inches of rain that fell overnight on the 4th and 5th of May. At left, apartment personnel check for evacuees by rowboat; above, residents waded out with belongings and the family pet in hand. ---Both photos from the News-Star, Monroe, Louisiana.

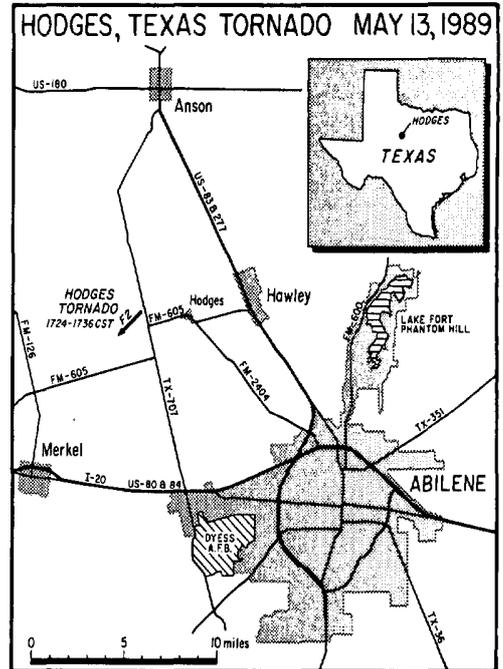
---All photos on pages 7 and 8 are provided by Ernest S. Ethridge, NWSO at Shreveport, Louisiana.

2. TORNADO at HODGES, TEXAS on May 13, 1989

During the supper hour of May 13th, a tornado formed beneath a thunderstorm cell two miles west of Hodges, Texas, about 12 miles northwest of downtown Abilene. It moved slowly southwestward along a 1.5 mile long path through open country and caused its only structural damage to a mobile home near the start of its path. The event might have gone relatively unnoticed had it not been that numerous storm chasers converged on the area in anticipation of the tornado's occurrence. As a result, this tornado became one of the most photographed torna-



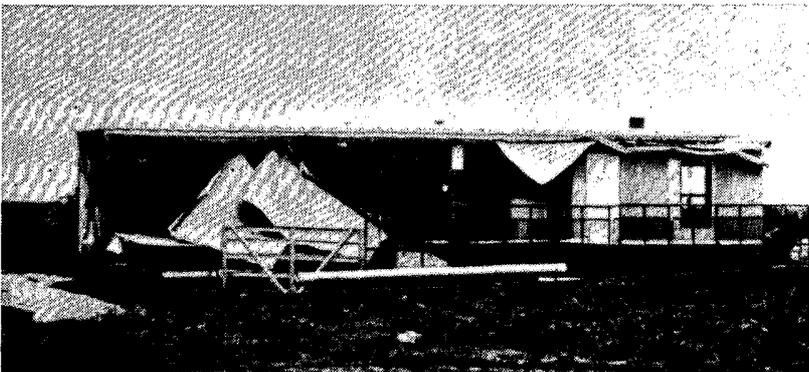
The wall cloud of the Hodges tornado as seen about two minutes before the tornado formed.



Location of the Hodges, Texas tornado on May 13, 1989 with respect to Abilene and vicinity. ---Graphic by the University of Chicago from a mapping by Philip Sherman of Dallas, Texas.



An eddy of dust begins to whirl at the surface at 1724CST as the tornado starts its 1.5 mile path.



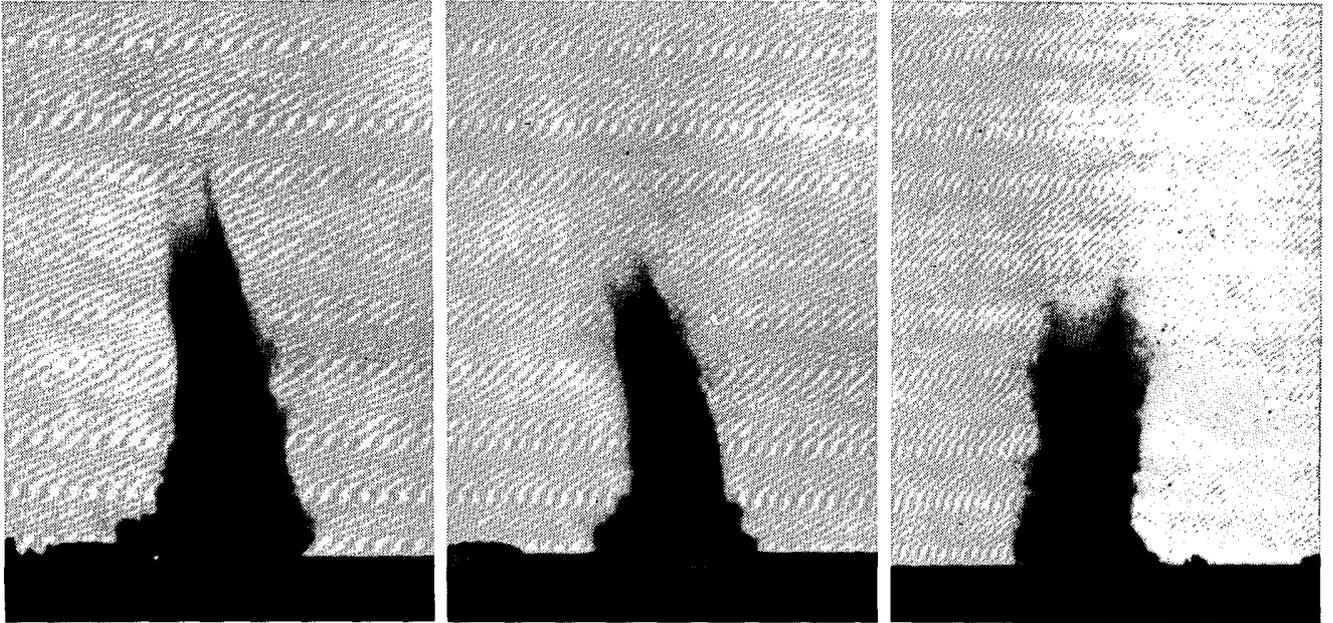
A mobile home at the beginning of the tornado's path, the only structural damage that was done.



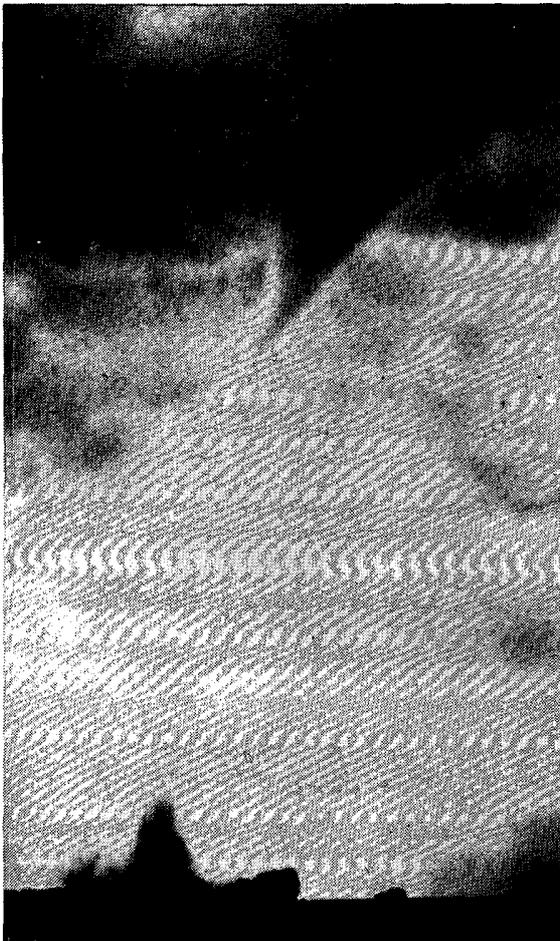
The tornado vortex in its waning stage, exhibiting a dense, black dust column at the surface and a ropelike condensation funnel extending up to the thunderstorm cloud base.

---All photos on this page are by Roy L. Britt of Richmond, Virginia.

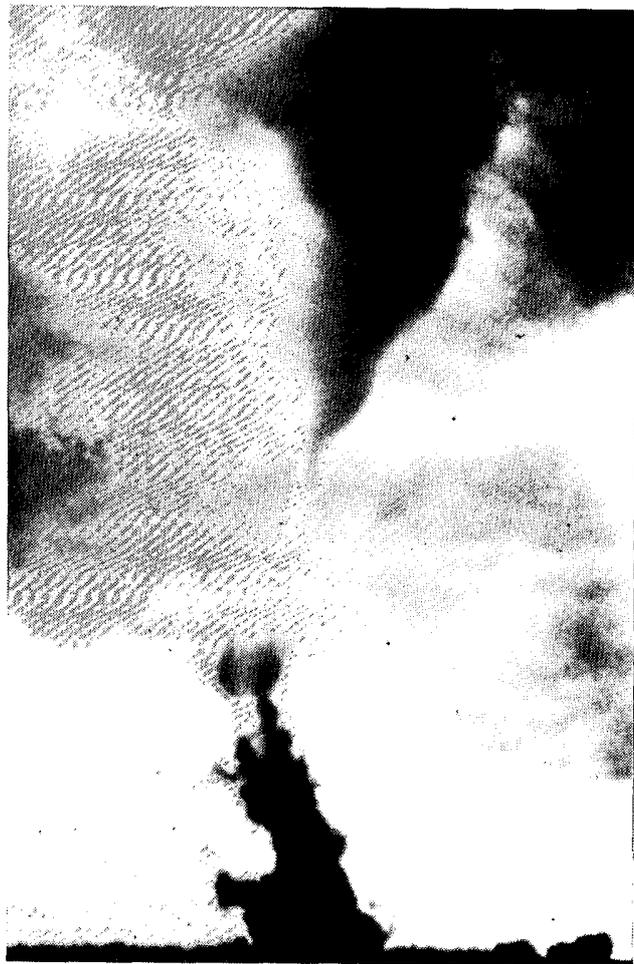
does ever, and as the photos on this and following pages depict, it lived up to the honor by putting on an impressive display. The condensation funnel of the vortex remained narrow and ropelike throughout its existence, and for much of the time did not extend all the way to the ground - a common occurrence in west Texas where low-level moisture is often inadequate for condensation to occur at the surface, regardless of the pressure drop. However, the lower portion of the tornado was still made quite visible by the large amounts of dust that were lifted and entrained from the fields over which it passed. The huge dust column created near the surface appeared even more menacing than if the tornado had been strickly made up of condensation. Although damage to the mobile home was weak, the tornado was classified as having a maximum F scale intensity of F2 (113-157 mph) based on the visual observations of the storm chasers.

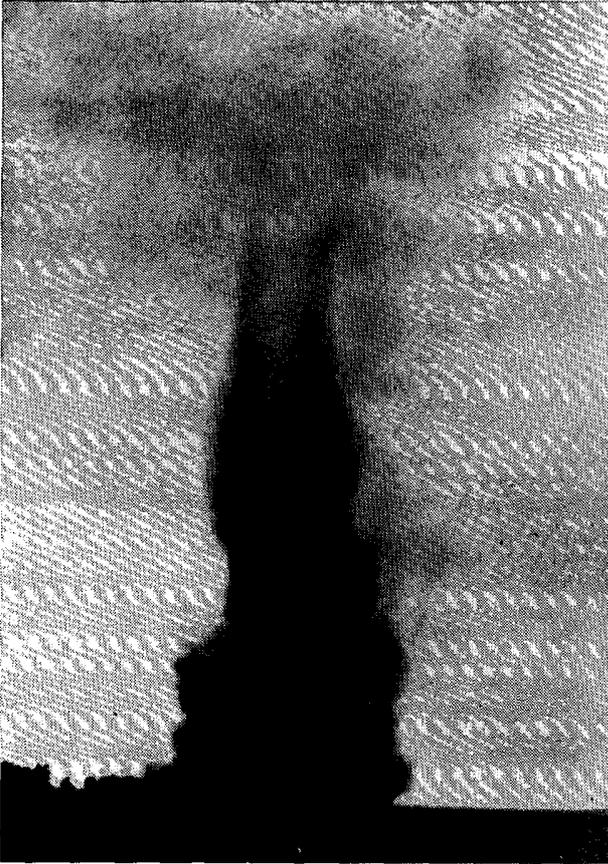


Three examples of the tornado's dust column, taken while the tornado was in its mature stage. Its condensation funnel, although apparent aloft, was not yet fully extending to the surface, thus the midsection of the tornado remained invisible for much of the first half of its existence. ---All three photos by Philip Sherman of Dallas, Texas.



In six photos starting at left and continuing through the next page, the tornado was captured in various stages as the surface dust column, at first almost vertically aligned with the condensation funnel aloft, was pushed to the southwest by low-level thunderstorm outflow, causing the vortex to bend and distort while the condensation funnel slowly worked its way downward to the surface and reached the ground only late in the tornado's 12 minute lifespan. ---All six photos by David Hoadley of Falls Church, Virginia.

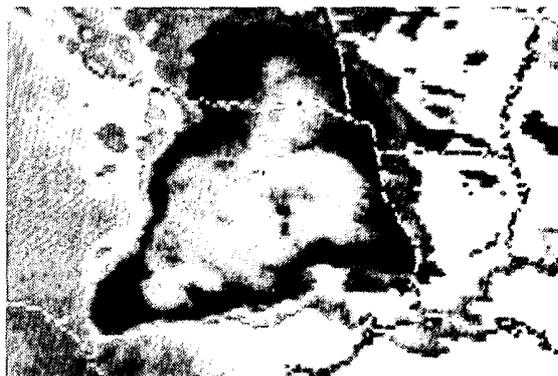




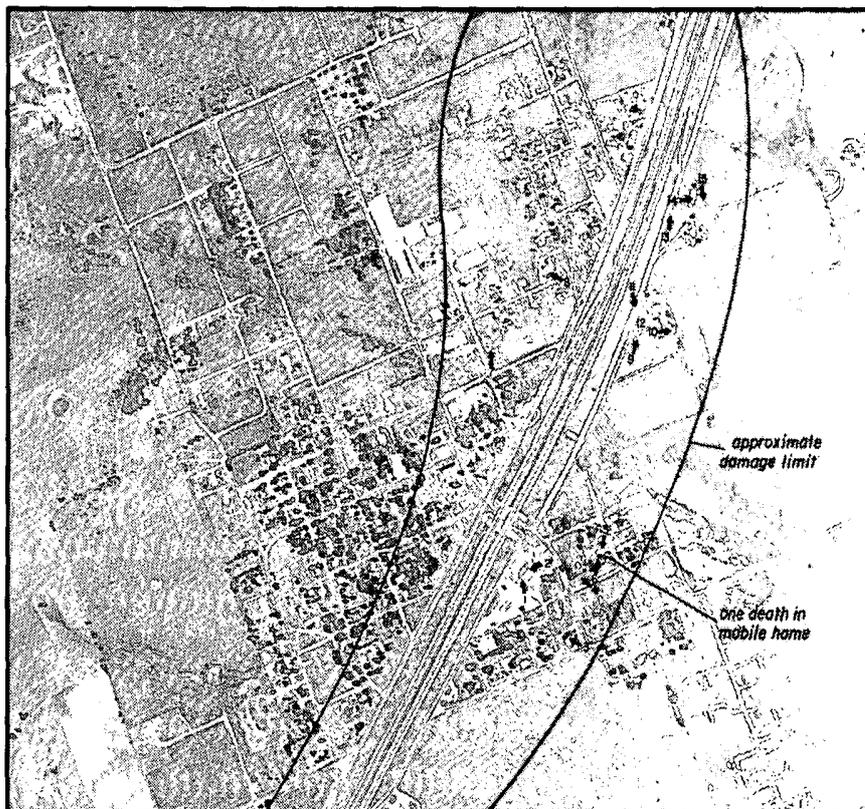
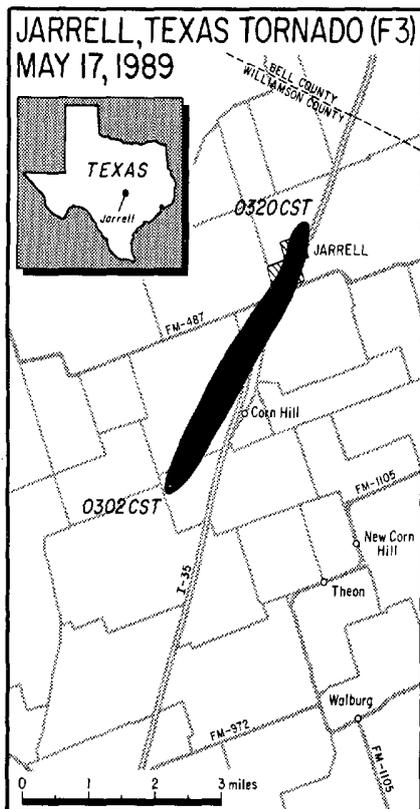
Three additional views of just the lower portion of the tornado during its late mature stage to dissipation, show how the dust column lowered and widened out as its rotation began to slow. At the same time, the condensation funnel, once having reached the ground, quickly thinned. ---All three photos by Tim Marshall of Lewisville, Texas.

3. TORNADO at JARRELL, TEXAS on May 17, 1989

In the middle of the night on May 17th, shortly after 0300CST, a tornado touched down about 3 miles south-southwest of Jarrell, a central Texas town with a population of about 700, and during an 18 minute period moved gradually into and through the town before dissipating. The tornado did extensive damage to about two-thirds of the town, mainly on the south and east sides. During its short trek, the tornado moved right up a portion of Interstate 35 which passes through Jarrell. About 18 trucks were overturned on the Interstate, and traffic had to be halted for some time due to the extensive debris that was deposited on the roadway. In Jarrell the tornado inflicted up to F3 intensity damage, with 35 houses, 12 mobile homes and 16 businesses either being heavily damaged or destroyed. Two school buildings and an apartment complex were also destroyed. One woman was killed as her mobile home was demolished. Twenty-eight persons were injured, although most of the injuries were minor. Two of the injured who were driving on the Interstate however, sustained more serious injuries and were hospitalized for some time after their initial treatment.

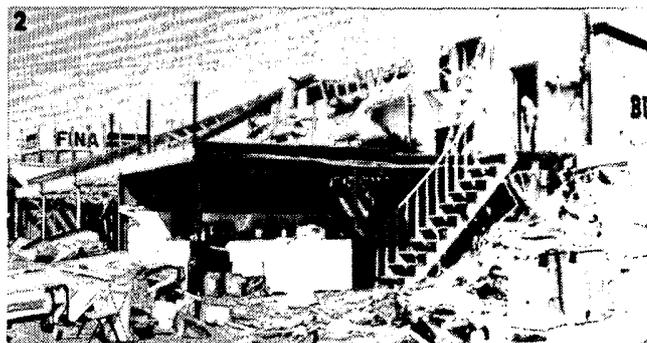


A GOES 7 satellite, infrared image of the parent storm responsible for the Jarrell tornado, taken at 0530CST on May 17th, two hours after the tornado had ended.



LEFT: The path of the Jarrell, Texas tornado of May 17, 1989 (note: the damage limit southwest of Jarrell is very approximate). RIGHT: An overhead aerial view of Jarrell prior to the tornado, with numbered locations of damage photos shown below and on following pages, and their direction of view indicated. ---Graphics by the University of Chicago from mappings provided by the NWSFO at San Antonio, Texas and Troy Kimmel, KVUE-TV and KimCo Meteorological Services, Austin, Texas. Aerial photo provided by Mr. Kimmel.

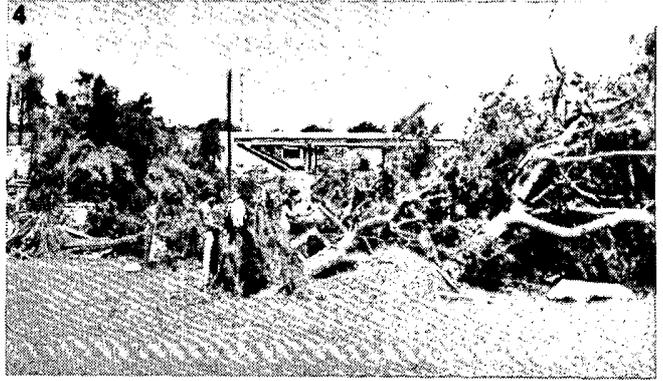
All of the photos below and on the following two pages were taken on May 18th during a survey by Troy Kimmel and David Hodgens, KVUE-TV, Austin, Texas and Jim Dugan and Al Redd, NWSO at Austin, Texas.



Damage at a service station/truck stop that was situated in the center of the tornado's path along Interstate 35. I-beam supports of the gas island canopy were bent northward.



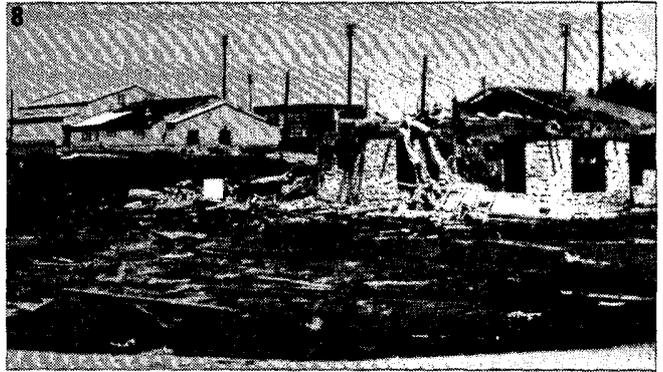
3 A destroyed home at the south end of Jarrell, viewed toward the west. Note a 2x6 inch board that penetrated a wall (center of photo).



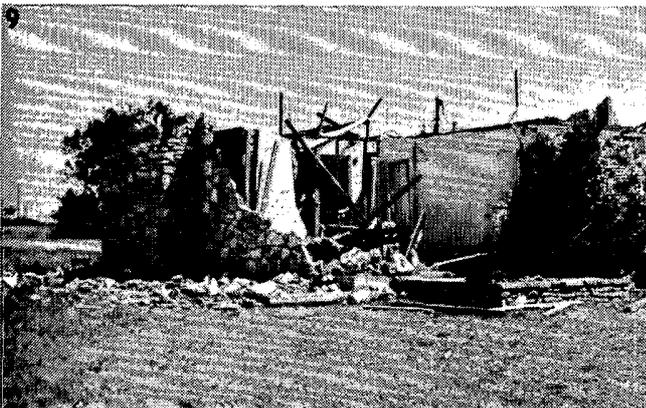
4 Trees that were uprooted in a converging pattern south-east of the Interstate bridge.



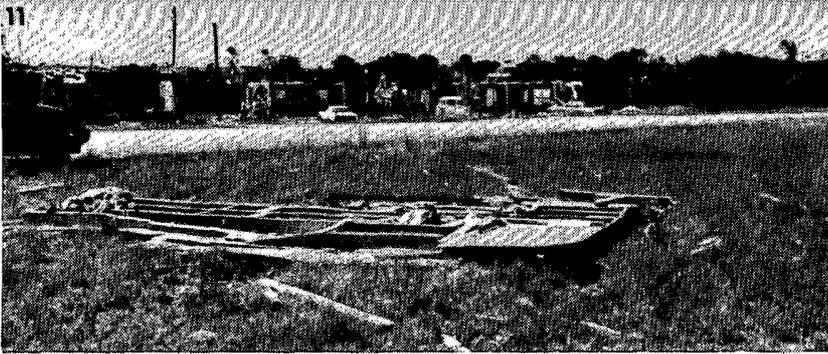
5 Southwest (left) and northeast (right) views of a destroyed mobile home that was blown from its foundation regardless of its tiedowns. A woman inside was killed and became the tornado's only fatality.



Damage to a mobile home (left) and house (right) near the Jarrell High School.



9 Destruction to the southwest corner of a building at an apartment complex on the east side of Jarrell (left), and roof damage at the same complex (right).



11 A large portion of roof that was carried northeastward from the apartment building in the distance, lies along the frontage road of Interstate 35.



12 A battered car in the parking lot of the apartment complex.



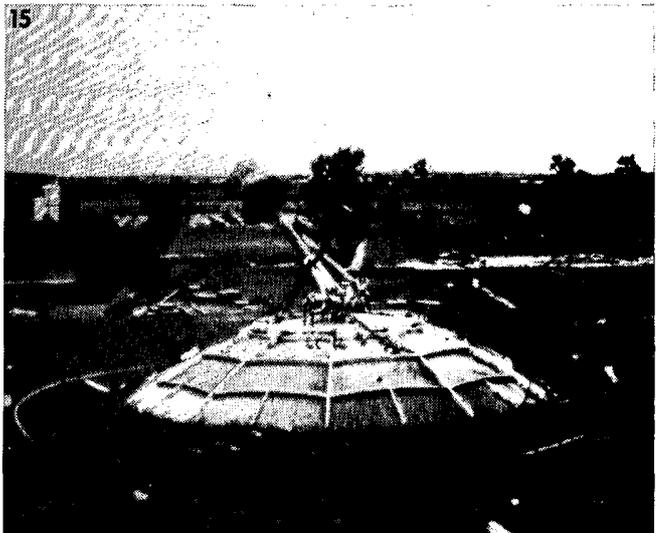
A large sheet of metal, most likely from the body of a destroyed mobile home, hangs wrapped around a utility pole which captured the airborne debris as the tornado passed.



13 Similar to the occurrence pictured at left, flashing and wiring lie wrapped around the base of a sign post along the frontage road of Interstate 35.



14 A TV antenna, an airborne missile as the tornado passed, juts upward from the roof that it impaled on the east side of Jarrell.



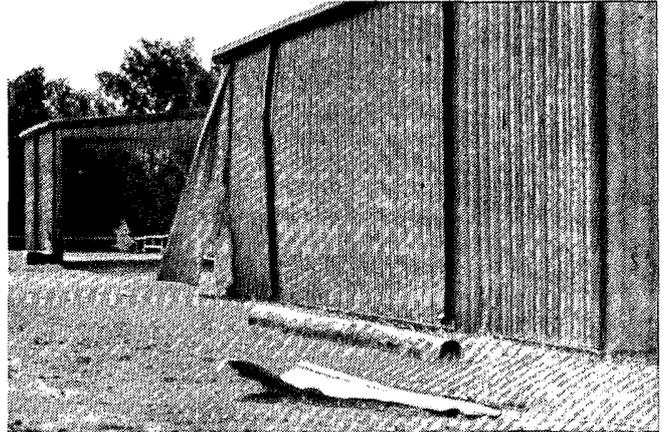
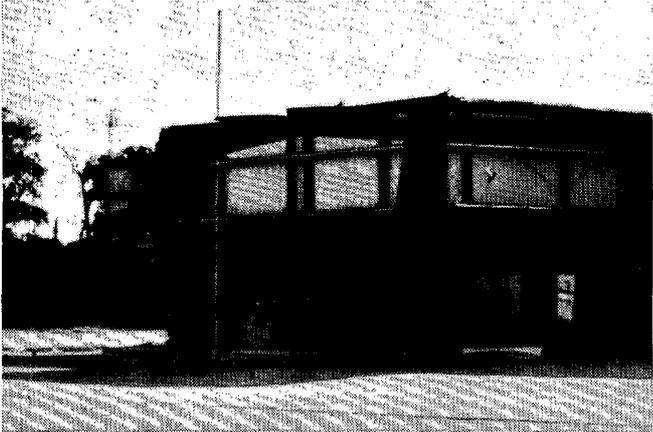
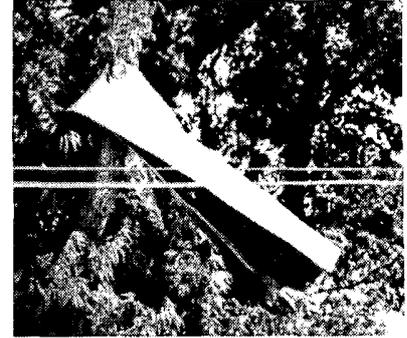
15 A satellite-receiving dish that was plucked from the ground on the east side of Jarrell.

---All damage photos on pages 12 through 14 are by Troy Kimmel, KVUE-TV and KimCo Meteorological Services, Austin, Texas.

4. THUNDERSTORM WINDS at ROUND ROCK, TEXAS on May 17, 1989

Only 5 hours after the Jarrell tornado of May 17th (see Item 3, page 12), Williamson County, Texas was again struck by a strong thunderstorm cell. This one brought strong winds to the town of Round Rock at 0815CST, doing their greatest damage on the town's east and northeast side. A number of homes and other structures received mostly roof damage, especially in the Chandler Creek subdivision close to U.S. Highway 79. The Double File Trail Elementary School was also hit, receiving numerous broken windows and damage to its roof. Although the school was in session, no students were injured. Eyewitnesses claimed that a tornado had set down over the school, but the existence of a tornado could not be confirmed.

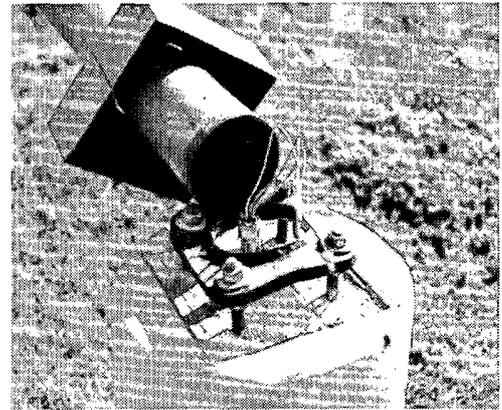
RIGHT: Sheet metal torn from the SPJST Hall in Round Rock hangs on a tree limb.



Damage at the SPJST Hall in Round Rock included ripped away sheet metal facing (left) and the bowing out of the building's north wall (right).



The most substantial damage in Round Rock included these homes on Agarita Drive, just south of the Double File Trail Elementary School. The homes at left had roofing and even some outer walls torn away; the damage to the garage at right was at least in part due to the impact of flying debris. Both views are toward the northwest.

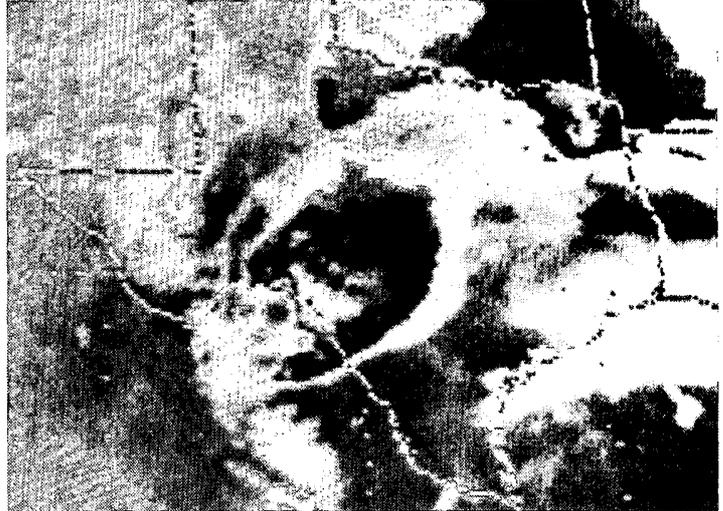
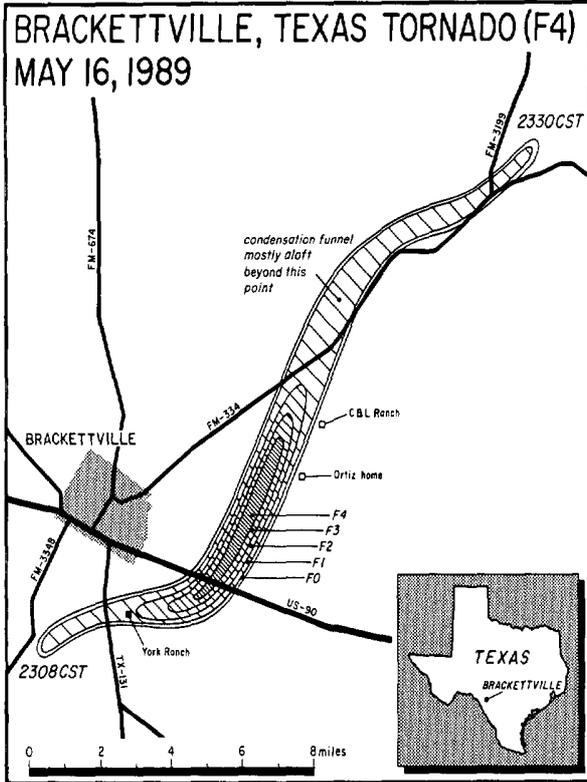


Roof damage (left) and a broken light standard in the parking lot (right) are samples of the damage at Round Rock's Double File Trail Elementary School.

---All above photos are by Troy Kimmel, KVUE-TV and KimCo Meteorological Services, Austin, Texas.

5. TORNADO at BRACKETTVILLE, TEXAS on May 16, 1989

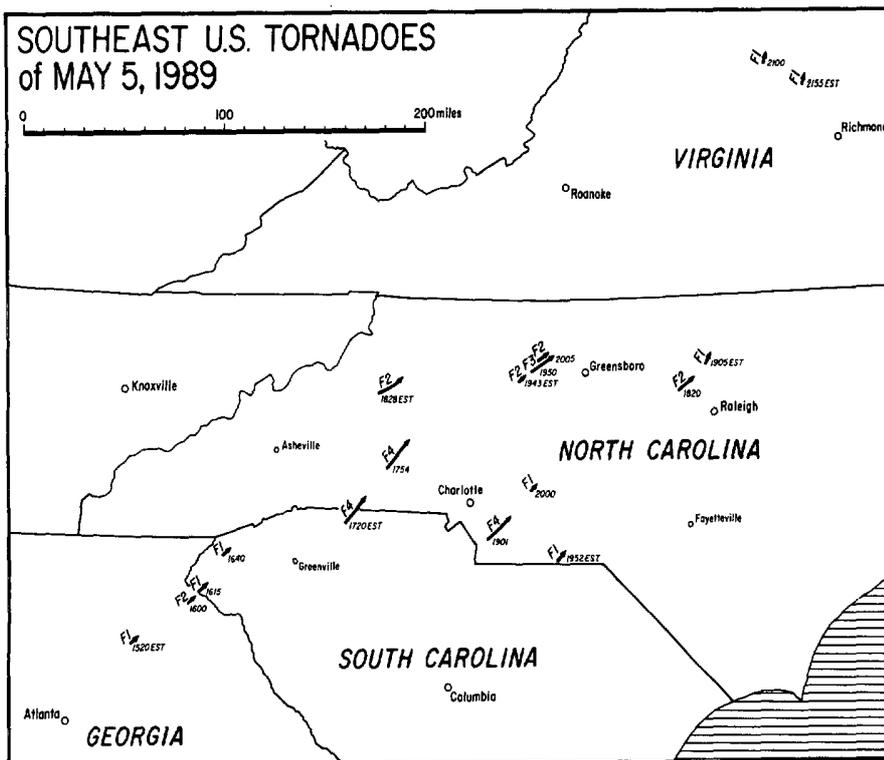
At 2308CST on May 16th, just after midnight on the 17th Daylight Savings Time, a tornado touched down about 3 miles south of Brackettville, Texas and moved east a distance of 5 miles, passing by the town. It then turned north-northeast and intensified significantly, reaching a maximum intensity of F4 just prior to crossing U.S. Highway 90 about two miles southeast of Brackettville. The tornado was so strong at this point that it ripped away about 40 yards of the pavement from the roadway. The tornado continued to be quite strong for another 6 miles before it weakened to F1 or less in intensity which it maintained along the final 9 miles of its path. In all, the fast-moving tornado covered 20 miles in 22 minutes, but it moved entirely through open ranchland so, despite its strength, damage was far less than would be expected had it hit a more populated area. Only three homes were destroyed, although others were damaged. Ranch outbuildings were destroyed also and many livestock were killed. The F scale assessment was based mainly on effects to vegetation as hundreds of squat mesquite trees, known for their resilience, were either snapped, uprooted or plucked entirely from the ground and sent sailing. Even the soil was eroded away over a long stretch of the path.



ABOVE: In a GOES 7 satellite, infrared image the large supercell storm responsible for the Brackettville tornado is seen at 2200CST on May 16th, about one hour prior to the tornado's occurrence. The same storm system later produced the Jarrell tornado (see Item 3, page 12). ---Photo from NESDIS, Washington, DC.

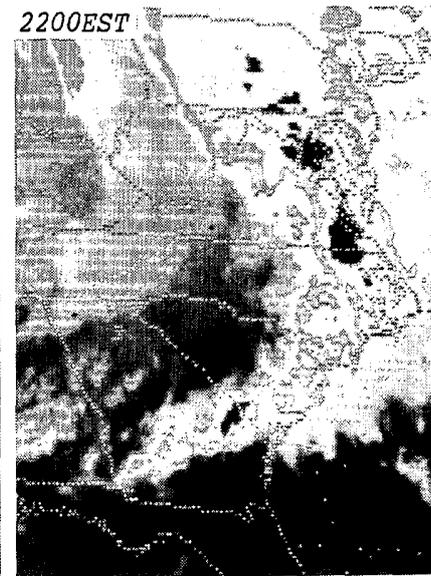
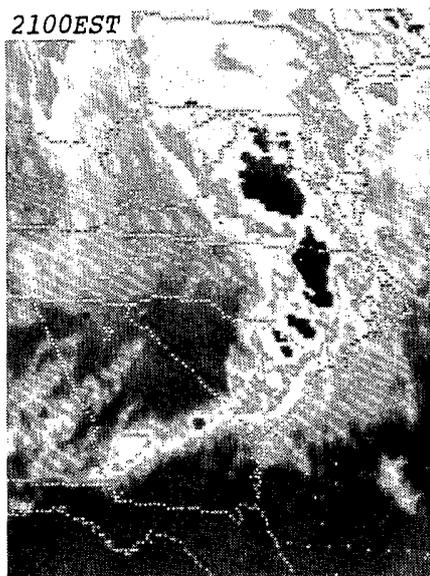
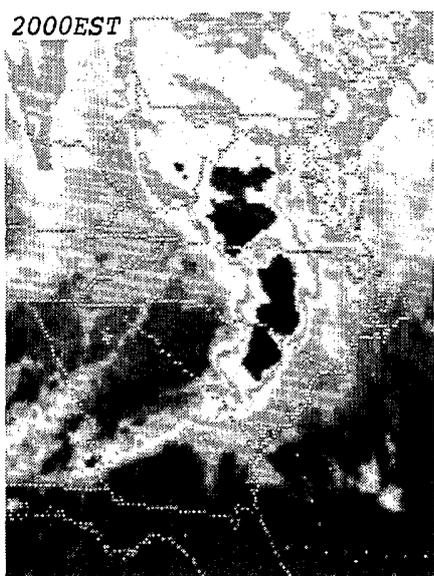
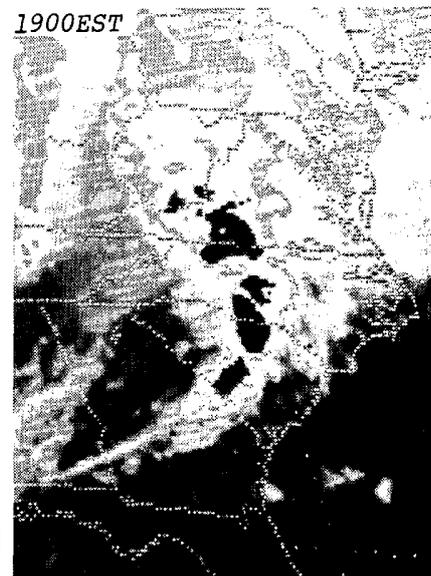
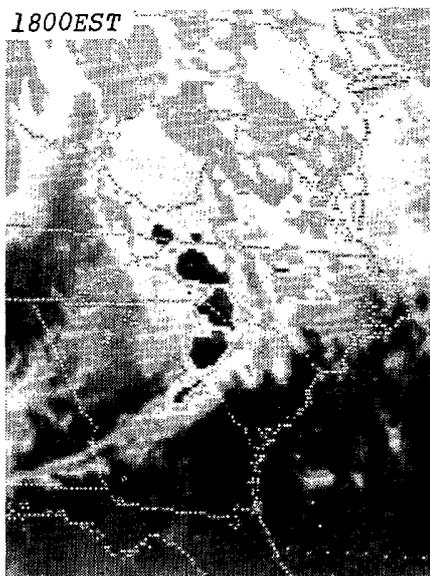
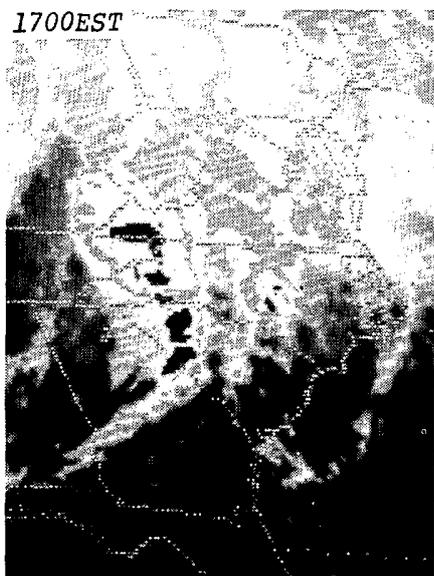
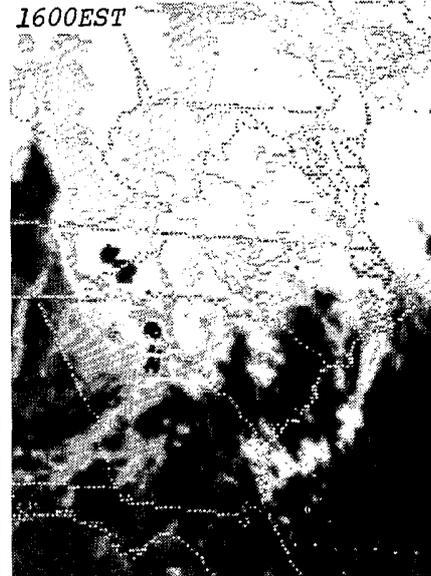
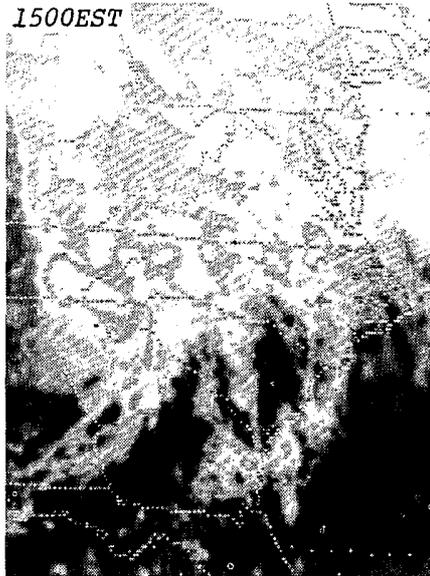
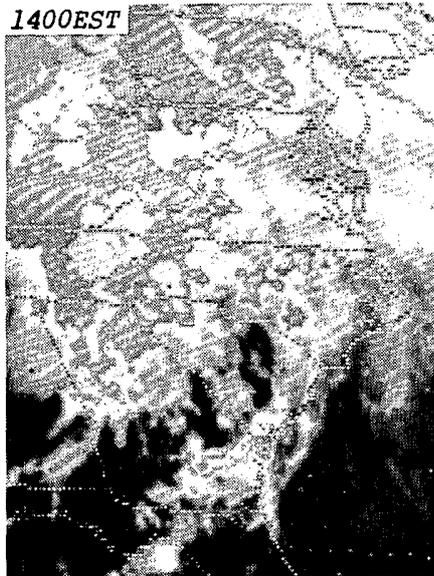
LEFT: The path of the Brackettville, Texas tornado of May 16, 1989. ---Graphic by the University of Chicago from a mapping provided by the NWSFO at San Antonio, Texas.

6. TORNADO OUTBREAK In the SOUTHEAST U.S. on May 5, 1989



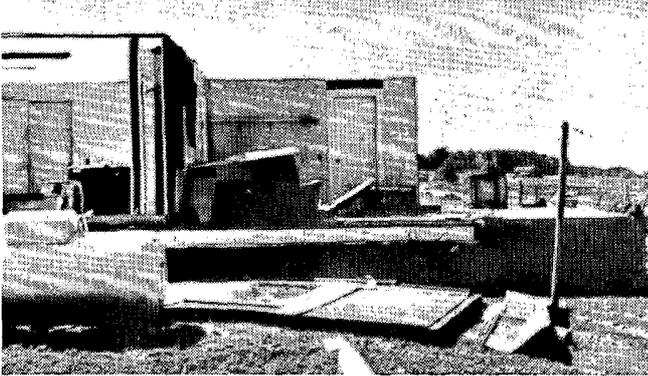
An outbreak of 17 tornadoes occurred in the lee of the Appalachians across Georgia, South Carolina, North Carolina and Virginia during the afternoon and evening of May 5th. Of the 17, 3 were classified as reaching a maximum intensity of F4, 1 was F3, 5 were F2 and 8 were F1. Although the tornadoes were spread over an area over 400 miles along its major axis, the three F4 tornadoes all occurred within about 60 miles of Charlotte. They were also responsible for most of the damage, over \$16 million worth, and all 7 of the deaths resulting from the outbreak. One of the F4's touched down 5 miles west of Chesnee in South Carolina and moved northeast along a 15 mile path that ended 6 miles into North Carolina. The tornado did

Paths of 17 tornadoes in the Southeast U.S. on May 5, 1989, with maximum F scale intensity and starting times indicated. ---Graphic by the University of Chicago from data supplied by NWSFO's at Atlanta, GA; Raleigh, NC and Washington, DC; and the South Carolina State Climatology Office, Columbia.



A sequence of GOES 7 satellite, infrared images taken hourly from 1400 to 2200 EST on May 5, 1989 shows the arcing line of thunderstorms that generated the 17 tornadoes as it swept eastward across the Southeastern United States. All of the tornadoes were produced within the period shown, but more importantly, the most intense tornado activity occurred between 1700 and 2000 EST as the cold domes of the storms were experiencing their greatest increase. ---Photos from the National Environmental Satellite Data and Information Service, Washington, DC.

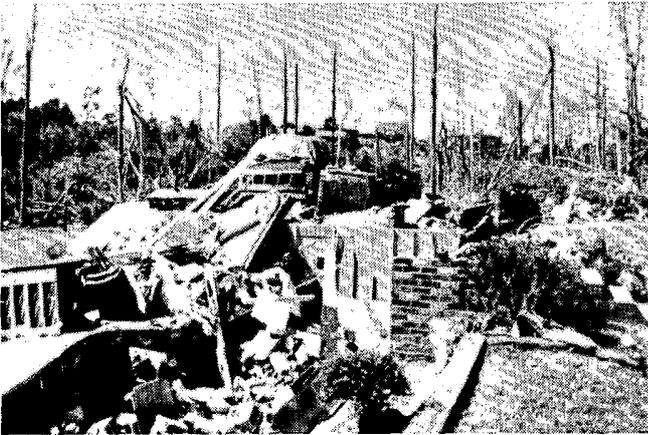
Until otherwise indicated, all of the following photos are of damage caused by the F4 tornado that struck near Chesnee, South Carolina on May 5th.



Only a few walls remain standing at this home on Martin Camp Road after the tornado destroyed it. A 66 year old man was killed when part of the home's chimney fell into the room where he and his wife had taken refuge.



This twisted wreckage lying in a field is all that remained of a luxury type mobile after it was hurled 150 yards by the tornado.



All three photos above are of a well-constructed, brick veneer house in the Arrowood Community that was completely dismantled by the tornado. Two children sought shelter in the basement; one young girl was seriously injured when a wall fell in on her.



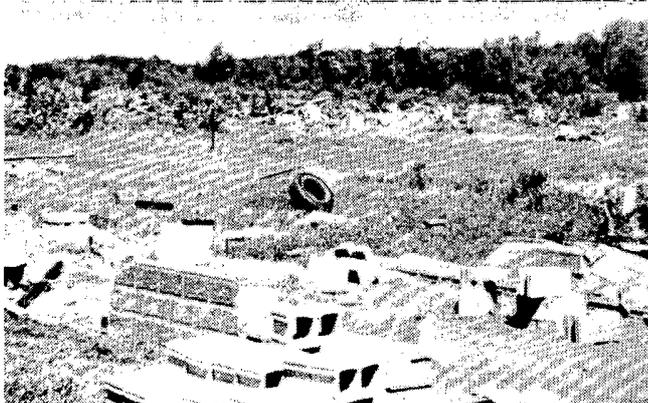
Homeowners pick through the rubble of a former cinder block cottage. Although residents claimed there were no bales of hay within 5 miles of this site, one ended up in the lake (lower left). The dry weight of the bale is estimated at 750-1000 pounds.



This solid stone house stood up well when struck by the tornado's periphery, although it still lost its roof and several windows.



A three ton service utility truck rests upside down after being blown 75 feet.



The site of a mobile home on Old Island Ford Road that was blown into a peach orchard (background), resulting in the death of an elderly woman.

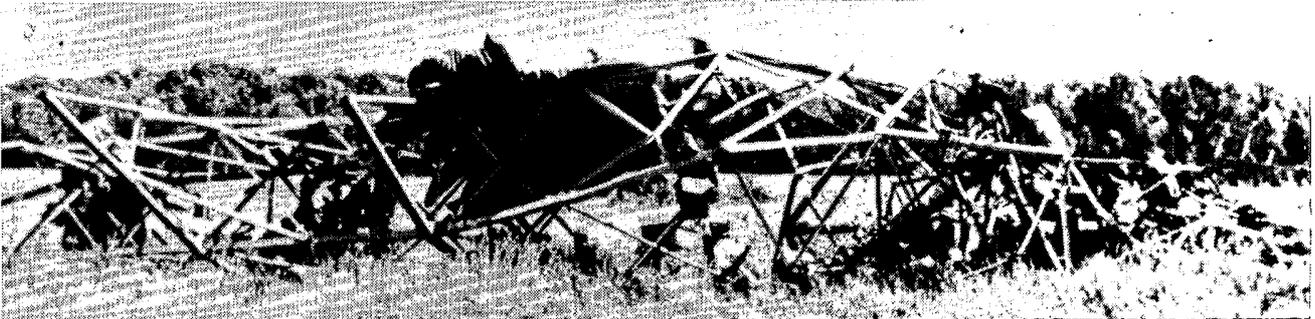


Raked down peach trees and strewn debris were the result of the tornado's effect on this orchard which was blasted by wind estimated at 150+ mph.

\$2.75 million in damage in South Carolina alone and caused two of the deaths. The deadliest tornado touched down 3 miles northeast of Lawndale in North Carolina and caused 4 deaths, all near Toluca, and \$5.6 million in damage along its 14 mile path. The last F4 tornado caused only one death but was the most damaging tornado of all, producing \$8 million in losses along its 13 mile path which began 8 miles west of Monroe, North Carolina. For the outbreak as a whole, there were 168 injuries caused by the tornadoes and all of the tornadoes moved northeast, with the exception of the final two in Virginia that moved more northerly.



Also at the orchard, this one-half inch thick sheet of plywood was impaled onto the stump of a snapped peach tree.



One of several high voltage towers that were toppled by the tornado, this fallen metal skeleton also acted as a catchment for wind-blown debris and collected several large pieces of roofing tin.

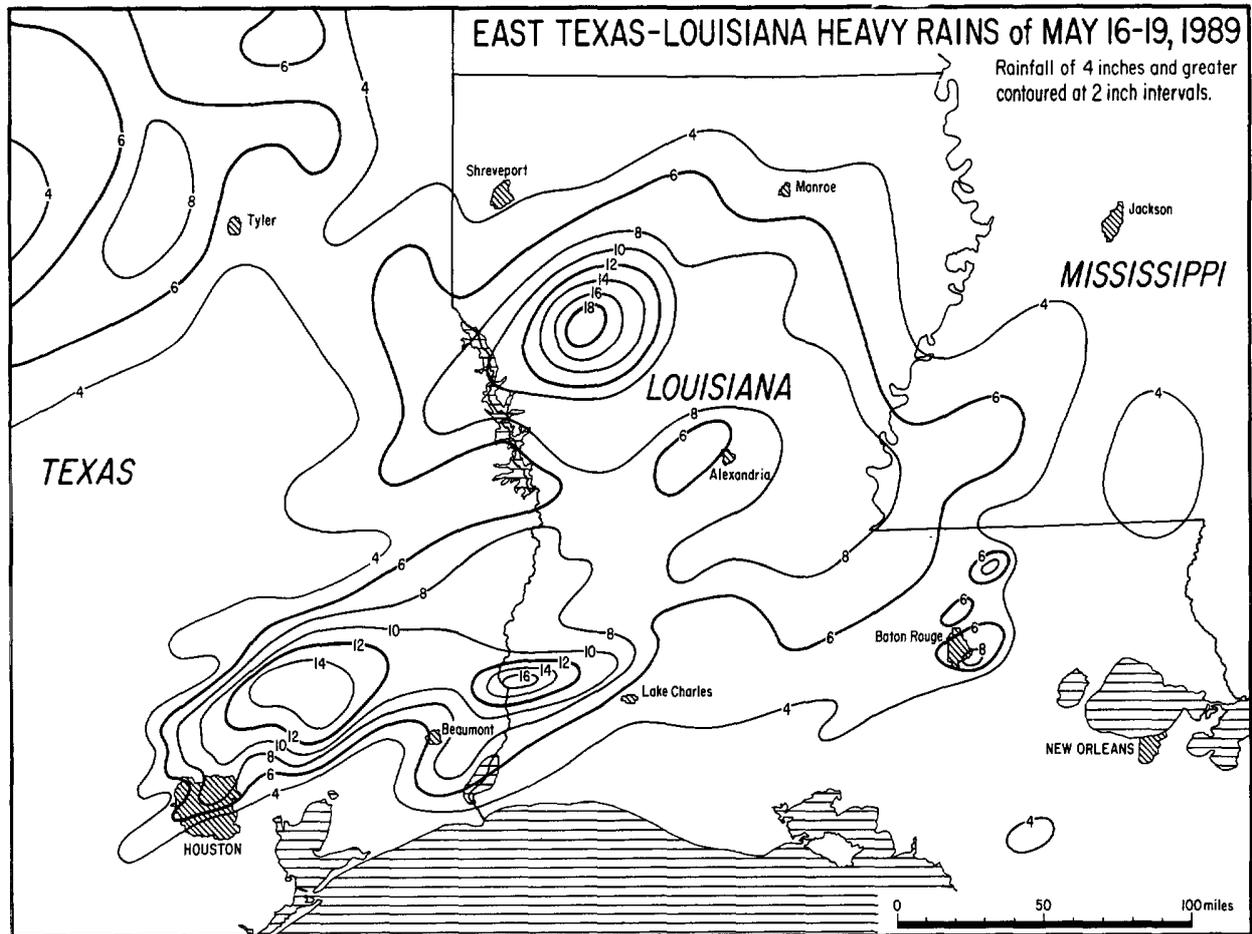
---All photos above and on pages 18 and 19 are by Wes Tyler, South Carolina State Climatology Office, Columbia.



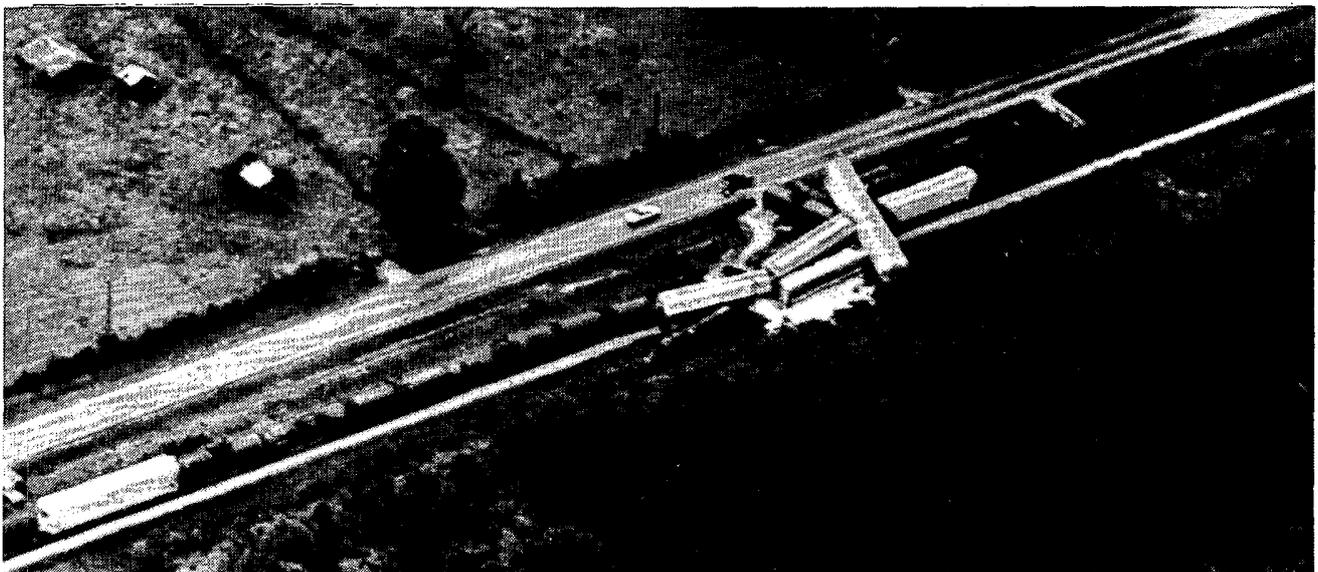
A pickup truck lies upside down in a field amid scattered debris from a destroyed house. Both the truck and home were hit near Toluca in Lincoln County, North Carolina by the F4 tornado that killed 4 people. Two of those killed were in the truck. Their bodies were found next to the vehicle, 150 yards from the driveway into which they had pulled just seconds before the tornado struck. ---Photo by Ron Kuhn, NWSO at Charlotte, North Carolina.

7. HEAVY RAINS and FLOODING in EAST TEXAS and LOUISIANA on May 16-18, 1989

From May 16th through the 18th, persistent thunderstorms with very heavy rainfall, aside from other damaging phenomena, plagued portions of eastern Texas and Louisiana and resulted in widespread flooding and flash flooding. Rainfall was heaviest in areas northeast of Houston and Beaumont, and at the utmost near Coushatta, Louisiana between Shreveport and Alexandria where over 18 inches of rain had fallen. The rain had put a heavy burden on river systems which drain the affected area, especially the Sabine which forms the border between the two states. Near-record stages on the Toledo Bend Reservoir necessitated record releases which caused extensive lowland flooding downstream all the way to Sabine Lake near the Gulf of Mexico. (See individual reports in Storm Data for details on the flooding.)



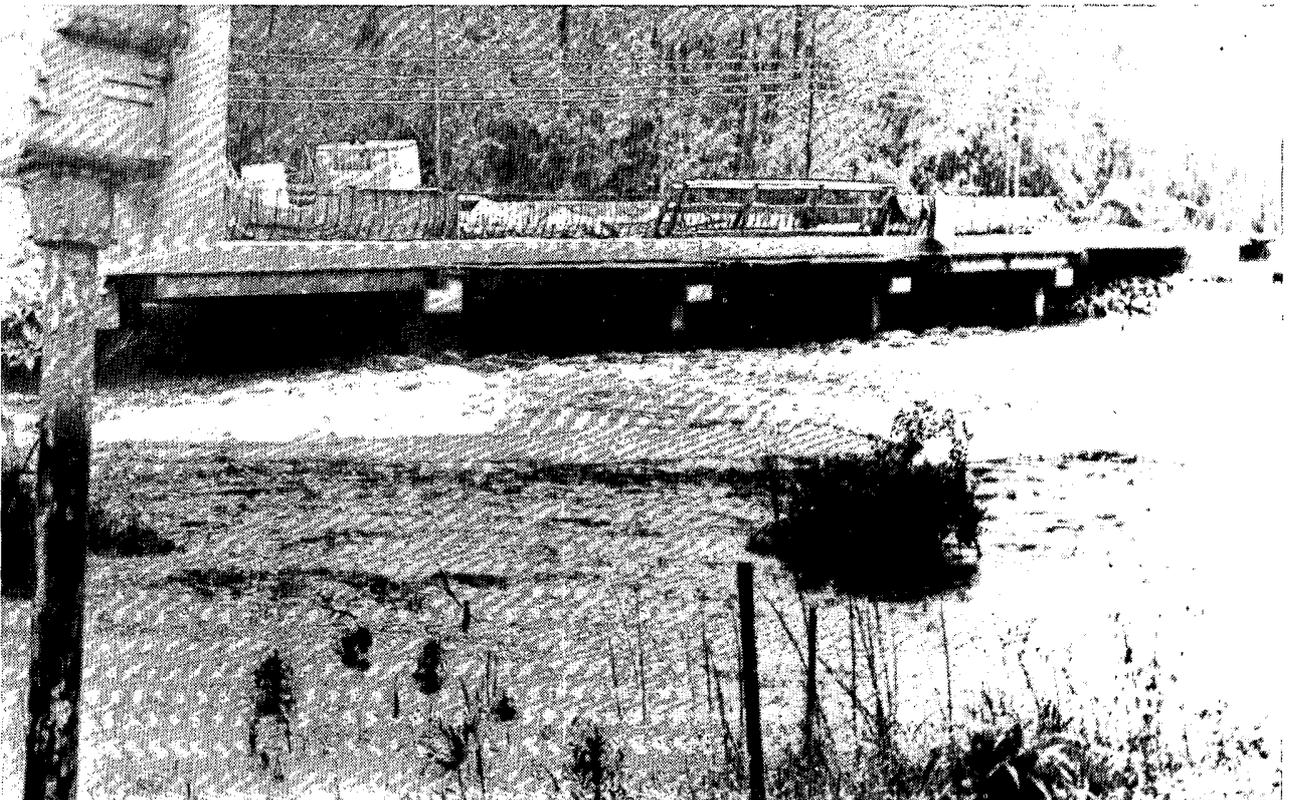
Isohyet analysis of 4-day rainfall of 4 inches and greater in the South-Central U.S. on May 16-19, 1989. ---Mapping by the University of Chicago from Cooperative Observer data supplied by the National Climatic Data Center, Asheville, North Carolina.



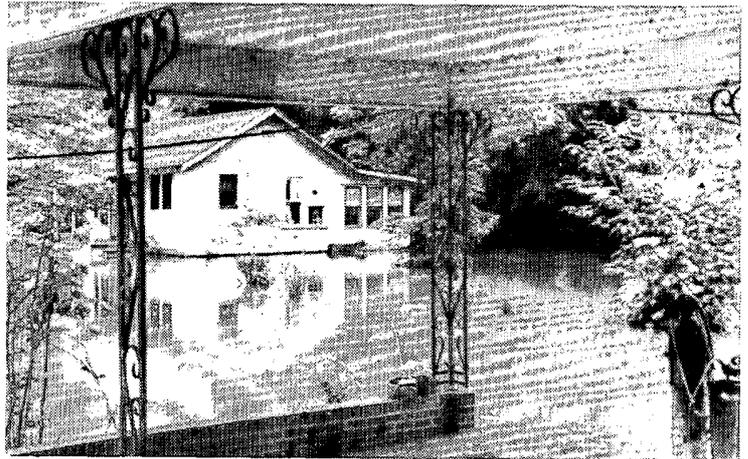
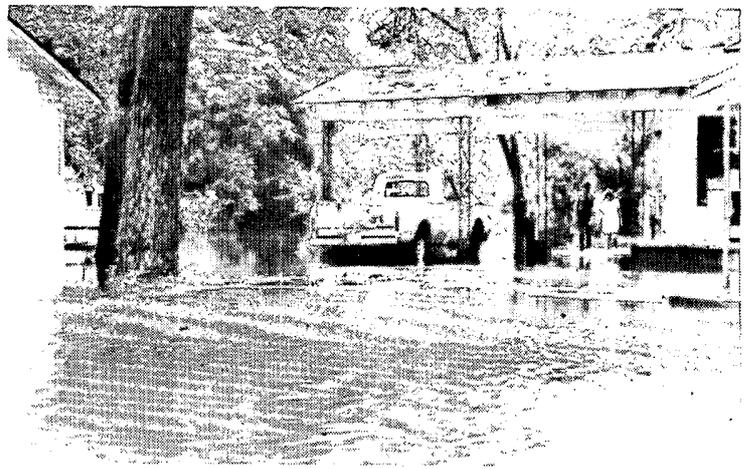
The site of a train wreck near Coushatta, Louisiana where fifteen of the freight cars were derailed when the track roadbed, eroded by floodwater which at the time covered both the tracks and adjacent Highway 480, gave way under the weight of the passing train. ---(ST)



A car transudes floodwater over a road intersecting U.S. Highway 71 at Armstead, Louisiana near Coushatta. Floodwaters which were two feet deep over the road surface earlier had already receded considerably. ---(ST)



Raging water climbs the piers of a bridge under construction near Winnfield, Louisiana as the rains continue to fall. ---(WPE)



Also near Winnfield, a pickup truck plows through standing floodwater as the rains continue to fall (above) and water backs up from a local bayou, threatening to infiltrate homes (both right). ---All three photos (WPE).

BELOW: Overflow from Cow Bayou breaches Highway 171 south of Mansfield, Louisiana on the morning of May 18th. The road was closed for about 12 hours. ---(ST)

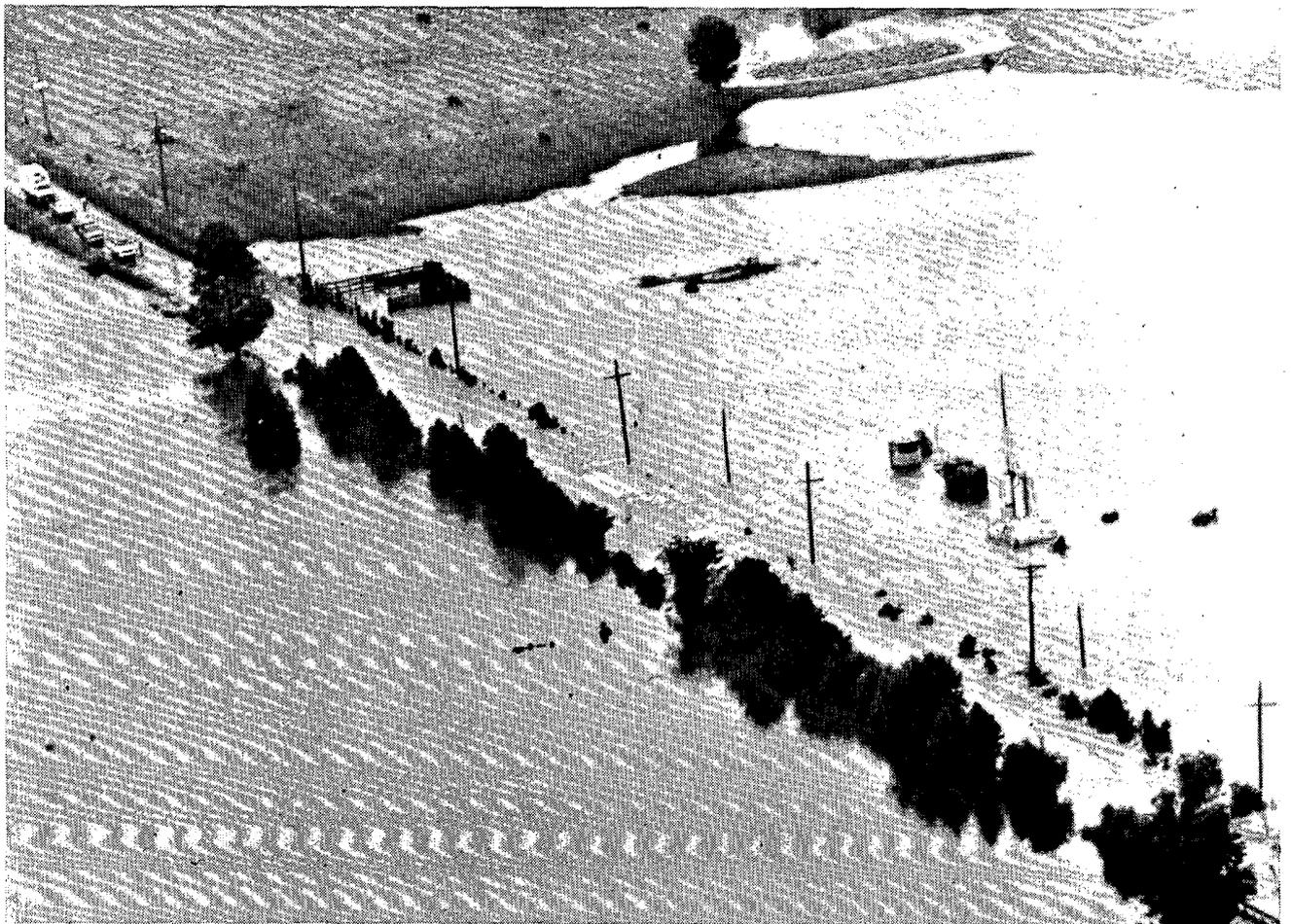


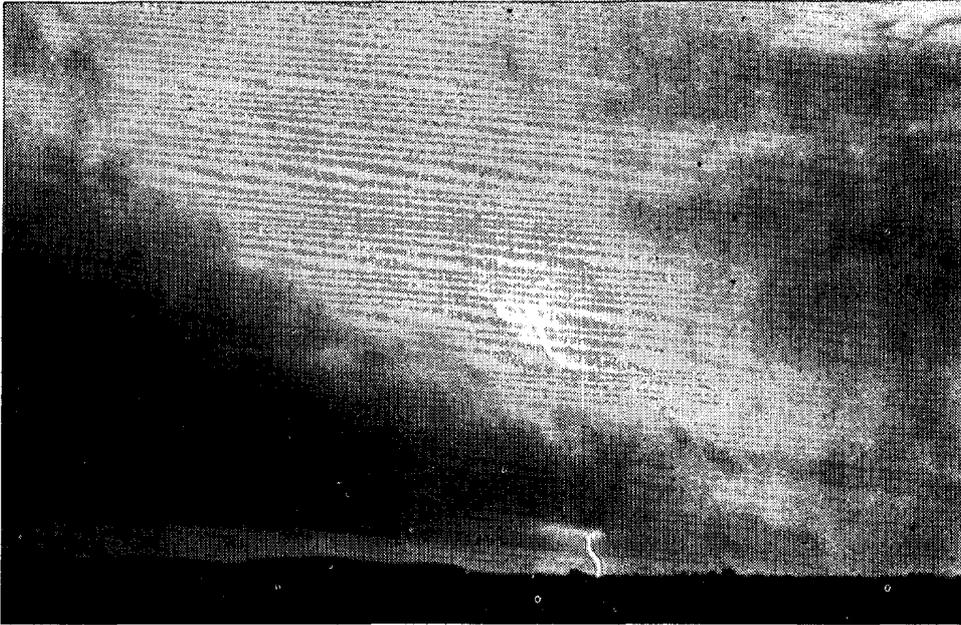
Photo credits for pages 21 through 23 are as follows:

(ST) by Lloyd Stilley, The Shreveport Times, Shreveport, Louisiana and provided through Ernest S. Ethridge, NWSO at Shreveport; and

(WPE) by Raymond Carpenter and Jane Rohr, The Winn Parish Enterprise, Winnfield, Louisiana.

STORM SHORTS . . .

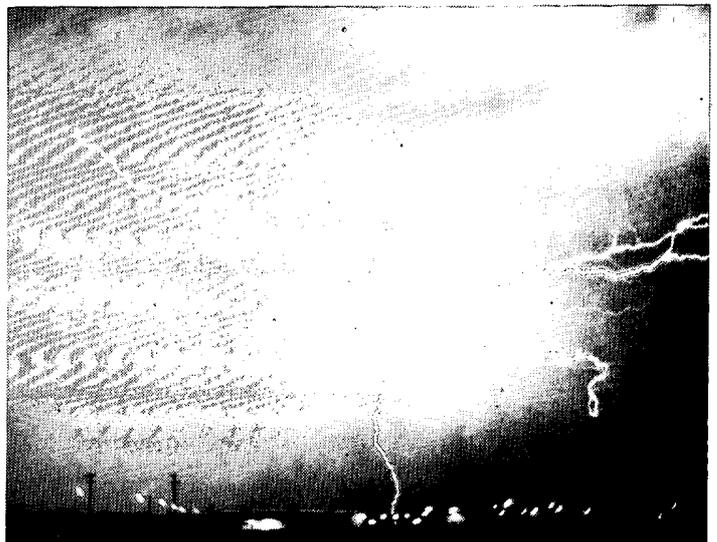
As large numbers of storm photos have been submitted to Storm Data for publication in issues of mainly Spring and Summer months, a time of high storm frequency and therefore observability, this new section "Storm Shorts" is being introduced on an as-needed basis to include photos of events that might not warrant being featured as an Outstanding Storm, but may nonetheless be of interest to readers.

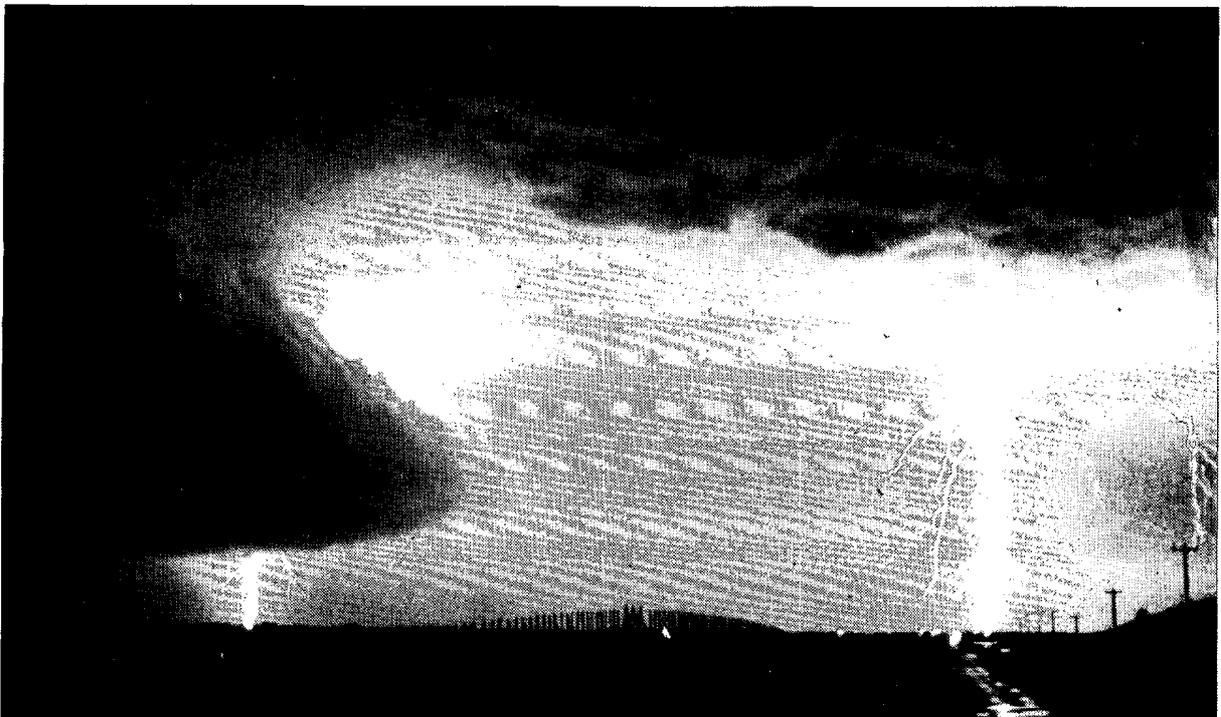


A shelf cloud marking the outflow boundary of an advancing thunderstorm is illuminated by lightning passing through it near San Angelo, Texas during the evening hours of May 14th. Winds along the outflow boundary gusted to over 80 mph from the north. ---Photo by Jack "Thunderhead" Corso of Harrison, New York; copyright 1989.

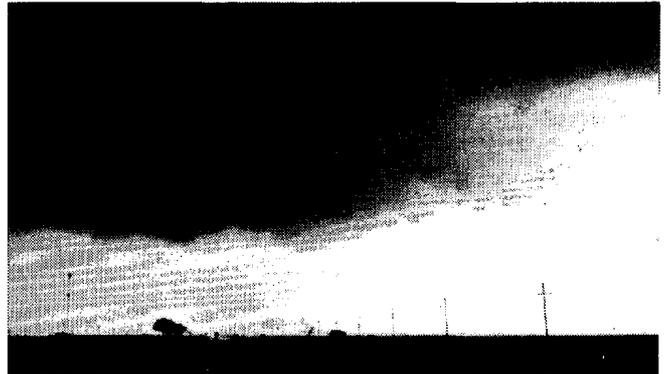
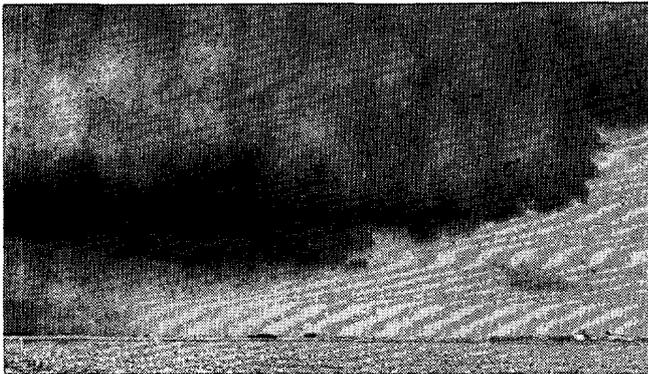


As total darkness set in on May 14th, the San Angelo, Texas storm produced a vivid display of cloud-to-ground lightning, as was captured in three photos above and at right. ---Two top photos by Jack "Thunderhead" Corso of Harrison, New York; right photo by Tim Dorr of Chicago, Illinois; all three copyright 1989.

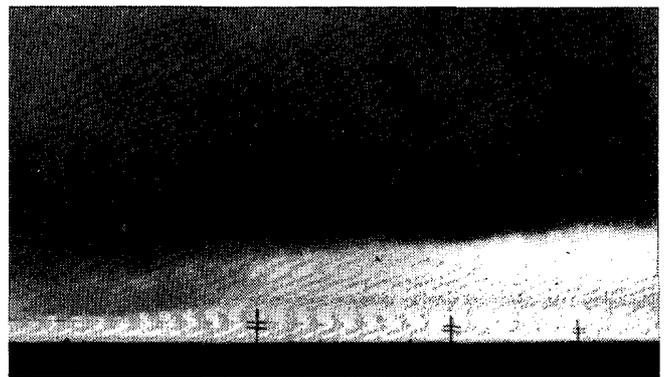




Two cloud-to-ground lightning bolts discharge in dramatic fashion near Paducah, Texas during the late evening of May 15, 1989, revealing the existence of a well-defined shelf cloud forerunning an outflow region of the storm.

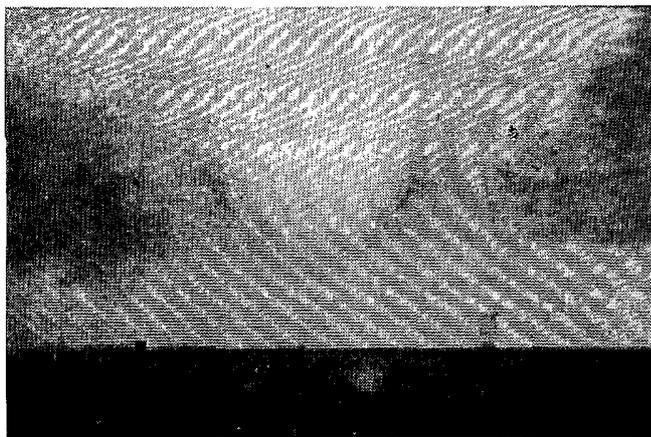
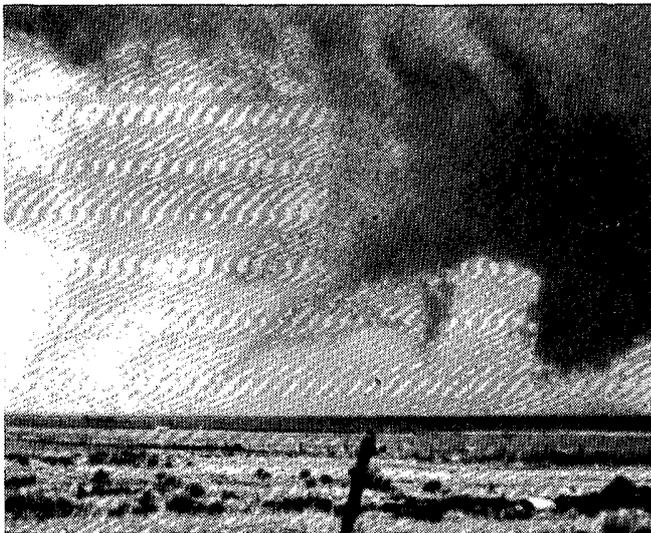


Clockwise from above, the formation of a small F0 tornado is seen in a three photo sequence showing first, a cylindrical, rotating wall cloud, dust being raised from beneath the wall cloud, and finally a small dust tube at the surface. The location and time is southwest of Amarillo, Texas along U.S. Highway 60 on the afternoon of May 16th.

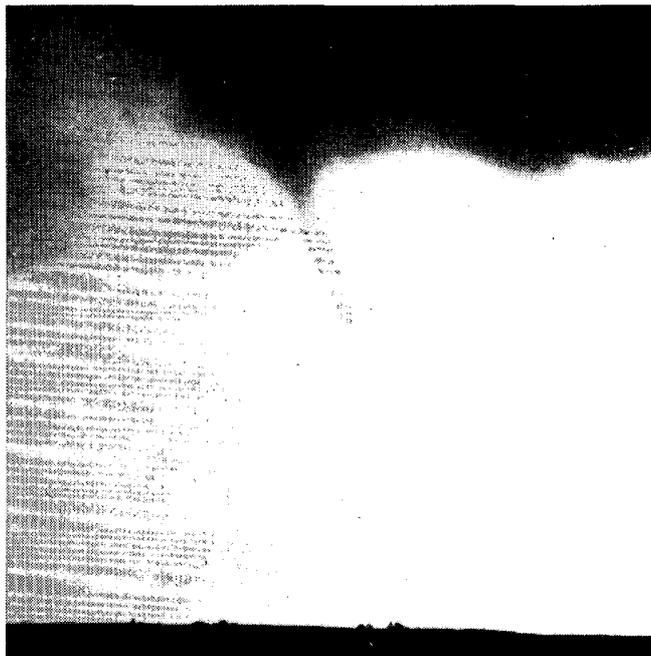
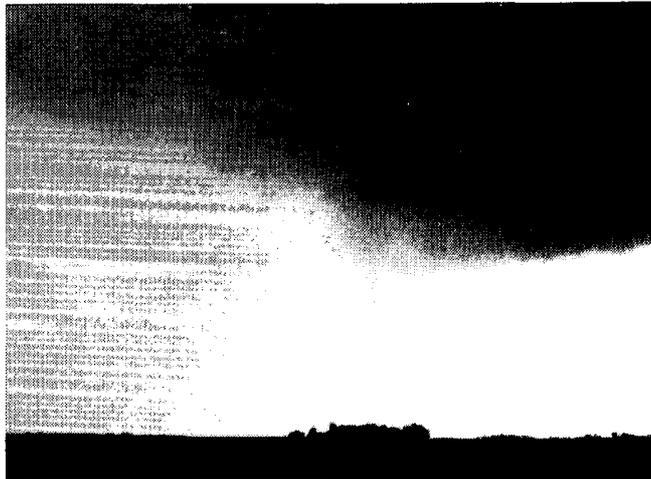


The condensation funnel of a tornado at Van Buren, Arkansas on May 18th is seen retreating during the tornado's final moments as viewed toward the north from Interstate 40, just east of Ft. Smith. Even though the funnel never extended all the way to the ground, damage of up to F2 intensity was produced at the surface.

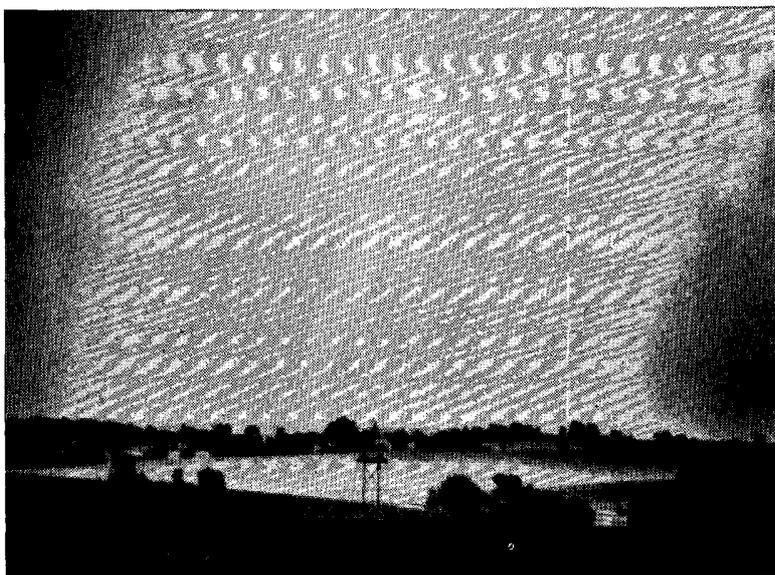
---All above photos are by Jack "Thunderhead" Corso of Harrison, New York; copyright 1989.



Above are two views of a tornado that traveled 17 miles from 5 miles south of McAlister to 2 miles east of Forrest in east-central New Mexico on the afternoon of May 15th. The condensation funnel was not always apparent and contact with the ground was occasional. Early on, the funnel was narrow and steeply sloped (top), but later it became a broad cone (bottom).



In two photos above is the initial touchdown of a tornado in central Iowa on May 24, 1989 that carved a 66 mile long path eastward from 7 miles southeast of Stratford in Hamilton County to 7 miles west of Traer in Tama County.

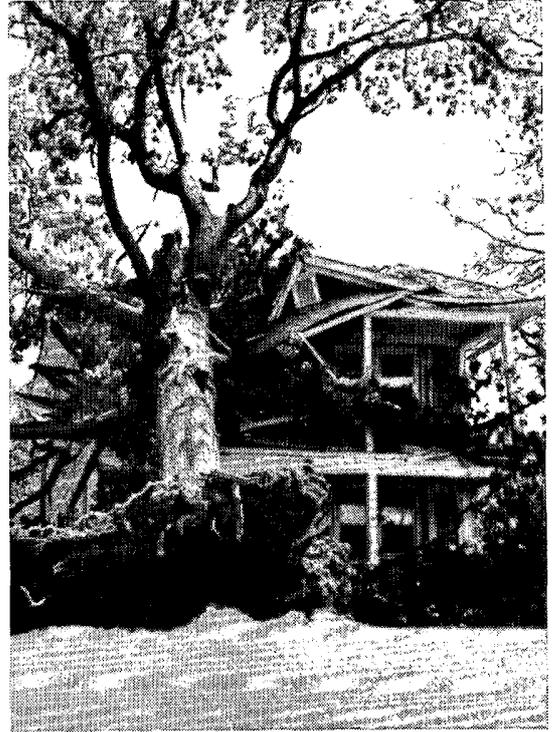


The same Iowa tornado shown above is seen *here* near Liscomb in northern Marshall County. The tornado occasionally reached F4 intensity at this point, and also attained its maximum width of about one-half mile. The tornado, viewed here toward the north, injured three people, destroyed a farm house and toppled 9 railroad hopper cars just north of Liscomb.

---All above photos are by David Hoadley of Falls Church, Virginia.



This fallen oak tree did serious damage to the nearby house when thunderstorm winds estimated at over 60 mph struck the Venable Community about 6 miles southwest of downtown Asheville, North Carolina at 2130 EST on May 26th. The winds were produced by a fast-moving line of thunderstorms that swept across the southern Appalachians from west-northwest to east-southeast. ---Both photos by William Propest, NCDC, Asheville, North Carolina.



STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
1 ALABAMA									
Clarke County	05	0730CST			0	0	?	?	TSTM Wind Trees and signs were blown down at Grove Hill.
Dallas County	05	1115CST			0	0	?	?	TSTM Wind Trees were blown down at Selma. One tree fell onto a car and another onto a house.
Jefferson County	05	1120CST			0	0	?	?	TSTM Wind Trees were blown down which caused minor roof damage to about a dozen homes in the northeastern part of Birmingham just east of the Birmingham airport.
Chambers County	05	1300CST			0	0	?	?	TSTM Wind Trees were blown down at scattered locations in Chambers County.
Mobile County	18	2330CST			0	0	?	?	TSTM Wind
	18	2330CST			0	0	?	?	Flash Flooding Torrential rain produced street flooding in downtown Semmes. A large tree was blown down in the same area.
Baldwin County	19	1340CST	0.3	20	0	0	0	0	Waterspout-Tornado (FO) A waterspout in Bon Secour Bay moved northeast onto shore just south of county road 12 on the extreme southern edge of Weeks Bay. As it moved a short distance it raised sand and some driftwood before it dissipated. There was no damage.
Washington County	19	1515CST			0	0	?	?	Hail (0.75) Dime size hail fell at Deer Park.
Mobile County	19	2115CST			0	0	?	?	TSTM Wind
	19	2115CST			0	0	?	?	Flash Flooding Thunderstorm winds blew the roofs off and extensively damaged four large buildings at the University of South Alabama campus at Brookely Field in Mobile. Approximately three to five inches of rain flooded buildings in downtown Mobile and the surrounding areas.
Cullman County	20	1100CST			0	0	?	?	TSTM Wind Thunderstorm winds blew the roof off a barn at Jones Chapel. Trees were also blown down at Vinemont.
Jefferson County	20	1130CST			1	0	0	0	Lightning A 25 year old male was killed by lightning on a lot next to a building on Birmingham's north side. An umbrella was found lying next to the man's body. Lightning M250
Calhoun County	20	1200CST			0	1	0	0	Lightning A 14 year old boy was slightly injured by lightning while standing near a tree at Ohatchee.
Marion County	20	1315CST			0	0	?	?	TSTM Wind Trees and power lines were blown down at Guin.
Lamar County	20	1410CST			0	0	?	?	TSTM Wind Trees and power lines were blown down at Sulligent.
Geneva County	23	1045CST			0	0	?	?	TSTM Wind Trees were blown down at Geneva. One large tree heavily damaged a house.
Perry County	23	1045CST			0	0	?	?	Hail (0.75) Dime size hail fell at Uniontown.
Houston County	23	1100CST			0	0	?	?	TSTM Wind
	23	1100CST			0	0	?	?	Hail (0.75) At Ashford dime size hail fell and an awning was blown off a house.
Henry County	23	1115CST			0	0	?	?	TSTM Wind Trees were blown down and metal buildings were damaged at Tumbleton.
Limestone County	27	0130CST			0	0	?	?	TSTM Wind Trees were blown down at various locations in the county.
Lowndes County	27	1505CST			0	0	?	?	Hail (0.75) Dime size hail fell on Interstate 65 between Fort Deposit and Sandy Ridge.
2 ARIZONA ————— NONE REPORTED									
3 ARKANSAS									
Little River Co.	04	0615CST			0	0	?	?	Hail (1.00) 5 W Ashdown
Hempstead Co.	04	0630CST			0	0	?	?	Hail (0.88)
Fulton	04	0630CST			0	0	?	0	Thunderstorm Winds (60)
Hempstead Co.	04	0630CST			0	0	?	?	Thunderstorm Winds Trees were blown down south of Guernsey.
Miller Co.	04	0638CST			0	0	?	?	Hail (1.00)
Hervey	04	0638CST			0	0	?	?	Hail (0.88)
1 E Texarkana									
Ashley Co.	04	0815CST			0	0	4	?	Thunderstorm Winds A mobile home in Crossett was severely damaged as high winds blew a large tree onto it.
Ashley Co.	04	0910CST			0	4	5	?	Thunderstorm Winds Freak thunderstorm winds peeled open the roof of the Parkdale Elementary School gymnasium, leveled a nearby mobile home, and damaged the roofs of two other nearby homes. All four people who were injured were fourth-graders who were just about to leave the school gymnasium when the storm struck. Three injuries were due to flying glass, while the fourth occurred as one girl was hit by concrete blocks that fell from one wall which was holding up the roof. None of the injuries were serious. Damage to the school alone was estimated at nearly 100,000 dollars.
Franklin Co.	08	1220CST			0	0	?	?	Hail (0.75) 5 S Ozark
Logan Co.	08	1238CST			0	0	?	?	Hail (0.88) Paris
Logan Co.	08	1244CST			0	0	?	?	Hail (0.75) 1 E Paris
Yell Co.	08	1258CST			0	0	?	?	Hail (1.75) Havana
Conway Co.	08	1330CST			0	0	?	?	Thunderstorm Winds Trees and power lines were downed by winds at Oppelo.
Perry Co.	08	1345CST			0	0	?	?	Hail (1.75) Thornburg
Blue Jay	08	1345CST			0	0	?	?	Hail (1.75)
Thornburg	08	1345CST			0	0	?	?	Thunderstorm Winds
Bigelow	08	1345CST			0	0	?	?	Thunderstorm Winds Severe thunderstorms moved through a good deal of eastern Perry County and dropped very large hail and downed trees and power lines at Thornburg. The hail accumulated to a depth of four inches at Thornburg. Other trees and power lines were downed at Bigelow. One tree fell onto a house.
Newton Co.	08	1400CST			0	0	?	0	Lightning Lightning completely destroyed a home at Mc. Judea. Another home on U. S. Highway 65 near Hurricane River Cave was also struck by lightning, which destroyed one room.
Pope Co.	08	1455CST			0	0	0	?	Hail (1.75) Several wheat fields were damaged by large hail. The worst hit area was south of Atkins.
Conway Co.	08	1505CST			0	0	0	6	Hail (1.75) Between 800 and 1,000 acres of wheat and oats were damaged by hail. Several fields were totally destroyed. A five-acre vegetable crop was also wiped out.
Hot Spring Co.	08	1630CST			0	0	?	?	Thunderstorm Winds Trees and power lines were downed near Dixonville.
Grant Co.	08	1645CST			0	0	?	?	Hail (1.75) Sheridan
Grant Co.	08	1650CST			0	0	?	?	Thunderstorm Winds Trees and power lines were downed by winds near Leola.
Jefferson Co.	08	1700CST			0	0	?	?	Thunderstorm Winds AP&L reported trees and power lines downed on the west side of Pine Bluff.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

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

— ARKANSAS

Jefferson Co.	08	1715CST			0	0	4	0	Thunderstorm Winds
A severe thunderstorm blew a mobile home off its base south of Pine Bluff. Several trees were also uprooted in the area.									
Cleveland Co.	08	1725CST			0	0	?	?	Hail (1.75) Thunderstorm Winds
Hail up to golfball size, along with strong winds that downed trees occurred along Arkansas Highway 35 near Rison.									
Drew Co.	08	1815CST			0	0	?	?	Thunderstorm Winds
High winds downed trees along Arkansas Highway 35 just north of Monticello. A house was damaged by the winds along Arkansas Highway 172, five miles south of Monticello.									
Benton Co. Siloam Springs	08	1840CST			0	0	?	?	Hail (0.75)
Benton Co. Siloam Springs Siloam Springs	08	1850CST			0	0	?	?	Hail (1.00)
	08	1850CST			0	0	?	0	Thunderstorm Winds
Trees and roofs were damaged.									
Ashley Co.	08	1910CST			0	0	?	?	Thunderstorm Winds
AP&L reported trees and power lines downed due to winds at Portland and Wilmot.									
Chicot Co.	08	1915CST			0	0	?	?	Thunderstorm Winds
AP&L reported trees and power lines downed due to winds at Eudora and Lake Village.									
Stone Co.	08	1940CST			0	0	?	0	Thunderstorm Winds
Violent winds from a severe thunderstorm blew down numerous trees and power lines in Mountain View. Three hangars at the airport lost their roofs. The new roof of a downtown business was also blown off.									
Prairie Co.	08	2030CST			0	0	5	?	Thunderstorm Winds Hail (1.00)
A severe thunderstorm ripped through Des Arc, and downed trees, blew out windows, and caused minor structural damage throughout the city. Total estimates of storm damage were over 50,000 dollars. Large hail accompanied the storm, and caused damage in the surrounding farm areas.									
Crawford Co. Cedarville	08	2053CST			0	0	?	?	Hail (1.75)
Cleburne Co. Heber Springs	08	2054CST			0	0	?	?	Hail (0.88)
Cleburne Co. Heber Springs	08	2058CST			0	0	?	?	Hail (1.75)
The hail broke the window of a patrol car.									
Crawford Co. Van Buren	08	2100CST			0	0	?	?	Hail (1.75)
St. Francis Co.	08	2105CST			0	0	?	0	Thunderstorm Winds
A severe thunderstorm near Wheatley blew a portion of an aluminum roof off the pump island at a truck stop. The wind carried the aluminum 100 yards into an adjacent field.									
Monroe Co.	08	2109CST			0	0	?	?	Thunderstorm Winds
Winds from a severe thunderstorm blew down trees and utility lines. Several roofs were damaged by the falling trees. The majority of the damage occurred in Brinkley, but spotty damage occurred in most parts of the county.									

— ARKANSAS

Sebastian Co. Fort Smith	08	2115CST			0	0	?	?	Hail (0.88)
Barling	08	2125CST			0	0	?	?	Hail (1.75)
Fort Smith Airport	08	2138CST			0	0	?	?	Hail (0.75)
Monroe Co.	08	2125CST			0	0	5	6	Hail (2.75)
The hailstorm that struck Monroe County was particularly bad for wheat farmers in the county. Out of 30,000 acres of wheat, more than 18,000 acres were destroyed by the storm as it moved northwest to southeast through much of the county. The width of the path ranged from a mile to three or four miles. The worst affected area stretched from Brinkley to Blackton. Damage was estimated at nearly one million dollars. One hundred thousand dollars of damage was structural.									
Monroe Co.	08	2130CST			0	0	?	?	Thunderstorm Winds
Severe thunderstorms downed trees in and around Clarendon.									
Phillips Co.	08	2140CST			0	2	5	?	Thunderstorm Winds
Damage was scattered along a path from two miles southeast of Watkins Corner, to several miles west of West Helena by severe thunderstorm winds. Two mobile homes were destroyed and two others were damaged five miles west of West Helena. AP&L reported that four power line towers were destroyed due to high winds, and two others were damaged. One man who was injured received a broken leg as the winds destroyed his trailer. Another girl received minor injuries from flying glass. Overall damage was about 100,000 dollars.									
White Co. 7 W Searcy	08	2145CST			0	0	?	?	Hail (1.00)
White Co.	08	2146CST			0	0	?	?	Thunderstorm Winds
AP&L reported trees were uprooted near Beebe.									
Lonoke Co.	08	2200CST			0	0	?	0	Thunderstorm Winds
Winds from a severe thunderstorm blew down power lines at Ward and Austin.									
Pope Co.	08	2200CST			0	0	5	0	Lightning
Lightning struck the oldest church in Atkins, setting fire to the steeple. The church auditorium and sanctuary suffered considerable smoke and water damage.									
Sebastian Co. Greenwood	08	2200CST			0	0	?	?	Hail (1.75)
Lee Co.	08	2205CST			0	0	?	0	Thunderstorm Winds
Trees and monuments were blown down at the LaGrange cemetery. Nearby, a farm shop was destroyed.									
Lonoke Co.	08	2215CST			0	0	?	0	Flash Flood
Thunderstorms with very heavy rains flooded parts of Cabot. Water entered City Hall as well as the Police Department and Library. Several stores in a shopping center suffered water damage. A few residents were evacuated from flooded apartments.									
Scott Co. Waldron	08	2240CST			0	0	?	?	Hail (0.88)
Arkansas Co.	08	2320CST			0	0	?	?	Thunderstorm Winds (52)
Winds gusted to over 60 MPH at the Stuttgart Municipal Airport, causing minor damage to the hangars. The winds blew down several large trees in town.									
Prairie Co.	08	2325CST			0	0	?	?	Thunderstorm Winds
AP&L reported trees and power lines downed by winds at Des Arc.									
Howard Co. Muddy Fork	09	0040CST			0	0	?	?	Hail (1.00)
Pike Co. 2 N Murfreesboro	09	0045CST			0	0	?	?	Hail (1.75)
Hempstead Co. Dunlap	09	0117CST			0	0	?	?	Hail (1.00)
Nevada Co. Gum Grove	09	0120CST			0	0	?	?	Hail (1.00)
Glennville	09	0128CST			0	0	?	?	Hail (0.88)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— ARKANSAS									
Hempstead Co.	09	0135CST			0	0	?	?	Thunderstorm Winds (61)
			Winds up to 70 MPH at the Hope airport downed trees and power lines in and around the city of Hope.						
Columbia Co.	09	0215CST			0	0	?	?	Hail (1.00)
Emerson	09	0225CST			0	0	?	?	Hail (0.75)
Macedonia									
Little River Co.	09	0555CST			0	0	?	?	Hail (1.75)
Wilton									
Dallas Co.	14	0045CST			0	0	?	?	Hail (1.50)
Sparkman									
Washington Co.	15	1645CST			0	0	?	?	Hail (1.75)
between Farmington and Prairie Grove									
Washington Co.	15	1700CST			0	1	4	0	Hail (1.75)
Evansville	15	1700CST			0	0	5	0	Thunderstorm Winds
Evansville									
			A severe thunderstorm struck Evansville, causing damage at two farms. Hail pitted the side and back of one home and damaged a pickup truck and two cars. One man suffered slight injuries as he was moving his cars inside. Windows were broken out of a home and a milk barn. A holding pen was destroyed by winds and a chicken house was badly damaged. A number of trees in the area were uprooted.						
Crawford Co.	15	1745CST			0	0	?	0	Thunderstorm Winds
			Thunderstorm winds toppled a 70-year-old oak tree near Alma. The tree was 50 feet tall.						
Crawford Co.	15	1755CST			0	0	?	0	Thunderstorm Winds
			A severe thunderstorm passed through Mulberry. Lumber and sheet metal from a lumberyard was blown against a house next door.						
Little River Co.	16	0615CST			0	0	?	0	Thunderstorm Winds
W of Foreman	16	0615CST			0	0	?	0	Thunderstorm Winds
Winthrop									
			Strong thunderstorm winds blew down trees at several locations in the county.						
Little River Co.	16	0620CST			0	0	?	0	Thunderstorm Winds
			A large tree was blown onto a house in Ashdown, flattening the back of the house.						
Sevier Co.	16	0625CST			0	0	?	?	Hail (1.00)
5 SW Horatio									
Sevier Co.	16	1015CST			0	0	?	0	Thunderstorm Winds
DeQueen	16	1015CST			0	0	?	0	Thunderstorm Winds
Lockesburg	16	1015CST			0	0	?	0	Thunderstorm Winds
Central									
			A severe thunderstorm moving through the county blew down trees in several locations. The greatest damage was in and around DeQueen, where two houses were damaged by falling trees.						
Miller Co.	17	1630CST			0	1	?	0	Lightning
			An elderly woman was injured by lightning while sitting in her house at Texarkana. The lightning apparently came through a vent to a gas wall heater. The woman was hospitalized for three days and then returned home to complete her recovery.						
Quachita Co.	17	1715CST			0	0	?	0	Thunderstorm Winds
			Severe thunderstorms blew down trees in and around Camden. One tree fell on a house.						
— ARKANSAS									
Central Arkansas	17-	2100CST-			0	0	?	?	High Winds
	18	0700CST							
			The pressure difference between a developing low pressure center in eastern Oklahoma and a high pressure center in southern Arkansas caused strong winds to develop over the central part of the state. In Faulkner County, falling trees blocked streets and damaged houses in several parts of the county. Power outages occurred due to the falling trees. The story was much the same in Saline County, where reports of fallen trees and power lines came from all sections of the county. In Garland County, trees and power lines were also felled. In addition, the transmitting tower belonging to a Hot Springs radio station was twisted and toppled. A few trees and power lines were also blown down in the Little Rock area. In Clark County, a few trees and power lines were blown down.						
Stone Co.	18	0100CST-0400CST			0	0	?	?	High Wind
			Strong winds partially unroofed a chicken house and blew down a barn near Onia.						
Southeast Arkansas	18	1200CST-1900CST			0	0	?	?	High Winds (57)
			Strong winds blew across parts of southeast Arkansas for more than six hours. Trees and power lines were blown down, and highway signs were twisted and bent.						
Crittenden Co.	18	1600CST			0	0	?	0	Thunderstorm Winds
			A severe thunderstorm struck West Memphis. Trees and power lines were blown down, knocking out power to thousands of people. In some cases, the winds were strong enough to cause power lines to wrap around themselves.						
Columbia Co.	18	1715CST			0	0	?	0	Lightning
			Lightning damaged 10,000 feet of telephone cable along Arkansas Highway 19 between Magnolia and Macedonia. Telephone service was interrupted to residents in the area.						
Crawford Co.	18	1745CST	0.75	125	0	0	5	?	Tornado (F2)
			A tornado touched down one mile north of Interstate 40 on Arkansas Highway 59, just north of Van Buren. It traveled northeast, damaging ten houses, two businesses, and several vehicles. Numerous trees were uprooted and broken. Six utility poles were also broken. Two church buses were overturned.						
Sebastian Co.	18	1805CST			0	0	?	?	Thunderstorm Winds
			High winds downed trees on Newlon Road in Fort Smith.						
Polk Co.	18	1850CST			0	0	0	0	Funnel Cloud
Wickes									
Polk Co.	18	1905CST			0	0	0	0	Funnel Cloud
			A funnel cloud was reported north of Mena.						
Howard County	18	1915CST			0	0	0	0	Funnel Cloud
Baker Springs									
Howard Co.	18	1920CST			0	0	?	?	Thunderstorm Winds
			High winds downed trees near Umpire.						
Johnson Co.	18	1944CST			0	0	?	?	Thunderstorm Winds
			High winds downed trees near Coal Hill.						
Johnson Co.	18	1955CST			0	0	?	?	Thunderstorm Winds
			High winds downed trees at Hartman.						
Sevier Co.	18	2010CST			0	0	?	?	Hail (1.75)
King									
Sebastian Co.	18	2220CST			0	0	?	?	Thunderstorm Winds (52)
			A spotter in the north part of Fort Smith reported wind gusts to 60 MPH with a severe thunderstorm.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— ARKANSAS —									
Crawford Co. 5 N Van Buren	20	0410CST			0	0	?	?	Hail (0.75)
Crawford Co. Van Buren	20	0415CST			0	0	?	?	Hail (1.00)
Crawford Co. 5 S Alma	20	0422CST			0	0	?	?	Hail (1.00)
Sebasrian Co. 2 E Hackett	20	0520CST			0	0	?	?	Hail (0.75)
Conway Co.	20	0655CST			0	0	?	0	Thunderstorm Winds
									High winds knocked down power lines in Morrilton.
Faulkner Co.	20	0700CST			0	0	?	0	Lightning
									Lightning damaged transformers and power lines in the Conway area, and also in Greenbrier and Mayflower. In Conway, a bolt of lightning caused a tree to fall.
Cross Co.	20	0940CST	0.50	18	0	0	0	0	Tornado (F0)
									A tornado touched down briefly south of Cherry Valley. The tornado occurred in an open field and there was no damage.
Cross Co.	20	1005CST			0	0	?	0	Thunderstorm Winds
									AP&L reported trees and power lines down at Parkin.
Crittenden Co.	20	1015CST			0	0	?	0	Thunderstorm Winds
									AP&L reported trees and power lines down at Earle.
Benton Co. Bella Vista	21	1506CST			0	0	?	?	Thunderstorm Winds (52)
Bella Vista	21	1520CST			0	0	?	?	Thunderstorm Winds (70)
Bella Vista	21	1520CST			0	0	?	?	Hail (1.75)
Rogers	21	1526CST			0	0	?	?	Thunderstorm Winds (56)
									High winds ripped through much of Benton County. Trees and power lines were blown down. A gas pump at a service station was overturned.
Carroll Co.	21	1550CST			0	0	?	?	Thunderstorm Winds
									High winds downed many large tree limbs on Arkansas Highway 23 just south of Eureka Springs. Limbs were blocking the highway.
Madison Co. Hog Scald Forum Huntsville	21	1555CST			0	0	?	0	Thunderstorm Winds
	21	1600CST			0	0	?	0	Thunderstorm Winds
	21	1605CST			0	0	?	0	Thunderstorm Winds (52)
									A severe thunderstorm blew down trees at several locations in the county. Winds to 60 MPH were reported at Huntsville.
Benton Co. Bentonville	21	1559CST			0	0	?	?	Hail (0.75)
Carroll Co.	21	1607CST			0	0	0	0	Funnel Cloud
									The public reported a funnel cloud seven miles east of Eureka Springs.
Benton Co. 5 W Gravette	21	1609CST			0	0	?	?	Hail (0.75)
Benton Co.	21	1610CST			0	0	?	?	Thunderstorm Winds
									High winds downed trees in the northeast part of Benton County.
Benton Co. Bentonville 4 S Gravette	21	1624CST			0	0	?	?	Hail (1.75)
	21	1624CST			0	0	?	?	Hail (1.75)
Benton Co.	21	1626CST			0	0	?	?	Thunderstorm Winds
									High winds downed trees just east of Rogers.
Boone Co. Harrison Everton	21	1635CST			0	0	?	0	Thunderstorm Winds
	21	1635CST			0	0	?	0	Thunderstorm Winds
	21	1635CST			0	0	?	0	Lightning
									AP&L reported a few trees and power lines down at Harrison and Everton. Two cows were killed by lightning at Everton.
— ARKANSAS —									
Benton Co. Rogers	21	1637CST			0	0	?	?	Hail (0.75)
Washington Co. 1 W Knob Hill	21	1643CST			0	0	?	?	Hail (0.75)
Tonitown	21	1645CST			0	0	?	?	Hail (1.75)
Springdale	21	1650CST			0	0	?	?	Hail (1.00)
8 SW Tonitown	21	1650CST			0	0	?	?	Hail (2.75)
Wheeler	21	1658CST			0	0	?	?	Hail (1.75)
Fayetteville	21	1705CST			0	0	?	?	Hail (1.75)
Boone Co.	21	1715CST			0	0	?	?	Lightning
									Lightning killed fourteen head of cattle near Harrison while they huddled under a tree during a thunderstorm.
Madison Co. Huntsville Huntsville 10 SW Huntsville	21	1728CST			0	0	?	?	Hail (1.00)
	21	1730CST			0	0	?	?	Hail (1.75)
	21	1740CST			0	0	?	?	Hail (1.75)
Poinsett Co. Trumann Marked Tree	21	2015CST			0	0	?	0	Thunderstorm Winds
	21	2015CST			0	0	?	0	Thunderstorm Winds
									AP&L reported trees and power lines down.
Lonoke Co.	21	2035CST			0	0	?	0	Thunderstorm Winds
									A severe thunderstorm blew down trees and power lines in the northern part of the county.
Mississippi Co. Joiner Frenchmans Bayou	21	2040CST			0	0	?	0	Thunderstorm Winds
	21	2040CST			0	0	?	0	Thunderstorm Winds
									AP&L reported trees and power lines down.
Crittenden Co. Marion Turrell Gilmore	21	2100CST			0	0	?	0	Thunderstorm Winds
	21	2100CST			0	0	?	0	Thunderstorm Winds
	21	2100CST			0	0	?	0	Thunderstorm Winds
									AP&L reported trees and power lines down.
Monroe Co.	21	2115CST			0	0	?	0	Thunderstorm Winds
									Trees and power lines were blown down in Brinkley.
Lee Co. 3 SE Wheatley 3 S Marianna	21	2120CST			0	0	?	0	Thunderstorm Winds
	21	2120CST			0	0	?	0	Thunderstorm Winds
									AP&L reported power poles blown down.
Benton Co.	22	0307CST			0	0	?	0	Thunderstorm Winds
									A few trees and power lines were blown down at Siloam Springs.
Benton Co.	22	0312CST			0	0	?	0	Thunderstorm Winds
									Trees were blown down at Sulphur Springs.
Benton Co. Bentonville	22	0319CST			0	0	?	0	Thunderstorm Winds (57)
Washington Co.	22	0320CST			0	0	?	0	Thunderstorm Winds
									Trees and power lines were blown down at Lincoln.
Washington Co.	22	0320CST			0	0	?	0	Thunderstorm Winds
									Buildings were damaged by a severe thunderstorm moving through Farmington.
Washington Co. Fayetteville West Fork Goshen	22	0320CST			0	3	6	?	Thunderstorm Winds
	22	0320CST			0	0	?	?	Thunderstorm Winds
	22	0330CST			0	0	?	?	Thunderstorm Winds
									A severe thunderstorm swept through Washington County. In Fayetteville, most of the damage occurred along a path four blocks wide on Arkansas Highway 16 eastward through town and up Mount Sequoyah. The worst damage was on Mount Sequoyah, but there was also substantial damage along Wedington, near the University of Arkansas campus, Wilson Park, and in the Washington-Willow Historic District. More than 1,000 trees were destroyed or blown down, with some of the trees smashing into houses and parked cars. Numerous power lines were blown down, as was 1/4 to 1/2 mile of the main trunk for cable TV. Four buildings on the University of Arkansas campus suffered roof damage. Plate glass windows were blown out of several stores. Classes in the Fayetteville School District were cancelled for the day, due to a lack of electricity, as well as the threat of live wires down in some streets.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— ARKANSAS									
									<p>The main Post Office also had roof damage, as did a church. Poultry houses and barns were damaged south and west of Fayetteville. Three greenhouses were leveled west of town. There were two minor injuries from flying glass and another injury occurred when a tree fell into the bedroom of a house. At West Fork, a barn was blown onto the railroad tracks, trees were blown down, two barns were destroyed, and the roof was blown off a turkey house. At Goshen, a building was blown onto the highway.</p>
Madison Co.	22	0350CST			0	0	?	0	Thunderstorm Winds
Huntsville	22	0400CST			0	0	?	0	Thunderstorm Winds
Kingston									
									<p>A severe thunderstorm blew down trees, tore off shingles, and broke nine power poles. Just south of Huntsville, the back of a new barn was torn off and an old barn was blown down.</p>
Carroll Co.	22	0350CST			0	0	?	0	Thunderstorm Winds
Berryville	22	0410CST			0	0	?	0	Thunderstorm Winds
Green Forest									
									High winds knocked down power lines.
Franklin Co.	22	0415CST			0	0	?	0	Thunderstorm Winds
									The Sheriff's Office reported that a number of trees were blown down in the county.
Franklin Co.	22	0425CST			0	0	?	0	Thunderstorm Winds
									A carport was damaged by thunderstorm winds ten miles north of Ozark.
Boone Co.	22	0425CST			0	0	?	0	Thunderstorm Winds
Omaha	22	0430CST			0	0	?	0	Thunderstorm Winds
Harrison	22	0430CST			0	0	?	0	Thunderstorm Winds
Lead Hill	22	0430CST			0	0	?	0	Thunderstorm Winds
Diamond City	22	0430CST			0	0	?	0	Thunderstorm Winds
Valley Springs	22	0430CST			0	0	?	0	Thunderstorm Winds
									AP&L reported trees and power lines blown down at several locations in Boone County. In addition, a barn was blown down at Valley Springs.
Johnson Co.	22	0427CST			0	0	?	0	Thunderstorm Winds
10 N Clarksville	22	0427CST			0	0	?	0	Thunderstorm Winds
Ozone									Trees were blown down.
Newton Co.	22	0430CST			0	0	?	0	Thunderstorm Winds
									A severe thunderstorm struck the area just south of Western Grove. A barn was destroyed, the roof was taken off a house, and power lines and three power poles were blown down.
Baxter Co.	22	0430CST			0	0	5	0	Lightning
									Lightning heavily damaged a home north of Mountain Home (four miles north of Pigeon Creek).
Johnson Co.	22	0458CST			0	0	?	0	Thunderstorm Winds
									A chicken house was blown down at Hatcherville.
Pope Co.	22	0500CST			0	0	5	0	Thunderstorm Winds
									Several homes were damaged or destroyed at Hector. Trees were blown down, crushing one pickup truck. An equipment shed and workshop were blown away and a hog farm was damaged.
Conway Co.	22	0500CST			0	0	?	0	Thunderstorm Winds
									AP&L reported trees and power lines down at Morrilton.
Faulkner Co.	22	0530CST			0	0	5	0	Thunderstorm Winds
Conway	22	0530CST			0	0	4	0	Lightning
Guy	22	0530CST			0	0	4	0	Thunderstorm Winds
									A severe thunderstorm swept through the Conway area, blowing down numerous trees and power lines. A 75-foot section of roof was blown off a dormitory at the University of Central Arkansas. The dorm was unoccupied as the spring semester had already ended. A large part of the roof was blown off a factory. Lightning set a barn on fire and disabled a radio station's transmitter. At Guy, trees were blown down, one of which fell on a car. A roof was blown off a porch.
White Co.	22	0610CST			0	0	?	0	Thunderstorm Winds
									Small trees were blown down one mile west of Searcy.
— ARKANSAS									
Garland Co.	22	0657CST			0	0	?	0	Thunderstorm Winds
Pearcy	22	0705CST			0	0	?	0	Thunderstorm Winds
Mountain Pine									
Hot Springs	22	0710CST			0	0	?	0	Thunderstorm Winds
Village									
Just S of Hot Springs	22	0715CST			0	0	?	0	Thunderstorm Winds
Just E of Hot Springs	22	0715CST			0	0	?	0	Thunderstorm Winds
									AP&L reported trees and power lines blown down at a number of locations in Garland County.
Izard Co.	25	2319CST			0	0	0	0	Funnel Cloud
									The public reported a funnel cloud northwest of Calico Rock.
Crawford Co.	26	0535CST			0	0	?	?	Hail (0.75)
Van Buren	26	0538CST			0	0	?	?	Hail (0.75)
i N Van Buren									
Sebastian Co.	26	0538CST			0	0	?	0	Thunderstorm Winds (50)
									Winds to 58 MPH were recorded by the National Weather Service at the Fort Smith airport. Some trees were blown down in the city of Fort Smith.
Crawford Co.	26	0546CST			0	0	?	?	Hail (0.75)
Alma									
Franklin Co.	26	0620CST			0	0	?	0	Thunderstorm Winds
	26	0620CST			0	0	?	0	Lightning
									A severe thunderstorm struck the area five to six miles east of Mulberry. Damage was along a path 1/4 mile wide and a mile long. Numerous trees were uprooted or broken off. Power lines were blown down. U. S. Highway 64 was blocked for a couple of hours because of the fallen trees and power lines. Two barns were destroyed. A chicken house was destroyed, killing 12,000 young fryers and two other chicken houses were damaged. A carport collapsed on a pickup truck. Two houses were damaged. In addition, lightning from the same storm burned one house to the ground.
Johnson Co.	26	0703CST			0	0	?	?	Hail (0.88)
Clarksville	26	0703CST			0	0	?	0	Thunderstorm Winds
Clarksville									
									A severe thunderstorm damaged outbuildings at a salvage yard in Clarksville.
Izard Co.	26	0740CST			0	0	0	0	Funnel Cloud
									The public reported a funnel cloud at Calico Rock.
Independence Co.	26	1153CST			0	0	?	?	Hail (1.75)
5 W Batesville									
Perry Co.	26	2020CST			0	0	?	0	Thunderstorm Winds
Nimrod	26	2020CST			0	0	?	0	Thunderstorm Winds
Rose Creek									
									First Electric Cooperative reported trees and power lines were blown down.
Southeast Arkansas	All month				0	0	0	?	Excessive Rainfall
									Rains of unusual frequency and amount damaged crops. Tomatoes, which had to be replanted after a late-season freeze in April, were put even further behind schedule because of the wet weather. Greens, squash, sweet potatoes, peppers, and spinach also suffered damage. Some replanting was expected to be necessary.
4 CALIFORNIA, Northern — NONE REPORTED									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
4 CALIFORNIA, Southern											
CAZ015 Santa Barbara and Goleta	8	1900 PST			0	0	?	0			High Wind
Strong sundowner winds occurred in the Santa Barbara Front Country of southern Santa Barbara County. Winds gusted as high as 48 mph at the Santa Barbara airport...located at Goleta. Numerous trees were downed and there were some power outages in and around the city of Santa Barbara.											
San Diego Co. Mission Beach	10	1645 PST	?	?	0	0	0	0			Waterspout
An airplane pilot reported a waterspout near Mission Beach.											
CAZ019 Antelope Valley	11	1800 PST			0	0	3	0			High Wind
Wind gusts to 60 mph were reported at the Mojave airport in southeast Kern County. An airplane (C172) turned over while taxiing. No injuries were reported.											
CAZ013 Pine Valley	13	1200 PST			0	31	4	0			Dense Fog
Fifty vehicles collided in thick fog in a series of chain-reaction accidents on Interstate 8 in eastern San Diego County between Pine Valley and The Willows. Thirty-one persons were injured, while 4 adults and one child suffered serious injuries.											
San Bernardino Co. Green Valley	15	1400 PST			0	0	0	0			Hail (1.0)
5 COLORADO											
Lincoln County COZ014	3	afternoon			0	0	4	0			Tstm. winds
Winds whipped a range fire out of control between Hugo and Genoa. 14,000 acres burned. A well house and several miles of fence line were incinerated.											
Mesa County, Grand Junction	9	1809MST			0	0	3	0			Tstm. wind (54)
A thunderstorm produced a microburst gust of 62 mph at the Grand Junction airport. Strong winds were common in the area and blew down wires, causing power outages.											
Saguache and Rio Grande Counties, Center	10	1100 MST			0	1	5	0			Hail (1.75)
Golfball size hail fell in the San Luis Valley at Center, on the Saguache-Rio Grande county line. Many homes and cars were damaged; over 190 insurance claims totaling well in excess of \$100,000 were filed. One man was slightly injured by the rampaging stones.											
Moffat County, Craig	10	1228MST			0	0	0	0			Tstm. wind (54)
Mesa County, Grand Junction	10	1249MST			0	0	0	0			Tstm. wind (50)
Montrose County, Montrose	10	1301MST			0	0	0	0			Tstm. wind (68)
Gunnison County, Gunnison	10	1345MST			0	0	0	0			Tstm. wind (55)
Arapahoe County, Littleton	10	1345MST			0	0	0	0			Hail (1.0)
Denver County, Denver	10	1400MST			0	0	0	0			Hail (1.75)
Golfball size hail fell in extreme southeast Denver, at the junction of Interstates 25 and 225.											
Arapahoe County, Aurora	10	1510MST			0	0	0	0			Hail (0.75)
3/4 inch hail fell in southeast Aurora.											
Otero County, Fowler	10	afternoon			0	0	0	0			Hail (1.75)
Gunnison County, Gunnison	11	1535MST			0	0	4	0			Tstm. wind
A microburst blew a mobile home over in Gunnison. The home rolled completely over once, and was totaled.											
Weld County, 16 N Stoneham	12	1315MST			0	0	0	0			Hail (1.75)
Washington County, 25 SE Akron	12	1320MST	1.0	25	0	0	0	0			Tornado (F1)
A tornado was spotted by several observers about 25 miles southeast of Akron, in east-central Washington County. It was on the ground until about 1334 MST.											
Washington County, 25 NE Akron	12	1331MST	0.5	25	0	0	0	0			Tornado (F1)
A pilot spotted a tornado in northeastern Washington County about 25 miles northeast of Akron.											
Logan County, Padroni	12	afternoon			0	0	0	0			Tstm. wind (51)
COLORADO											
Kiowa County, Sheridan Lake	13	2025MST			0	0	0	0			Hail (0.75)
Prowers County, Granada	13	evening			0	0	0	4			Heavy rain
Downpours of up to 5 inches of rain washed out at least 400 acres of wheat near Granada.											
Northern, Central Mtns, Front Range COZ002-004-011	13-14				0	0	0	0			Rain, Snow
A late-season storm brought heavy rain and snow to the area. For the most part, the moisture was beneficial, but the soggy conditions did cause a 30 ton boulder to slide onto Interstate 70 east of the Eisenhower Tunnel in Clear Creek County, closing the westbound freeway for two hours. Nearby, Echo Lake received 20 inches of snow. The Front Range was soaked with 1 to 2 inches of rain.											
Jefferson County, Evergreen	14	1236MST			0	0	4	0			Lightning
Lightning struck a home in Evergreen, setting it afire.											
Otero County: La Junta	14	1420MST			0	0	0	0			Hail (1.0)
Fort Bent	14	1445MST			0	0	0	0			Hail (0.75)
Bent County, Las Animas	14	1555MST			0	0	0	5			Hail (1.50)
Hail up to ping pong ball size stripped trees and caused damage to wheat, hay, corn, oats, and alfalfa. Even more harm was wrought by rains of up to 4 inches in an hour, which caused water damage to many homes and washed out crops. The combination of heavy rain and hail that piled up 6 inches deep closed some roads in the county.											
Pueblo County, Colorado City	14	afternoon			0	0	4	0			Hail
Hard marble size hail accumulated up to a foot deep, peeling paint from buildings and destroying patio furniture in Colorado City.											
Weld County, Roggen	15	1335MST			0	0	0	0			Hail (0.75)
A pilot reported 3/4 inch hail near Roggen, in southeast Weld County.											
Jefferson County, Lakewood	15	1510MST			0	1	0	0			Lightning
A 47 year old man-a Lakewood police officer-was struck and injured by lightning.											
Jefferson County, Lakewood	15	1520MST			0	0	0	0			Rain, Hail
Small hail piled up 3 to 4 inches deep near Golden. There was some street flooding in the western Denver metro area.											
Pueblo County, Colorado City	15	afternoon			0	0	0	0			Hail (1.0)
Larimer County, 25 NW Fort Collins	16	1500MST			0	0	0	0			Hail (0.75)
Bent County, 2 W Las Animas	16	evening			0	0	0	0			Hail (1.75)
Morgan County, Fort Morgan	19	0700MST			0	0	0	0			Wind (60)
Weld County, Nunn	19	0700MST			0	0	0	0			Wind (50)
Phillips County, Haxtun	20	2345MST			0	0	0	0			Hail (0.75)
Cheyenne County, 10 N Kit Carson	21	1638MST	0.3	20	0	0	0	0			Tornado (F1)
A tornado touched down briefly 10 miles north of Kit Carson.											
Cheyenne County: 10 N Kit Carson	21	1638MST			0	0	0	0			Hail (1.75)
8 SW Kit Carson	21	1655MST			0	0	3	0			Hail (1.75)
7 S Kit Carson	21	1700MST			0	0	0	0			Tstm. winds
The tornado listed above was accompanied by golfball size hail, which broke windows in houses. Golfball size hail broke windows 8 miles southwest of Kit Carson, and thunderstorm downbursts moved a tank an eighth of a mile. The hail reached baseball size 7 miles south of the town, breaking car windshields.											
Kiowa County, Eads	21	1700MST			0	0	5	0			Hail (2.75)
Baseball size hail fell in the Eads area from 1700 to 1710 MST, causing extensive damage to cars, roofs, and windows.											
Kiowa County, 5 SE Eads	21	1715MST	1.0	30	0	0	4	0			Tornado (F1)
A tornado touched down 5 miles southeast of Eads. It knocked down power lines, causing outages in Eads and Sheridan Lake. A horse was killed.											
Prowers County, Kornman	21	1730MST			0	0	0	0			Hail (2.75)
Baseball size hail fell near Kornman.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
COLORADO											
Prowers County, Lamar	21	1730MST			0	0	4	0	Tstm. wind		
Thunderstorm winds just northeast of Lamar blew a mobile home off its foundation, severely damaging it.											
Prowers County, Holly	21	1809MST			0	0	0	0	Hail (1.0)		
1 inch hail fell in Holly. Winds from the thunderstorm blew down a tree and a power pole in the town.											
Prowers County, Holly	21	1830MST	1	30	0	0	5	0	Tornado (F1)		
A tornado near Holly overturned and destroyed a trailer. The twister also flipped two trucks, uprooted nine trees, and knocked down about 50 power poles. A barn was unroofed and some stock tanks were destroyed; a couple of homes sustained minor damage.											
Weld County, La Salle	24	afternoon			0	0	0	0	Tstm. wind (54)		
El Paso County, Colorado Springs	24	1445MST			0	0	3	0	High winds		
Winds toppled half of a mobile home on its side on Interstate 25 near Colorado Springs.											
Front Range CO2011	25-26				0	0	0	0	Snow		
A late-season storm dropped snow as low as the 6000 foot level along the Front Range. Most spots in the foot-hills had 2 to 5 inches.											
Larimer County, 25 NW Fort Collins	28	1430MST			0	0	0	0	Tstm. wind (78)		
Denver County, Southeast Denver	30	1345MST			0	0	0	0	Hail (1.75)		
Golfball size hail fell at the junction of Interstates 25 and 225 in extreme southeast Denver.											
Arapahoe County, Littleton	30	1345MST			0	0	0	0	Hail (1.0)		
Elbert County: Elbert	30	1815MST			0	0	0	0	Hail (1.0)		
Elizabeth		1830MST			0	0	0	0	Hail (1.0)		
Elbert		1900MST			0	0	0	0	Hail (1.75)		
Kiowa		1915MST			0	0	0	0	Hail (0.75)		
5 N Agate		2000MST			0	0	0	0	Hail (1.0)		
Larimer County, Wellington	31	0745MST	0.1	15	0	0	0	0	Tornado (F0)		
A cold air funnel touched down briefly between Waverly and Wellington.											
Southeastern Colorado CO2017	Oct 1988-May 1989				0	0	0	7	Drought		
A prolonged drought in extreme southeastern Colorado caused more than 15 million dollars in damage to crops in Cheyenne, Kiowa, Prowers, and Baca counties. Wheat was hardest hit. Up to 90 percent of the wheat was affected in dryland areas, up to 50 percent in irrigated districts. Rains during May relieved the dryness, but came too late to salvage most of the wheat crop.											
6 CONNECTICUT											
CTZALL	06	0400-1000EST			0	0	4	0	High Winds		
High winds from the south and southeast, accompanied by heavy rain, brought down a few trees and many tree limbs. Resulting power outages affected up to 28,000 customers statewide. Winds gusts of 40 to 55 mph were reported.											
CT2005 Fairfield County	16-	0900EST-0000EST			0	0	5	?	Flood		
Very heavy rainfall amounting to three to six inches during a twenty-four hour period resulted in serious flooding of small streams, low-lying areas, basements and roadways. Hardest hit were the Norwalk and Stamford areas. A number of occupants of apartment buildings and condos were evacuated in rowboats in Wilton and Greenwich. A rain gauge in Norwalk registered 5.9 inches of rain during the twenty-four hours ending at 0845EDT on May 17th.											
CONNECTICUT											
CT2001-002 Northern Connecticut	23-25	2000EST-0000EST			0	0	5	?	Flood		
Over four inches of rain fell during a twelve hour period and a new, May twenty-four hour amount of 4.81 inches was recorded by the National Weather Service at Bradley International Airport in Windsor Locks. Many low-lying areas, basements, small streams and roads were flooded by the torrential downpours. Some homes had to be evacuated in Enfield and a local shopping mall was forced to close because of flooding. Also, the heavy rainfall brought the May monthly precipitation totals up to 12 inches and more, establishing new records. Major river flooding did not occur since there was a week or more between heavy rain events.											
Litchfield County, Falls Village	24	0415-0800EST			0	0	5	0	Flash Flood		
A 300 foot section of canal wall burst at an electric utility generating plant during heavy rains, causing water, mud and trees to spill down a hill and into the Housatonic River. A malfunctioning gate was believed to be at least partly responsible for erosion of the canal wall, which led to the large rupture. Damage estimates were not immediately available, but were expected to be at least fifty thousand dollars.											
7 DELAWARE											
New Castle Co. Wilmington	2	0600EST-0800EST			0	0	0	0	Minor Urban and Small Stream Flooding		
Some streets were flooded; the Christiana River crested one-half foot below flood stage.											
New Castle Co. Wilmington	6	0400EST-0740EST			0	0	0	0	Minor Flooding		
The Christiana River crested at 9.5 feet; flood stage in 9 feet.											
Kent Co. Maryland	23	1830EST			0	0	0	0	Urban Flooding		
Heavy thunderstorm rains caused street flooding.											
DE2003 Delaware Bay	27	1000EST			2	?	?	0	Thunderstorm Winds		
Thunderstorms moved across the Delaware Bay late in the morning. Several boats engaged in fishing tournaments were capsized or swamped. Two men drowned. Winds were estimated at 50 to 60 knots, and waves 8 to 10 feet. M360 M420											
8 FLORIDA											
Okaloosa Co., Ft. Walton Beach	01	0545EST			0	0	4	0	Lightning		
Lightning struck a house and caused \$15,000 in damage in the ensuing fire.											
Pasco Co., New Port Richey	01	0550EST			0	0	0	0	Tstm. wind(50)		
Thunderstorm winds gusting near 60 mph and small hail were reported.											
Okaloosa Co., ONE Mary Esther	01	0558-0612EST	6	100	0	0	7	0	Waterspout-Tornado(F2)		
A waterspout moved northeastward onto shore between Ft. Walton Beach and Destin. The tornado then moved across Choctawatchee Bay and the southeast side of Eglin AFB. The tornado traveled about 6 miles before lifting on the west side of Valparaiso. Most of the damage occurred on the air base where 49 structures were damaged including dormitories, hangars and office buildings. Three helicopters and at least 108 vehicles suffered extensive damage which totaled \$5-10 million.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
FLORIDA									
Pinellas Co., Largo	01	0600EST			0	0	4	0	Tstm.wind(50)
									Winds destroyed several carports and damaged 2 mobile homes.
Santa Rosa Co., 7W Mary Esther	01	0615EST short	?		0	0	4	0	Tornado(F0)
									Large trees were uprooted and minor structural damage to homes occurred.
Walton Co., 24ESE Crestview	01	0730EST	0.4	50	0	0	3	0	Tornado(F0)
									Three residences suffered minor damage and trees were downed as a tornado moved along the south side of Highway CR-1818.
Columbia Co., 10S Lake City	01	1301EST			0	0	0	0	Tstm. wind (50)
									Trees were uprooted and small hail was reported.
Putnam Co., Palatka	01	1330EST			0	0	3	0	Tstm.wind(50)
									Thunderstorm winds damaged a barn roof and downed trees and power lines.
St. Johns Co., Jacksonville	01	1430EST			0	0	3	0	Tstm. wind (50)
									Windows were broken in downtown Jacksonville.
Volusia Co., 3NE Deland	01	1443EST			0	0	0	0	Hail(1.00)
Daytona Beach	01	1450EST			0	0	0	0	Tstm.wind(60)
									One-inch diameter hail was reported and wind gusts to 69 mph were measured.
Brevard Co., Titusville	01	1500EST short	?		0	0	6	0	Tornado(F0)
									A tornado touched down briefly at Space Center Executive Airport damaging 10 planes and 3 office buildings and causing an estimated \$800,000 in damage. In addition, roofs of nearby houses and a riding stable were damaged.
Pasco Co.; Hudson, New Port Richey	01	1600EST			0	2	3	0	Tstm.wind(50)
									Two construction workers were hospitalized when winds blew down roof trusses. A large sign was also destroyed.
Dade Co., 10E Miami	03	0830EST							Waterspouts
									Several waterspouts were sighted offshore Key Biscayne.
Monroe Co., Key West	03	1500EST short	?		0	0	0	0	Waterspout-Tornado(F0)
									A waterspout moved onshore into an open field, doing no damage.
Monroe County: 10N Key West	03	1709EST			0	0	0	0	Waterspout
10SE Key West	03	1825EST			0	0	0	0	Waterspout
3E Key West	03	1840EST			0	0	0	0	Waterspout
									Several waterspouts were observed by NWS personnel.
Brevard County, Patrick AFB	03	1850EST short	?		0	0	0	0	Tornado (F0)
									A brief tornado crossed the airstrip.
Alachua County, Gainesville	06	1045EST			0	0	0	0	Hail (0.75)
									Hail of large marble size was reported.
Monroe County, 15NE Key West	06	1140EST			0	0	0	0	Waterspout
									The Florida Marine Patrol reported a waterspout.
Putnam County, Palatka	06	1155EST			0	0	0	0	Hail (1.00)
Alachua County, Hawthorne	06	1155EST			0	0	0	0	TSTM Wind (50)
									One-inch diameter hail and wind gusts to 58 mph were reported.
Duval County, Jacksonville	10	1430EST			0	0	5	0	Lightning
									A lightning-initiated fire caused \$60,000 damage to an apartment.
FLORIDA									
Citrus County, Homosassa Springs	11	1930EST			0	0	4	0	TSTM Wind (65)
									Thunderstorm winds destroyed a mobile home and downed trees.
Brevard County, Palm Bay	14	1630EST			0	0	0	0	Hail (1.75)
									Dime to golfball size hail fell for more than an hour.
Orange County, Orlando	14	1913EST			0	0	4	0	TSTM Wind (55)
									Thunderstorm winds tore a 30 foot roof section from a warehouse.
Broward County, 15N Ft. Lauderdale	15	1250EST			0	0	0	0	Hail (1.75)
	15	1250EST			0	0	0	0	Funnel Cloud
									A sheriff reported hail and a funnel cloud.
Broward County, 65W Ft. Lauderdale	15	1330EST			0	0	3	0	TSTM Wind (50)
									The public reported that trees were uprooted and awnings were blown from houses.
Dade County, 15SE Miami	15	1400EST			0	0	4	0	TSTM Wind (55)
									Thunderstorm winds in the Saga Bay housing development flipped the roof off of a house, damaged screened patio enclosures and uprooted trees.
Broward County, 14N Ft. Lauderdale	15	1410EST short	?		0	0	3	0	Tornado (F0)
									A brief tornado touched down, spun cars around, twisted signs, and knocked down trees and power lines.
Monroe County, 20NE Key West	16	1325EST			0	0	0	0	Waterspouts
									Several waterspouts were reported by the public and sheriff on the Florida Bay side of Cudjoe and Sugarloaf keys.
Monroe County, 3NE Key West	18	1101EST			0	0	0	0	Waterspouts
									Several waterspouts were observed by NWS personnel.
Lee County, Fort Myers	18	1700EST			0	0	4	0	TSTM Wind (55)
									A house under construction and several outbuildings were completely destroyed, resulting in \$9000 damage.
Bay County, Panama City	21	0800EST			0	0	4	0	Lightning
									A lightning-initiated fire did \$15,000 damage to a house.
Hamilton County, Jasper	21	1230EST			0	0	0	0	Hail (1.00)
									One-inch diameter hail was reported.
Alachua County, Waldo	21	1400EST			0	0	0	0	TSTM Wind (50)
									Trees were downed.
Putnam County, Bostwick and Welaka	21	1536EST			0	0	3	0	TSTM Wind (50)
									Trees were downed and minor damage was done to mobile homes.
Okaloosa County, Crestview	23	1450EST			0	0	0	0	Hail (1.25)
	23	1450EST			0	0	0	0	Funnel Clouds
									Hail the size of nickels and quarters was reported as were several funnel clouds.
Walton County, Defuniak Springs	23	1600EST			0	0	0	0	Hail (0.75)
									Dime size hail was reported.
Santa Rosa County, 30N Pensacola	23	1615EST			0	0	5	0	TSTM Wind (65)
									Thunderstorm winds damaged roofs and downed trees, causing an estimated \$52,000 in damage near Chumuckla, Berrydale and Jay.
Escambia County, 35NNW Pensacola	23	1645EST			0	0	0	0	Hail (0.75)
	23	1645EST			0	0	?	?	TSTM Wind
									Dime size hail was reported and trees were downed near Bratt.
Santa Rosa County, Chumuckla Berrydale	23	1710EST			0	0	0	0	TSTM Wind (50)
	23	1740EST			0	0	0	0	TSTM Wind (50)
									Trees were downed at both locations.
Escambia County, Century	23	1745EST			0	0	0	0	TSTM Wind (50)
									Trees were downed.
Indian River County, Vero Beach	23	1900EST			0	0	4	0	Lightning
									A lightning-started fire completely destroyed a small home.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
FLORIDA									
Dade County, 10E Miami	24	0830EST			0	0	0	0	Waterspout
		A waterspout was observed by NWS personnel offshore of Key Biscayne.							
Dade County: 5E Homestead	24	1325EST			0	0	0	0	Hail (1.00)
Coral Gables	24	1343EST			0	0	0	0	Hail (0.75)
Key Biscayne	24	1355EST			0	0	2	0	Hail (1.50)
3NE Opa Locka	24	1442EST			0	0	0	0	Hail (0.75)
Broward County, 26NNW Miami	24	1650EST	short	?	0	0	0	0	Tornado (F0)
		A storm leaving a nearly continuous path of hail that ranged from pea to ping pong ball size moved northward along a sea breeze front from south Dade County to south Broward County. The only known damage was that of a cracked car windshield on Key Biscayne. The storm also spawned a brief tornado.							
Monroe County, 25SW Islamorada	25	0715EST			0	0	0	0	Waterspouts
		The Sheriffs Office reported waterspouts in Florida Bay near Plantation Key and 4 miles north of Conch Key.							
Monroe County: 20W Key West	26	0710EST			0	0	0	0	Waterspouts
20NE Key West	26	0930EST			0	0	0	0	Waterspout
		The Coast Guard reported waterspouts near the Marquesas Keys and Air Force personnel reported a waterspout near Cudjoe Key.							
Monroe County: Marathon	27	1020EST			0	0	0	0	Waterspout
20NE Key West	27	1530EST			0	0	0	0	Waterspout
		Large waterspouts were sighted just south of Marathon and near Cudjoe Key.							
Sarasota County, Sarasota	28	1430EST			0	0	0	0	Hail (1.00)
		A newspaper reporter reported one-inch diameter hail.							
Osceola County, Kissimmee	28	1500EST			0	0	0	0	Hail (1.75)
		Golfball size hail was reported.							
Marion County, 15E Ocala	28	1500EST			1	1	0	0	Lightning
		A girl was killed and her mother injured when lightning struck the girl in the neck. The two were at the edge of a lake in a wooded area. F120.							
Manatee County, Bradenton	28	1545EST			0	0	0	0	Hail (0.88)
		Nickel size hail was reported by a newspaper reporter.							
Lake County, 40NW Orlando	28	1809EST			0	1	2	0	Lightning
		A 9 year old, Leesburg boy was injured when lightning struck him between his shoulder blades while he was sitting at his dining room table. The bolt tore a 4 foot hole in the ceiling.							
Citrus County, Inverness	28	1830EST			0	0	0	0	TSTM Wind (55)
		Numerous trees were blown down.							
Sarasota County, Venice	29	1725EST	short	?	0	0	4	0	Tornado (F0)
	29	1725EST			0	0	0	0	Funnel Clouds
		A parking garage suffered major damage when a weak tornado touched down briefly. Several homes were damaged also, and trees were uprooted as well. Several funnel clouds were also sighted.							
Pasco County, New Port Richey	30	1555EST	0.5	100	0	0	4	0	Tornado (F0)
		Minor roof damage was done to 5 homes by a tornado that was videotaped by a television station.							
Sarasota County, 5SW Sarasota	31	1745EST			0	0	0	0	Waterspouts
		Several waterspouts were sighted near Siesta and Longboat keys.							
9 GEORGIA									
TROUP COUNTY, Hogansville	01	1030EST			0	0	?	?	Lightning
		Lightning struck one pecan tree, traveled to another, and then to a home. The lightning caused a house fire; the damage costs were unknown.							
DOUGHERTY COUNTY, Acree	01	1205EST-1210EST	1.0	150	0	1	5	?	Tornado (F1)
		The tornado developed near Acree and touched down about 1205EST. The first damage occurred to a mobile home that was totally demolished. A man inside the trailer received minor injuries but was not hospitalized. The tornado destroyed one barn and damaged another. The tornado bounced from the mobile home toward the north into the Sandy Hill subdivision of Worth County. Along the way, another mobile home was destroyed, at least three received minor damage, one frame home was severely damaged, and two other houses received minor damage. Several storage and utility buildings were damaged; many trees and power lines were downed. Damage costs were estimated near \$250,000.							
NORTH COUNTY, 2NE Acree	01	1210EST			0	0	4	?	TSTM Wind, Lightning
Countywide	01	1210EST			0	0	?	?	TSTM Wind
		Lightning started a house fire; damage costs were unknown. Many trees were downed. The damage pattern over western Worth County suggested that straight-line winds were responsible.							
LEE COUNTY, Countywide	01	1205EST			0	0	?	?	TSTM Wind
10N Leesburg	01	1207EST			0	0	0	0	Funnel Cloud
10NE Leesburg	01	1218EST	0.8	25	0	0	3	?	Tornado (F1)
		A small tornado developed near Leesburg and moved north across farmland. The tornado knocked a trailer off of its foundation and a car was spun around near the Crisp County line. Trees were downed. Roof damage occurred there to a chicken house, and a produce stand was destroyed. The parent thunderstorm moved northeast from Lee County as the tornado ended about 1230EST.							
DOOLY COUNTY, 10NE Vienna	01	1300EST			0	0	?	?	TSTM Wind
		Trees were downed in the area as the thunderstorm that produced damage in Lee County earlier continued northeast toward Pulaski County.							
PULASKI COUNTY, Countywide	01	1305EST			0	0	?	?	TSTM Wind
6SW Hawkinsville	01	1314EST	5.0	50	0	1	5	?	Tornado (F1)
		The thunderstorm complex that caused wind damage and a tornado in Lee County produced a tornado about 6 miles southwest of Hawkinsville. The small tornado skipped across Pulaski County, twice touching down briefly, then returned to the parent thunderstorm. The tornado damage was confined to two small areas, about one mile in length together. After moving from just southwest of Hawkinsville, the tornado touched down again about 4 miles northwest of Hawkinsville between U. S. Highways 341 and 129. Mobile and permanent homes, along with utility buildings, had extensive structural damage. Scattered trees and power lines were downed. Damage occurred to other properties. The parent thunderstorm moved northeast to Bleckley County.							
DOOLY COUNTY, 5E Vienna	01	1325EST			0	0	?	?	TSTM Wind
		Damaging winds tore down tree limbs and power lines.							
BLECKLEY and TWIGGS COUNTIES, 9N Cochran	01	1325EST	1.0	75	0	0	4	?	Tornado (F1)
		The parent thunderstorm of the tornado that touched down in Pulaski County moved northeast across western Bleckley County. A tornado touched down north of Cochran and traveled into extreme south Twiggs County. A clear path was found with extensive tree damage. In addition, the storm caused roof damage to one home and structural damage to a mobile home, along with a few other structures.							
BLECKLEY COUNTY, Countywide	01	1330EST			0	0	?	?	TSTM Wind
		Numerous trees were uprooted by straight-line winds.							
FULTON COUNTY, Atlanta	01	1340EST			0	0	?	?	Flash Flood
		Minor flooding of low roads and underpasses occurred due to widespread rain and thunderstorms.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— GEORGIA									
CLARKE COUNTY Winterville	05	1600EST			0	0	?	?	TSTM Wind, Small Hail
Countywide	05	1615EST			0	0	?	?	TSTM Wind
									Many large trees were broken or uprooted across the county. A large tree limb caused extensive damage to an automobile that it fell upon at Winterville.
RABUN COUNTY Black Rock Mountain State Park	05	1620EST			0	0	?	0	TSTM Wind (64)
FRANKLIN COUNTY Countywide	05	1620EST			0	0	?	?	TSTM Wind
HART COUNTY Countywide	05	1630EST			0	0	?	?	TSTM Wind
									Numerous trees were uprooted, mainly over the northern portions of Hart and Franklin counties. Farm buildings were damaged across the area also. Falling trees tore down power lines.
OCONEE COUNTY Countywide	05	1630EST			0	0	?	?	TSTM Wind
6S Watkinsville	05	1555EST			0	0	?	?	Small Hail
									Tree damage occurred over the county. The thunderstorm produced marble size hail near 6 miles south of Watkinsville at 1555EST.
PITMAN COUNTY Eatonton	05	1630EST			0	0	?	?	TSTM Wind
10SE Eatonton	05	1630EST			0	0	?	?	TSTM Wind
									Numerous trees were uprooted or broken and resulted in considerable damage around Eatonton and south of the city. Power lines across the eastern and northern portions of the county were torn down by falling trees.
ELBERT COUNTY SW Savannah River Countywide	05	1630EST			0	0	?	?	TSTM Wind
	05	1630EST			0	0	?	?	TSTM Wind
									Scattered trees were uprooted or broken across the area, mainly over the eastern portion of the county. A large hardwood tree fell upon a home's front porch just west of the Savannah River.
JONES COUNTY Countywide	05	1632EST			0	0	?	?	TSTM Wind
Countywide	05	1632EST			0	0	0	0	Hail (1.00)
									Hail developed at several locations. Numerous large trees were uprooted across the county.
BALDWIN COUNTY Milledgeville	05	1702EST			0	0	?	?	TSTM Winds
	05	1702EST			0	0	0	0	Hail (.75)
									Numerous trees were uprooted.
COLUMBIA COUNTY Appling and Leah	05	1705EST			0	0	?	?	TSTM Wind, Small Hail
Spring Lake	05	1720EST			0	1	?	?	TSTM Wind
Martinez and Evans	05	1730EST			0	0	?	?	TSTM Wind, Small Hail
									Straight-line thunderstorm winds caused considerable damage over Columbia County. Falling trees and winds damaged several homes and power lines. Trees also damaged a substation around Spring Lake. A man sustained a minor injury at Spring Lake when a tree fell upon him. Although hail occurred, amounts were limited. The thunderstorms continued in the area until 1830EST when they moved into South Carolina.
RICHMOND COUNTY Countywide	05	1720EST			0	0	?	?	TSTM Wind, Small Hail
									Thunderstorm winds caused considerable damage over the county. The majority of trees and power lines were downed over the eastern portion of the county. Several homes had minor damage.
RICHMOND COUNTY Augusta	05	1813EST			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted at Bush Field. The funnel moved to the northeast into Aiken County, South Carolina.
RICHMOND COUNTY Augusta	05	1820EST			0	0	?	?	TSTM Wind
									By 1830EST, the thunderstorms and the resulting wind damage had moved into South Carolina.
BURKE COUNTY Shell Bluff	05	1845EST			0	0	0	0	Funnel Cloud
									A funnel cloud was sighted east of Shell Bluff moving northeast. The storm moved into Aiken County, South Carolina and over a portion of Barnwell County, South Carolina.
— GEORGIA									
LAURENS COUNTY Dublin	05	1855EST			0	0	?	?	TSTM Wind, Small Hail
									Trees were uprooted across the area. As a result of the winds, damaged occurred to several homes, and power lines were downed.
EMANUEL COUNTY Swainsboro	05	1925EST			0	0	0	0	Funnel Cloud
FLOYD COUNTY Rome	09	1915EST			0	0	?	0	Lightning
									A house fire developed when the home was struck by lightning.
POLK COUNTY Countywide	09	2040EST			0	0	?	?	TSTM Wind
									Scattered trees and power lines were downed by winds.
MONROE COUNTY Forsyth	10	0230EST			0	0	?	0	Lightning
									Lightning damaged four trees and several television sets, appliances, and air-conditioning units.
BUTTS COUNTY Countywide	22	2230EST			0	0	?	?	TSTM Wind
PIKE COUNTY Countywide	22	2230EST			0	0	?	?	TSTM Wind
SPALDING COUNTY Countywide	22	2230EST			0	0	?	?	TSTM Wind
Griffin	22	2230EST			0	0	?	0	TSTM Wind
									Scattered trees were downed by thunderstorm winds across the three-county area. The winds caused damage to a pool, fence, and deck at one home. A barn was also heavily damaged during the storms.
SPALDING COUNTY Griffin	23	0230EST			0	0	?	0	TSTM Wind
PIKE COUNTY SNE Zebulon	23	0440EST			0	0	?	0	Lightning
									In the frequent lightning that occurred with the thunderstorm, a substation was damaged at the Spalding-Pike county line.
THOMAS COUNTY Countywide	23	1340EST			0	0	?	?	TSTM Wind
COLOQUITT COUNTY Countywide	23	1340EST			0	0	?	?	TSTM Wind
COFFEE COUNTY West Green	23	1415EST			0	0	?	?	TSTM Wind
BACON COUNTY Alma	23	1450EST			0	0	?	?	TSTM Wind
									Scattered trees were uprooted as a thunderstorm moved from Coffee County into Bacon County. Many power lines were downed.
WAYNE COUNTY Screven	23	1535EST			0	0	?	?	TSTM Wind, Small Hail
									Wind damage occurred when trees were uprooted or broken 10 miles south of Jesup at Screven. Power lines were also downed.
CHATAM COUNTY Savannah	23	1620EST			0	0	?	0	TSTM Wind
	23	1620EST			0	1	?	0	Lightning
Savannah and Wilmington Island	23	1635EST			0	0	?	0	TSTM Wind, Small Hail
									Thunderstorm winds uprooted and damaged many trees. Two cars were damaged by fallen 12-inch diameter trees. A man in a truck was struck by lightning and hospitalized in critical condition.
CAMDEN COUNTY Woodbine	23	1645EST			0	0	?	?	TSTM Wind
									Scattered trees were downed; one fell upon a house at Woodbine.
WILCOX COUNTY 10N Rochelle and Rochelle	27	1720EST			0	0	?	?	TSTM Wind, Small Hail
									Wind damage occurred over north Wilcox County and near Rochelle. Marble size hail fell at Rochelle.
CANDLER COUNTY Metter	27	1745EST			0	0	?	?	TSTM Wind
Pulaski	27	1750EST			0	0	?	?	TSTM Wind
BULLOCH COUNTY Register	27	1755EST			0	0	?	?	TSTM Wind
									Scattered trees, up to five feet in diameter, were uprooted across both counties. Wind severely damaged a roof at Pulaski.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— GEORGIA —									
DODGE COUNTY Eastman	27	1800EST			0	0	?	?	TSTM Wind
									Large limbs were blown down by winds onto power lines in the Eastman vicinity.
WILCOX COUNTY IS Rochelle	27	1900EST			0	0	?	?	TSTM Wind
									Numerous pecan and other trees were damaged just south of Rochelle. Many power lines were downed over the county.
WAYNE COUNTY Jesup	27	1945EST			0	0	?	?	TSTM Wind
									Numerous trees were uprooted or broken across Wayne County. Considerable damage occurred near the Jesup-Wayne County Airport.
GLYNN COUNTY Countywide Brunswick	27	2115EST			0	0	?	?	TSTM Wind
	27	2115EST			0	0	?	0	TSTM Wind
									Numerous trees were uprooted or broken as thunderstorms moved across the area. Trees caused considerable damage at Brunswick.
10 IDAHO									
Owyhee County, Grasmere	09	1515MST			0	0	0	0	Hail (0.75)
Elmore County, 305SE Mountain Home	09	1610MST			0	0	0	0	Hail (0.50)
Twin Falls County, Twin Falls	09	1610- 1630MST			0	0	3	0	TSTM Wind (45)
Lincoln County, Shoshone	09	1640MST			0	0	4	0	TSTM Wind (50)
Lincoln County, Richfield	09	1700MST			0	0	2	0	TSTM Wind (50)
									Most of the damage was at Shoshone where half the roof of a closed bowling alley was blown off, several small sheds and buildings were blown over, and large tree limbs were split. Visibility dropped to zero at Twin Falls in blowing dust.
Bear Lake County, Bern (5NW Montpelier)	09	1830MST			0	0	4	0	TSTM Wind (52)
Power County, Pocatello Airport	09	1843MST			0	0	3	0	TSTM Wind (50)
Caribou County, Soda Springs	09	1853MST			0	0	4	0	TSTM Wind (60)
									Numerous trees were downed. There was shed and roof damage and power outages, and some power lines were downed.
Bannock and Power Counties, Pocatello area	09	2141MST			0	0	4	0	TSTM Wind (50)
									Vehicles were damaged by falling trees and power outages occurred in Pocatello.
Cassia County, Burley	10	1125MST			0	0	0	4	Hail (1.00)
									Hail damaged sugar beets, barley, alfalfa, and winter wheat.
Cassia County, Burley	10	1430MST			0	0	5	0	TSTM Wind (50)
									Seven telephone poles were blown down, causing a shutdown of an ORE-IDA plant for two days. Other power outages occurred in the area.
Jefferson County, Mud Lake and Montevieu	10	1430MST			0	0	4	3	TSTM Wind (60)
									Winds estimated at 70 mph ignited cinders from a morning, old hay burn which then burned a feed wagon, grain roller, hay and straw, and a shed. Many trees were downed and one power pole fell in the Montevieu area.
Jerome and Twin Falls Counties, Jerome-Twin Falls area	10	1500- 1530MST			0	0	0	0	Funnel Cloud Hail (0.50) and TSTM Wind (50)
									A funnel cloud was sighted just west of Jerome. Thunderstorm winds blew the roof off the Jerome newspaper building. Hail damaged crops in the area. Many trees and a few telephone poles were downed. Hail piled up to a depth of 5 inches in Jerome. There was fence and shed damage in Twin Falls, where visibility fell to near zero in blowing dust.
— IDAHO —									
Bonneville County, Palisades	10	2225MST			0	0	3	0	TSTM Wind (50)
									Numerous tree limbs were downed, buildings and roofs were damaged, and one small shed was destroyed.
Power County, 15SW Pocatello Airport	15	1110MST			0	0	0	0	Funnel Cloud
Butte County, 15E Howe	16	1235MST			0	0	0	0	Funnel Cloud
Bonneville County, near Idaho Falls	24	1940MST	.75	45	0	0	3	0	Tornado (F0)
									A roof was pulled off of a mobile home and another mobile home was slightly damaged.
11 ILLINOIS									
Saline Co., Raleigh	05	1120CST			0	0	?	?	Hail (0.75)
Alexander Co: Mounds near Cache	05	1156CST			0	0	?	?	Hail (0.75)
	05	1208CST			0	0	?	?	Hail (1.00)
Fulaski Co., near Villa Ridge	05	1209CST			0	0	?	?	Hail (0.75)
Northeast Pope Co.	05	1218CST			0	0	?	?	Hail (0.75)
Southeast Massac Co.	05	1242CST			0	0	?	?	Hail (0.75)
Cook Co., Chicago	06	0600CST- 1400CST			0	0	0	0	Snow
									A late-season snow of about 1/2 to 1 inch occurred over extreme northern Illinois. The official station for Chicago located at O'Hare International Airport received 0.5 of an inch of snow making the total for the day the 4th greatest snow on record in May. (The greatest daily snowfall in May occurred on May 1, 1940 when 1.6 inches fell.) The snowfall was also close to setting a record for the latest measurable snow ever. (The record latest snow was 0.2 inch set on May 11, 1966.)
Marion Co., Centralia	19	1500CST			0	0	?	?	Heavy Rain, Flooding
									The Centralia water treatment plant recorded 4.2 inches of rainfall during the afternoon of the 19th. Local flooding occurred to homes, businesses and city streets.
Crawford Co., Palestine	19	1520CST	1.0	30	0	0	3	0	Tornado (F1)
									A small tornado uprooted trees and caused minor damage to a house and barn near Palestine.
Jasper Co., 4S Dieterich	19	1600CST	0.2	20	0	0	4	0	Tornado (F1)
									A tornado briefly touched down and destroyed two farm buildings. The roof of the farm house was damaged.
Edwards Co., Albion	19	1752CST			0	0	4	0	Tstm.winds
									Strong winds did considerable damage as a large tree fell into a nearby house.
Mercer Co., Aledo	24	0500CST			0	0	4	0	Tstm.winds (71)
									WRMJ radio station recorded wind gusts to 82 mph. The wind blew down power poles and power lines and some large trees. Part of a roof was blown off a business building east of Aledo.
Knox Co., Galesburg	24	2215CST			0	0	3	0	Tstm.winds
									High winds knocked down trees and power lines, resulting in power outages to 9000 utility customers.
Ogle Co.	24	2300CST			0	0	4	0	Tstm.winds
									Strong winds left a trail of tree and farm building damage from Oregon to Stillman Valley. Part of the roof of the Monroe Center Elementary School was ripped off by high winds.
Lee Co., Dixon	24	2300CST			0	0	3	0	Tstm.winds
									High winds uprooted trees and caused power outages in Dixon.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ILLINOIS									
NE DeKalb Co. Kane Co, SW Elgin S McHenry Co.	24	2330CST			0	0	5	0	Tstm.winds
	24	2355CST			0	0	5	0	Tstm.winds
	25	0000CST			0	0	6	0	Tstm.winds
	Strong thunderstorm downbursts and/or microbursts cut a swath of damage approximately along a 30 mile line that extended from Genoa in northeast De Kalb County, then across extreme northern Kane County and finally to just east of Lake In The Hills in southeast McHenry County. The Lake In The Hills Airport sustained 2 million dollars in damage to about 35 airplanes and the destruction of 2 hangars. Several homes and buildings in and near the Hidden Hills subdivision 3 miles west of Elgin near U.S. 20 and Randall Road in Kane County were heavily damaged. Three farm buildings and a home in Huntley in McHenry County were badly damaged. A barn was destroyed at Illinois 47 and Route 176 in McHenry County. Some additional damage occurred in the Coventry subdivision in Crystal Lake and southwest of Marengo in McHenry County.								
Woodford Co, Eureka	24	2345CST			0	0	5	0	Tstm.winds
	Strong winds caused heavy damage to farm buildings east of Eureka.								
Scott Co, Winchester	25	0000CST			0	0	3	0	Tstm.winds
	Large trees were blown over and some windows were broken by severe thunderstorm winds.								
Pike and Scott Counties	25	0010CST- 0025CST			0	0	4	0	Tstm. winds
	Scattered wind damage was reported in Pike and Scott counties.								
Du Page Co, Westmont	25	0028CST			0	0	5	0	Tstm.winds (61)
	The roofs of two apartment buildings were ripped off by strong thunderstorm winds on 58th Street just east of Cass Avenue. Tree damage and minor wind damage occurred at 52 West 60th Street. Four large trees were uprooted at the Twin Lakes Golf Course. Winds were measured at 70 mph near 63rd and Cass.								
Macoupin Co, Girard	25	0035CST			0	0	4	0	Tstm.winds
	High winds cut a path of damage from the Oak Leaf Country Club east into Girard. Damage occurred to roofs and windows of buildings and some large trees were uprooted. A mobile home at the club was destroyed.								
Sangamon Co, Springfield	25	0050CST			0	6	5	0	Tstm.winds
	High winds overturned several recreational vehicles, injuring 6 persons at the Abe Lincoln Campground. The Hampton Inn lost a large part of its roof. Some large trees were blown down on the southeast side of Springfield.								
Coles Co, Ashmore	25	0200CST	0.8	30	0	0	5	0	Tornado (F1)
	A tornado touched down on a farm near Ashmore and destroyed two barns and damaged a house. Less than a mile away, a house roof was severely damaged. The EOC director of Coles County confirmed the tornado damage.								
Christian Co, Taylorville	25	1017CST			0	0	4	?	Tstms.winds Hail (1.75)
	The Alma Plastics Plant was severely damaged by strong downburst winds. A truck was overturned and wooden pallets were blown a half of mile away. Pieces of wooden pallets were driven 6 to 8 inches into the ground.								
Monroe Co, W of Valmeyer	25	1018CST			0	0	?	?	Hail (1.75)
	Hail up to the size of golf balls fell just west of Valmeyer.								
Greene Co, Carrollton and Greenfield	25	1200CST			0	1	6	?	Hail (1.75) Tstm.winds
	Golfball size hail broke scores of windows and caused widespread damage to homes, buildings and vehicles. Yards and side streets were littered with dead birds and tree branches. Strong winds destroyed a tile silo and a garage 2 miles north of Carrollton. The roof of a house was blown off in the northwest part of town. A man was struck by wind-driven debris that smashed through his car's window. The Greene County Courthouse sustained extensive window damage. A line of utility poles was blown down outside of town along a highway. Nearby farmers reported that much of their young corn and bean crops would have to be replanted. Some wheat crops were also destroyed. Heavy rain of 3 inches in less than 1 hour caused some local flooding and mudslides across Route 267 north of town. Golfball size hail also damaged windows and home siding in the town of Greenfield.								
Macoupin Co, Carlinville	25	1232CST			0	6	6	?	Hail (2.5) Tstm.winds
	Very large hail and strong winds caused over 1 million dollars damage to property in Carlinville. Many large trees were blown down and many streets were flooded by heavy downpours of rain. Hail destroyed 55 windows at the Macoupin County Courthouse. Six persons were injured by flying glass.								
ILLINOIS									
Montgomery Co, Litchfield	25	1253CST			0	0	5	?	Hail (2.5)
	Marble to tennis ball size hail dented numerous cars, broke many windows and damaged siding on homes. Wheat and corn fields in the area had to be replanted.								
Clay Co, Hord	25	1400CST			0	0	5	?	Hail (2.75)
	Hail up to the size of baseballs damaged homes and automobiles.								
Effingham Co, Altamont	25	1350CST	.25	50	0	0	4	0	Tornado (F1)
	A tornado was reported in Altamont by the public and by ESDA officials. The tornado was associated with the same severe thunderstorm that produced the large hail in Effingham County at 1340CST.								
Bond Co, Mulberry Grove	25	1315CST			0	0	4	?	Tstm.winds, hail
	Severe thunderstorms produced hail and damaging winds. The northwest side of Mulberry Grove was the hardest hit. The Midwest Commodities Building sustained extensive wind damage.								
Fayette Co, Vandalia	25	1330CST			0	1	6	?	Hail (2.75) Tstm.winds
	Golfball to baseball size hail knocked out hundreds of windows in many homes and vehicles. Siding on homes and metal on many cars were dented by the very large hail. Roofs were also severely damaged on many homes and trees were stripped of leaves and in some cases of bark. The heaviest damage occurred north of Vandalia and continued east through Brownstown and into eastern Fayette County. The Vandalia Correctional Center received about 4 million dollars in hail damage that included 1000 broken windows, major roof damage to buildings and damage to 20 state vehicles. Large hail even cracked 19 bulletproof windows in the inmate transfer bus. A policeman was hit by hail and suffered a concussion. About 8 percent of the winter wheat crop was crushed by the hail onslaught in Fayette County. A two mile wide band stretching across Fayette County from Mulberry to St. Elmo was devastated by the hailstorm.								
Effingham Co.	25	1340CST			0	0	6	?	Hail (2.75)
	Golfball to baseball size hail dented many cars, broke many windows, caused much roof damage and crushed newly planted crops in the area. The most severe damage occurred along the south Effingham County line around the Edgewood and Eberle areas. The southern and western sections of Effingham were hard hit. Altamont in western Effingham County was also hit by large hail.								
Jasper Co: 2E Wheeler Newton	25	1415CST			0	0	5	?	Hail (2.75)
	25	1430CST			0	0	5	?	Tstm.winds
	Baseball size hail damaged homes and autos 2 miles east of Wheeler. Thunderstorm wind destroyed a home in Newton where golfball size hail was also reported.								
Crawford Co: Oblong Robinson and New Hebron	25	1445CST			0	0	4	?	Tstm.winds
	25	1458CST			0	0	4	?	Hail (1.75-2.75)
	Strong thunderstorm wind took a roof off a home in Oblong. A farm house 4 miles north of Oblong was badly damaged by high winds and a 30 by 50 foot shed was destroyed. Large hail damaged homes and autos in Robinson and New Hebron.								
Clark Co, Marshall	25	1451CST			0	0	?	?	Hail (1.75)
De Witt Co.	25	1540CST			0	0	?	?	Hail (0.75)
Douglas Co, Camargo	25	1545CST			0	0	5	?	Hail (2.00)
	A hailstorm was centered near Camargo and lasted 30 minutes. Very large hail punched holes through the siding of mobile homes, damaged cars, dented home siding and destroyed new crops in the area. Snowplows were called out to clear hail that piled up over U.S. 136. Many birds were killed by the hail. Heavy rains caused local flooding of roads and low-lying areas. Leaves and some bark were stripped from trees.								
Champaign Co.	25	1610CST			0	0	5	?	Hail (0.75) Tstm.winds
	High winds ripped the roofs off an animal clinic and off a farm shed west of Champaign. An airplane was flipped over at the University of Illinois Airport.								
Edgar Co. 10W Paris and 13N Paris	25	1630CST			0	0	?	?	Hail (1.75)
Winnebago Co, Lake Co, Lake Villa	30	1530CST			0	0	?	?	Hail (0.75)
	30	1640CST			0	0	?	?	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
12 INDIANA									
Clark Co.	05	1445EST			0	0	2	0	Hail (0.75)
Floyd Co.	05	1447EST			0	0	0	0	Hail (0.75)
Clark Co.	05	1455EST			0	0	2	2	Hail (2.00)
Owen Co. Vandalia	19	1804 EST	0.5	30	0	0	4	0	Tornado (F1)
					A tornado overturned and damaged a tied-down mobile home. The tornado also demolished a large shed and broke windows and ripped the awning off a nearby house. Several trees were downed.				
Posey Co. 5 E Mt. Vernon	19	1745 EST	1.0	30	0	0	4	?	Tornado (F1)
					A tornado damaged barns near Indiana Highway 62 about 5 miles east of Mt. Vernon, Indiana.				
Vanderburgh Co. Evansville Evansville	19	1805 CST	3.5	40	0	0	5	0	Tornado (F1)
	19	1830 CST			0	0	3	0	Hail (2.00)
					A tornado touched down in a field, pulling power lines down. The tornado continued moving northeast damaging homes and flipping a camping trailer as it moved over a hill. The tornado continued down the hill and broke trees. The tornado lifted up as it moved across a large mobile home park, but it took the roof off a recreation center in the park.				
Spencer Co. Grandview Reo	19	1834 CST	1.0	30	0	0	2	0	Tornado (F1)
	19	1934 CST			0	0	3	0	Tstm.Wind
					A tornado downed trees a half mile north of Grandview. Thunderstorm winds greater than 60 miles an hour downed power lines and trees 4 miles west of Rockport near Reo.				
Gibson Co. Lyles	19	1835 EST	0.5	30	0	0	2	0	Tornado (F1)
					A tornado touched down in a field 5 miles west of Princeton near a small town called Lyles. The tornado was witnessed by a severe weather spotter as it bent down a sign post.				
LaPorte Co. Michigan City	25	0245 EST			0	0	?	?	Tstm.Wind
					Several trees and tree limbs were downed, causing scattered power outages at Michigan City, Rolling Prairie, and Hudson Lake, all in northern LaPorte County. The damage was along and north of U.S. Highway 20.				
St. Joseph Co. South Bend New Carlisle	25	0253 EST			0	0	5	?	Tstm.Wind
	25	0300 EST			0	0	4	?	Tstm.Wind
					Wind gusted to 86 mph at Michiana Regional Airport. Five small airplanes were damaged. The roof was partially blown off and windows were blown out of the airport safety/maintenance building. The strong winds downed 50 trees between New Carlisle and the north side of South Bend. One tree damaged a house in South Bend.				
Elkhart Co. Elkhart	25	0330 EST			0	0	?	?	Tstm.Wind
					Very large trees were downed in the central and eastern part of the city of Elkhart, causing power and phone outages.				
Howard Co. Cassville SS Kokomo Tipton Co. Tipton Hamilton Co. Omega	25	0420 to 0430 EST			0	0	4	0	Tstm.Wind
					Thunderstorm winds blew a large tree onto a house at Cassville and uprooted 2 trees and damaged others near State Road 26 south of Kokomo. Several trees and a barn were blown down southwest of Tipton. A garage was destroyed and 8 trees were blown down or uprooted near State Road 213 south of Omega.				
Sullivan Co. Dugger	25	1630 EST			0	0	0	0	Hail(1.00)
Vermillion Co.	25	1720- 1800 EST			0	0	4	?	Wind Hail(1.75)
					Trees and power lines were downed by strong thunderstorm winds at Hillsdale, Dana and St. Bernice. Golf ball size hail occurred near Hillsdale. The strong winds produced major damage to the roof of the Eli Lilly and Co. Clinton Laboratories. Minor damage also occurred to the roofs of two other plant buildings. Two construction semi-trailers were also overturned. There were no reported injuries. Damage was also reported in the area of Ernie Pyle School. Total damage was estimated at around \$250,000.				
INDIANA									
Parke Co.	25	1730- 1840 EST			0	1	7	6	Tstm.Wind Hail(1.75)
					0	0	?	?	
					A very severe thunderstorm packing winds of near 90 miles an hour moved across the central and northern parts of the county. The greatest property damage was in the city of Rockville, where damage was widespread. The storm hit Rockville around 1750 EST. Many trees were downed through the county along with some power lines. Hail the size of golf balls accompanied this severe storm. The hail stripped the leaves off of many trees. Torrential rains also caused extensive flooding.				
					Several buildings in Rockville were damaged, with portions of the roofs blown off and windows blown out. Buildings damaged include: the Olde Parke State Bank, Lee Grocery, Furniture Store, Parke County Sentinel Office, Calico Hayloft, American Legion Post, Parke Hotel and the Rockville National Bank.				
					The Parke County Historical Courthouse was heavily damaged. Many of the windows were blown out or knocked out by falling limbs. A part of the roof was blown off and water from heavy rains poured into the court room. Water was several inches deep in the court room and in the basement of the courthouse. Large trees on the Courthouse lawn were blown over. The main damage path was about four miles wide from near Montezuma through Rockville and then east to Portland Mills. Three house trailers were destroyed and four others damaged in Portland Mills.				
					Eight cars were flattened at the Marshall Auto Dealership by an overturned trailer. An amateur radio operator in Marshall measured winds of 88 miles an hour at 1805 EST.				
					At Billie Creek Village some 100 trees were reported downed by the severe winds. Greene Township in Parke County suffered extensive damage between 1815 and 1840 EST. Large hail stripped the leaves off of trees. The winds downed trees, barns and silos and snapped light and power poles. Several mobile homes were destroyed or overturned.				
					Additional damage to trees, farm buildings and silos occurred in the area from just north of Hollandsburg to State Road 236 and slightly beyond to Milligan and Russellville and west to State Road 59 and beyond to Bellmore.				
					Damage was estimated around \$20,000,000. Residents filed claims for \$11,000,000 and the crop loss from planted grain and the grain lost in damaged silos was around \$4,000,000.				
Montgomery Co.	25	1800- 1840 EST			0	0	5	?	Tstm.Wind Hail(0.88)
					0	0	?	?	
					Many trees were blown down in the southern part of the county. Downed trees blocked Route 231 near Parkersburg for several hours. Strong winds blew the roof off a mobile home at County Road 1050 south and U.S. 231 south and blew away a barn and pole barn in the Browns Valley area.				
					At 1835 EST nickel size hail was reported at Ladoga. An amateur radio operator reported 60 mile an hour winds. Some trees and power lines were blown down. Trees landed on some cars and houses.				
Putnam Co.	25	1810- 1845 EST			0	1	6	?	Tstm.Wind Hail(1.75) Funnel Clouds
					0	0	?	?	
					Wind damage and hail damage was reported from Portland Mills and Russellville to Raccoon, Roachdale, Fincastle and Bainbridge. Wind damage and 1.75 inch diameter hail was reported at Raccoon at 1833 EST. Funnel clouds were also reported near Raccoon.				
					Seven railroad box cars were blown over just south of Roachdale. Golf ball size hail was reported at 1840 EST at Bainbridge. Also a mobile home was cut in half and hung in a tree in Bainbridge. Several trees were blown down 2 to 3 miles north of Greencastle. Windows were blown out of a house north of Greencastle.				
					Public Service Indiana utility estimated crews would work through the summer repairing damage to the high voltage transmission system along a 10 mile stretch in the Greencastle District, where about 60 power poles were snapped off.				
Putnam Co. Russellville	25	1820- 1840 EST	5.0	300	0	0	5	?	Tornado(F1)
					A tornado produced about a 300 yard wide damage path to trees, houses and farm buildings as it moved east. The damage track was from near Russellville and ended north of Fincastle. The tornado sighting was confirmed near Route 236 and Route 231.				
Putnam Co. Bainbridge	25	1835 EST			0	0	4	?	Hail(1.75)
					The roof at the Bainbridge Elementary School was severely damaged by one and three-quarter inch diameter hail. It was estimated that there were 1000 holes punched into the rubber membrane, styrofoam-covered roof.				

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
INDIANA																			
Putnam Co. Bainbridge	25	1840-1850 EST	4.0	100	0	0	?	?	Tornado(F0)	Central Indiana Counties	25 26	1900-0100 EST	0	0	6	?	?	Flash Flood	
<p>A small tornado touched down about a mile southeast of Bainbridge and moved east to about one mile south of Groveland. Trees were snapped off or uprooted. The sighting was confirmed at Heritage Lake south of Groveland.</p>										<p>Torrential rains fell across central Indiana from Lafayette to Rockville and east from Kokomo and Tipton south to Shelbyville. General rainfall amounts were around 2 inches in less than an hour. Some places in west-central Indiana, the counties of Vermillion, Parke, Putnam and Tippecanoe received more than four inches. The greatest rainfall total and the most serious flooding was in Parke County. Rockville measured over seven inches of rain during the evening.</p>									
Hendricks Co.	25	1845-1910 EST			0	0	6	?	Hail(2.00) Tstm.Wind										
<p>Hail up to two inches in diameter pelted northern Hendricks County. Hail covered the ground in Brownsburg and Lizton. Many roofs of buildings and automobiles were damaged. Over 250 automobiles were damaged at car dealerships in Brownsburg. Damage total from hail was estimated at three million dollars.</p>										<p>Bridges and roads were washed out in central Vermillion and Parke counties. One historic covered bridge was destroyed and two others sustained serious damage in Parke County. The Adams bridge was destroyed, with only a few timbers left around the abutment.</p>									
Hendricks Co.	25	1905 EST	0.2	50	0	0	?	?	Tornado(F0)										
<p>A small tornado touched down briefly at the Pittsboro Community Golf Course on U.S.136. The sighting was by the Pittsboro fire department.</p>										<p>Water was waist deep in Lafayette and cars were surrounded by high water about 2030 EST. In less than three hours, four and a half inches of rain was measured at the West Lafayette Wastewater Treatment Plant.</p>									
Boone Co.	25	1845-1855 EST			0	0	?	?	Tstm.Wind Hail(1.75)	Tipton Co.	25	2100 EST			0	0	?	?	Tstm.Wind
<p>Trees were blown down near Jamestown in the extreme southwest corner of the county. Scattered wind damage to tree limbs and some power lines occurred across the southern part of the county. At 1851 EST golf ball size hail was reported at State Route 39 and Interstate 70.</p>										<p>Trees and power lines were downed and cars and homes damaged by falling trees. A concrete garage was destroyed at 400 west and 500 south.</p>									
North Marion Co.	25	1905-1920 EST			0	0	4	?	Tstm.Wind Hail(2.00)	Grant and Blackford Counties	25	2120-2300 EST			0	0	?	?	Flash Flood
<p>Hail up to two inches in diameter fell across the northern part of Indianapolis. Many automobiles were damaged by the large hail and some roof damage occurred. Some trees and large limbs were also blown down by the strong thunderstorm winds. Damage was estimated at \$6,000,000, mostly due to hail.</p>										<p>Severe flooding of streets was reported in Marion and Hartford City by the city police. Some roads were impassable, and some cars were reported to be floating.</p>									
Hamilton Co.	25	1923-1933 EST			0	0	?	?	Hail(1.75) Tstm.Wind Funnel Cloud	Madison Co. Elwood	25	2133 EST			0	0	?	?	Hail(1.00)
<p>Hail near golf ball size was reported from Carmel, Noblesville and Fishers. Some trees were blown down near Fishers and a funnel cloud was sighted at 116th and Eller Road near Fishers.</p>										<p>The county sheriff reported numerous trees and power lines downed. Damages were extensive at Prairie Creek Lake. Some 20 pontoons were heavily damaged. Four by eight foot signs were snapped off.</p>									
Hancock Co.	25	1935 EST			0	0	?	?	Hail(0.68)	Delaware Co. Gaston	25	2200 EST			0	0	?	?	Hail(1.75)
<p>Nickel size hail was reported in the northern part of the county by the county sheriff.</p>										<p>Delaware Co. 25 2200-2215 EST 0 0 5 ? Tstm.Wind</p>									
Madison Co.	25	1935-1955 EST			0	1	4	?	Tstm.Wind	Jay Co.	25	2204 EST			0	0	4	?	Tstm.Wind
<p>Numerous reports of large limbs and trees down came from the southern part of the county. A house trailer was overturned by the strong winds at Markleville around 1950 EST. A woman was injured when a large tree limb fell on her leg.</p>										<p>A barn was blown down 3 miles east of Fiat in northwest Jay County. Some large trees were also blown down.</p>									
Henry Co.	25	1955-2015 EST			0	0	?	?	Tstm.Wind	Hendricks Co.	25	2221 EST			0	0	0	0	Tstm.Wind
<p>Strong thunderstorm winds downed trees and large limbs in Sulphur Springs and Mechanicsburg.</p>										<p>An amateur radio operator reported 60 mile an hour winds 2 miles north of Brownsburg.</p>									
Wabash Co.	25	2000 EST			0	0	2	0	Tstm.Wind	Adams County, 1 E Salem to the Ohio state line	25	2230 EST	2.3	20	0	0	4	0	Tornado (F1)
<p>Trees were reported blown down 5 miles south of Wabash.</p>										<p>A tornado moved from one mile east of Salem, east-northeast to the state line and crossed into Ohio. It destroyed a barn and a windmill tower, and blew down a number of trees during its 2.3 mile trek through east-central Adams County in Indiana.</p>									
Tippecanoe Co.	25	2020 EST			0	3	?	?	Tstm.Wind	Marion Co.	25	2235-2240 EST			0	0	3	?	Tstm.Wind
<p>A mobile home was overturned by strong thunderstorm winds at Stockwell. Three people suffered minor injuries.</p>										<p>Numerous large branches and some small trees were blown down by thunderstorm winds across northern Indianapolis. Part of a roof and a chimney were ripped off a house at 79th Street, between Georgetown and Michigan roads. Power lines were downed at 8th Street and Zionsville Road.</p>									
Clinton Co.	25	2025-2040 EST			0	0	?	?	Tstm.Wind	Jay Co.	25	2250-2330 EST			0	0	?	?	Flash Flood
<p>Large tree limbs were reported down 3 miles east of Frankfort. Fallen trees blocked the Mulberry Jackson Blacktop and State Road 29 in Boyleston.</p>										<p>A number of roads were reported as impassable across the county due to heavy rain and high water.</p>									
										Jay Co.	25	2313 EST			0	0	4	?	Tstm.Wind
										<p>A number of trees and power lines were reported down across the county.</p>									
										Hendricks Co.	25	2329 EST			0	0	0	0	Tstm.Wind
										<p>An amateur radio operator reported winds of 60 miles an hour at Coatesville.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
INDIANA									
Johnson Co.	26	0027 EST		0	0	?	?	Tstm.Wind	
									Trees were reported down and some power outages occurred at Nineveh in the southern part of the county.
Ripley Co. Holton	26	0200 EST		0	0	4	?	Tstm.Wind	
									The county sheriff reported one barn was destroyed and trees were blown down onto five cars and 2 houses.
Franklin Co. Brookville	26	0234 EST		0	0	4	?	Tstm.Wind	
									Wind damage occurred in the town park, along Eighth Street. Trees were uprooted and blown over, with some houses receiving minor damage. Creeks in the vicinity were bankfull from heavy rain.
White and Carroll Counties	29	0950 EST		0	0	?	?	Flash Flooding	
									Heavy rain from slow-moving thunderstorms caused flooding in northeast White and parts of Carroll counties. A ham radio operator reported flooding at Indiana Beach recreation area at Lake Shafer. White County sheriff reported water on roads in Monticello. State Road 218 east of Camden in Carroll County was closed due to high water.
Lagrange Co.	31	1002 EST		0	0	3	?	Tstm.Wind	
									A number of trees were uprooted in the Home and Ontario areas.
Elkhart Co. Goshen Elkhart	31	1735 EST		0	0	?	?	Tstm.Wind	
	31	1755 EST		0	0	?	?	Tstm.Wind	
									Two large trees were uprooted just west of Goshen. A small aircraft was overturned and trees were downed at the Elkhart Municipal Airport.
Noble Co.	31	1810 EST		0	0	3	?	Tstm.Wind	
									Trees were uprooted, a camper was blown over and a garage was damaged near Avilla.
Kosciusko Co.	31	1830 EST		0	0	?	?	Tstm.Wind	
									Numerous large trees, scattered over all the county, were downed by high winds.
Dekalb Co.	31	1835 EST		0	0	4	?	Tstm.Wind	
									A number of trees and power lines were reported down across the county.
Allen Co.	31	1845 EST		0	0	3	?	Tstm.Wind	
									Numerous power lines were reported down across the county as well as some trees down.
13 IOWA									
Mahaska County, Fremont	04	1830 CST		0	0	0	0	Cold Air Funnel	
Clay County, Spencer	04	1830 CST		0	0	0	0	Cold Air Funnel	
Dickinson County, Spirit Lake	04	1833 CST		0	0	2	0	Tstm.Winds (51)	
Appanoose County, Moravia	04	1900 CST		0	0	0	0	Cold Air Funnel	
Wapello County, Blakesburg	04	1920 CST		0	0	0	0	Cold Air Funnel	
									Scattered thunderstorms developed over much of Iowa during the late afternoon. Most of them produced winds of 40 to 50 MPH along with pea to marble size hail. A couple cold air funnels were observed. One was over Mahaska County, the other over Clay County. The only severe weather reported was in the Spirit Lake area, where a thunderstorm produced a 59 MPH wind gust. Two additional cold air funnels were sighted later at Moravia, Appanoose County and Blakesburg, Wapello County.
IOWA									
Appanoose County, Centerville	08	2205 CST		0	0	2	0	Hail (.75)	
Davis County, Troy	08	2310 CST		0	0	3	0	Hail (1.75)	
									Thunderstorms developed over Southern Iowa. One of these became severe and dropped dime size hail on Centerville, and golfball size hail on Troy.
Sioux County, Hawarden	15	1645 CST		0	0	4	0	Dust Devil	
									A dust devil developed at a marina body shop in Hawarden. It shifted several boats around, causing considerable damage to some of them.
Black Hawk County, Cedar Falls	18	1900 CST		0	0	3	0	Lightning	
									Lightning struck a transformer in Cedar Falls. Power was knocked out for about 2000 homes.
Sioux County, Maurice	22	2330 CST		0	0	3	0	Lightning	
									Lightning struck a tree next to a house. It jumped over to the house and caused damage to several appliances.
Calhoun County, Rockwell City	23	0030 CST		0	0	2	3	Hail (.75)	
									An isolated thunderstorm passed over the Rockwell City area, dropping dime size hail.
Lyon County: 5N George	23	1915 CST		0	0	5	4	Hail (2.75)	
George	23	1925 CST	0.1	15	0	0	3	Tornado (F0)	
Osceola County, Ocheyedan	23	1935 CST		0	0	4	3	Tstm.Winds (56)	
Dickinson County, Arnolds Park	23	1950 CST		0	0	4	2	Tstm.Winds (52)	
O'Brien County, Sheldon	23	1950 CST		0	0	3	4	Hail (1.75)	
Clay County: Fostoria	23	1955 CST		0	0	4	4	Tstm.Winds (56)	
Spencer	23	2011 CST		0	0	4	3	Tstm.Winds (60)	
Dickinson County, 5 1/2 S Milford	23	1957 CST		0	0	4	3	Tstm.Winds (50+)	
Buena Vista County, Storm Lake	23	2116 CST		0	0	4	3	Tstm.Winds (57)	
Pocahontas County, Pocahontas	23	2129 CST		0	0	3	2	Tstm.Winds (52)	
Sac County: Schaller	23	2140 CST		0	0	4	4	Hail (2.00)	
Odebolt	23	2155 CST		0	0	4	4	Hail (2.00)	
Weber County, Fort Dodge	23	2208 CST		0	0	3	3	Tstm.Winds (51)	
Franklin County, Hampton	23	2210 CST		0	0	5	3	Tstm.Winds (61)	
Wright County, Eagle Grove	23	2220 CST		0	0	4	2	Tstm.Winds (50+)	
Woodbury County, Pierson	23	2223 CST		0	0	3	2	Tstm.Winds (50+)	
Sac County, Odebolt	23	2242 CST		0	0	4	4	Hail (1.75)	
Carroll County, Carroll	23	2300 CST		0	0	4	4	Hail (1.75)	
Ida County, Ida Grove	23	2313 CST		0	0	3	2	Tstm.Winds (52)	
Crawford County: 1 1/2 NW Kiron	23	2325 CST		0	0	5	4	Tstm.Winds (50+)	
West Side	24	0003 CST		0	0	3	0	Tstm.Winds (50+)	
Polk County, 8 N Des Moines Airport	24	0030 CST		0	0	3	0	Tstm.Winds (50+)	
Jasper County, Newton	24	0030 CST		0	0	4	2	Tstm.Winds (50+)	
Polk County, Mitchellville	24	0045 CST		0	0	4	3	Tstm.Winds (50+)	
Polk County, 3 N Des Moines Airport	24	0039 CST		0	0	3	0	Tstm.Winds (50+)	
Mahaska County, Oskaloosa	24	0140 CST		0	0	3	3	Hail (.75)	
Marion County, Pella	24	0145 CST		0	0	3	2	Tstm.Winds (52)	
Warren County, Lakewood	24	0147 CST		0	0	2	2	Hail (.75)	
Mahaska County, 8NW Oskaloosa	24	0200 CST		0	0	0	0	Funnel Cloud	
Mitchell County, 5 1/2 N Osage	24	0210 CST		0	0	4	0	Lightning	
									Lightning struck and burned a farm building.
Black Hawk County: 4 N Dunkerton	24	0240 CST		0	0	4	3	Tstm.Winds	
Dunkerton	24	0240 CST		0	2	5	2	Tstm.Winds (82)	

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
— IOWA —										
Mahaska County, Oskaloosa	24	0248 CST			0	0	4	0	Lightning	
Lightning struck two buildings in Oskaloosa. Both were set on fire.										
Wapello County, Ottumwa	24	0300 CST			0	0	3	0	Lightning	
Lightning struck a house, causing a fire.										
Keokuk County, Hedrick	24	0300 CST			0	0	4	5	Hail (1.75)	
Buchanan County: Independence	24	0310 CST			0	0	4	3	Tstm.Winds (64)	
Lamont	24	0310 CST			0	0	4	3	Tstm.Winds (60)	
Jesup	24	0329 CST			0	0	4	3	Tstm.Winds (50+)	
Cedar County, Tipton	24	0315 CST			0	0	4	0	Lightning	
Lightning struck a house, starting it on fire.										
Buchanan County, 2N Winthrop	24	0315 CST			0	0	5	4	Tstm.Winds (65)	
Delaware County, Manchester	24	0325 CST			0	0	4	3	Tstm.Winds (56)	
Des Moines County, Mediapolis	24	0330 CST			0	0	3	2	Tstm.Winds (50)	
Fayette County, Oelwein	24	0330 CST			0	0	4	3	Tstm.Winds (52)	
Jasper County, Monroe	24	0345 CST			0	0	2	2	Hail (.75)	
Dubuque County, Dubuque	24	0355 CST			0	0	3	2	Tstm.Winds (57)	
Mahaska County, 3/4 N Oskaloosa	24	0428 CST			0	0	3	4	Hail (.75)	
Hail covered the ground.										
<p>A small mesoscale complex developed over Southwest Minnesota. It moved southeast across Iowa during the evening of the 23rd and early morning of the 24th. There was one small tornado, which touched down briefly in Lyon County. Baseball size hail fell north of George. Most of the severe weather with this system was due to high winds and hail. Several boats were tipped over in Arnolds Park. One storm blew a mobile home off its foundation at Mitchellville. High winds caused 2 injuries at an apartment complex in Dunkerton. Damage to the building was placed at \$200,000. A farm north of Dunkerton sustained \$20,000 damage. There were numerous reports of trees uprooted and farmsteads damaged, many more than can be printed here.</p>										
Adams, Union Ringgold, and Decatur Counties; 1E Corning to near Kent to 3 W Davis City	24	1711 to 1854 CST	50	300	0	0	7	5	Tornado (F4)	
Hamilton, Story, Hardin, Marshall, and Tama Counties; 7SE Stratford to 7W Traer	24	1720 to 1922 CST	66	150	0	3	7	5	Tornado (F4)	
Union County: 1N Creston	24	1754 CST			0	0	3	4	Hail (2.00)	
3 1/2 S Creston	24	1758 CST			0	0	0	0	Funnel Cloud	
Story County, Gilbert	24	1757 CST			0	0	0	0	Wall Cloud	
Boone and Story Counties, 5W Story City	24	1801 CST			0	0	0	0	Funnel Clouds	
Union County, Creston	24	1809 CST			0	0	0	0	Funnel Cloud	
Ringgold County, Beaconfield	24	1840 CST			0	0	3	2	Tstm.Winds (50+)	
Mitchell County, 2E Carpenter	24	1850 CST			0	0	3	3	Tstm.Winds (50+)	
Decatur County, 3W Davis City	24	1854 CST			0	0	0	0	Funnel Cloud	
Mitchell County, Osage	24	1900 CST			0	0	5	3	Tstm.Winds (50+)	
Appanoose County, Plano	24	1930 CST			0	0	4	3	Tstm.Winds (52)	
	24	1935 CST			0	0	3	3	Hail (1.50)	
Wayne County, 5SSW Humeston	24	1932 to 1936 CST	2.0	20	0	0	4	3	Tornado (F1)	
Marshall County, 2NW Le Grand	24	1940 CST	0.2	15	0	0	3	3	Tornado (F0)	
Grundy County, Reinbeck	24	1940 CST			0	0	4	3	Tstm.Winds (50+)	
Wayne County, Humeston	24	1941 CST			0	0	0	0	Funnel Cloud	
Chickasaw and Winnesiek Counties, 3W Lawler to Jackson Junction	24	1945 to 2000 CST	10.0	35	0	0	4	4	Tornado (F1)	
Chickasaw County, 7 1/2 N New Hampton	24	1949 CST			0	0	3	3	Tstm.Winds (50+)	
— IOWA —										
Appanoose County, Centerville	24	1950 CST			0	0	5	4	Tstm.Winds (52)	
Howard County, SW Cresco	24	2000 CST			0	0	4	3	Tstm.Winds (55)	
Appanoose County, Rathbun Reservoir	24	2012 CST			0	1	4	3	Tstm.Winds (50+)	
Davis County, Bloomfield	24	2015 CST			0	0	4	3	Tstm.Winds (55)	
Linn County, Walker	24	2025 CST			0	0	4	3	Tstm.Winds (58)	
Benton County, Vinton	24	2030 CST			0	0	4	2	Tstm.Winds (50)	
Clayton County, 3 NW St. Olaf	24	2030 CST	0.3	25	0	0	5	3	Tornado (F0)	
Linn County: Hiawatha	24	2049 CST			0	0	3	2	Tstm.Winds (52)	
Cedar Rapids	24	2049 CST			0	0	3	2	Tstm.Winds (52)	
Delaware County, 1W Manchester	24	2052 CST			0	0	3	2	Tstm.Winds (50)	
Jones County, Oxford Junction	24	2118 CST			0	0	4	3	Tstm.Winds (50+)	
Johnson County, Iowa City	24	2120 CST			0	0	4	3	Tstm.Winds (53)	
Johnson County, Lone Tree	24	2130 CST			0	0	3	2	Tstm.Winds (52)	
Cedar County, Tipton	24	2130 CST			0	0	5	3	Tstm.Winds (50+)	
Muscatine County, Muscatine	24	2140 CST			0	0	4	3	Tstm.Winds (50+)	
Washington County, 2E Riverside	24	2148 CST			0	0	0	0	Funnel Cloud	
<p>Severe thunderstorms developed ahead of a cold front during the early evening hours. There were two dominant storm cells, each producing a significant tornado. Numerous funnel cloud reports were received. The two storms were multicellular, with several funnel clouds contained in each cluster. The first storm was over Southern Iowa and spawned a tornado one mile east of Corning. The tornado lifted a few times along its 50 mile path before lifting a final time 3 miles west of Davis City. It was its most intense in Adams County where it was mostly F3 intensity but occasionally F4. In Ringgold and Union counties its maximum intensity was F2. The maximum intensity of F4 occurred in the vicinity of Prescott where the damage path also attained its maximum width of one mile. A farm near Prescott was struck and virtually destroyed. Three hundred hogs were strewn 1/4 to 1/2 mile across a field. The second storm produced a tornado in Central Iowa. It touched down 7 miles southeast of Stratford and traversed a distance of 66 miles before lifting 7 miles west of Traer in Tama County. There was a few times that the tornado momentarily lifted off the ground during its trek. Three injuries resulted from this tornado, they occurred near Liscomb where the tornado reached its maximum intensity. The tornado's path was nearly 1/2 mile wide at that point. Two farms just east of Liscomb were destroyed. The three injuries occurred on one of them. A car at that farm was picked up and thrown several hundred feet, and buildings were completely leveled. The maximum intensity of this tornado (F4) was reached in Marshall County only; a maximum of F2 was reached in Hamilton County and part of Story County.</p> <p>As the two storms moved east, the area between tornadic clusters filled in. High winds and some hail were reported over East and Southeast Iowa. Strong winds north of New Hampton blew a semi into a ditch. High winds also caused considerable damage in Centerville. There were four other tornadoes that occurred through the remainder of the day, none any stronger in intensity than F1. A tornado 5 miles south-southwest of Humeston reportedly moved east. The tornado that was on the ground for a little over a quarter of a mile 3 miles northwest of St. Olaf did damage to a farmstead.</p>										
Adair County, Greenfield	28	0800 CST			1	0	0	0	Lightning	
A man was struck and killed by lightning while outside in Greenfield. M390.										
Hardin County, Alden	30	0534 CST			0	0	3	4	Hail (1.75)	
Franklin County: Hampton	30	0600 CST			0	0	2	3	Hail (.75)	
1E Bradford	30	0621 to 0623 CST	1.0	15	0	0	3	3	Tornado (F0)	
Fayette County, 2W West Union	30	0635 CST			0	0	2	3	Hail (.75)	
Allamakee County, 7N Monona	30	0715 CST			0	0	3	0	Lightning	
Bremer County, Waverly	30	0718 CST			0	0	2	3	Hail (.75)	

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
IOWA											
Clayton County: Cunder McGregor	30	0810 CST			0	0	2	3	Hail (.75)		
	30	0815 CST			0	0	4	4	Hail (2.00)		
	Thunderstorms developed over North-Central into Northeast Iowa. They developed southeast, but moved east. For the most part, hail and heavy rain occurred. The most significant hail was in Clayton County with 2-inch diameter hail. The hail broke windows in a few houses. Hardin County had golf ball size hail. One tornado touched down briefly in Franklin County. Lightning damage occurred north of Monona as lightning struck a house. Several appliances were damaged.										
Hardin County: Hubbard Eldora	30	1755 CST			0	0	3	4	Hail (1.00)		
	30	1832 CST			0	0	2	3	Hail (.75)		
Hardin and Grundy Counties, New Providence to 3 1/2 WNW Conrad	30	1850 to 1920 CST	11.0	200	0	3	6	5	Tornado (F4)		
Grundy County, IN Conrad	30	1930 CST			0	0	0	0	Funnel Cloud		
	A severe thunderstorm developed over Hardin County along a cold frontal boundary. At first, the storm was only producing hail. Over southeast Hardin County, a tornado touched down at New Providence. Nine farmsteads were damaged by the tornado, three were destroyed and one nearly destroyed. The path of the damage was about 1/2 mile wide when the tornado was its strongest between New Providence and Union. On one farm, a car was picked up and thrown 300 yards. The greatest damage occurred along a 6 mile stretch there. Damage estimates were placed at over \$1.1 million. There were three injuries. Amazingly, there were no fatalities. Over 100 head of livestock were destroyed as the tornado swept through one farm. Many had broken necks and boards driven through them. The tornado moved into Grundy County, but had weakened considerably by then. The last report associated with this storm was a funnel cloud north of Conrad.										
Appanoose County, 10SE Moravia	31	1730 CST			0	0	4	3	Tstm. Winds (50+)		
	Severe thunderstorms moved through Appanoose County. Damage occurred to some houses southeast of Moravia. Numerous trees were also downed.										
14 KANSAS											
Wallace Co. 15S Goodland	03	1500CST	Short Narrow		0	0	0	0	Tornado (F0)		
Graham Co. 2W Hill City Hill City	03	1558CST			0	0	3	3	Hail (1.0)		
	03	1610CST			0	0	4	4	Hail (1.0)		
Finney Co. Holcomb	03	1814CST			0	0	4	3	Hail (1.75)		
16NNE Garden City	03	1828CST			0	0	3	4	Hail (1.75)		
21ENE Garden City	03	1858CST			0	0	3	4	Hail (1.75)		
Gray Co. 6SE Cimarron	03	1913CST			0	0	3	4	Hail (1.75)		
Scott Co. 9SSE Scott City	03	1915CST			0	0	3	3	Hail (1.75)		
Ford Co. Howell	03	1945CST			0	0	4	3	Hail (1.75)		
3NW Spearville	03	2000CST			0	0	3	5	Hail (1.75)		
10S Dodge City	03	2005CST			0	0	3	4	Hail (1.75)		
15S Dodge City	03	2017CST			0	0	3	4	Hail (1.75)		
Hodgeman Co. 10SE Jetmore	03	2000CST			0	0	3	4	Hail (1.75)		
	Severe thunderstorms developed across portions of western Kansas during the afternoon and evening hours and produced large hail up to golfball size. A small tornado briefly touched down in an open field 15 miles south of Goodland, but did no damage. Hail did considerable damage to crops in Ford and Hodgeman counties with about 10,000 acres of wheat nearly destroyed.										
KANSAS											
Jewell Co. Webber	03	2145CST			0	0	3	3	Hail (.75)		
Republic Co. Republic	03	2153CST			0	0	3	3	Hail (.75)		
Courtland Munden	03	2210CST			0	0	3	3	Hail (.75)		
	03	2222CST			0	0	4	3	Hail (.75)		
	A severe thunderstorm moved into Jewell and Republic counties from south-central Nebraska and produced large hail and heavy rain. The hail piled up to a depth of seven inches at Munden.										
Shawnee Co. Topeka	08	0800CST			0	1	2	0	Lightning		
	At Topeka, early morning thunderstorms produced a lightning bolt that struck a transformer outside an office building, sending an electrical current into the building. A woman received a minor shock while touching her metal desk at the time the lightning struck. She was treated at a local hospital for minor injuries, then released.										
Jackson Co. Whiting	08	1605CST			0	0	3	3	TSTM Wind		
	A severe thunderstorm in northeast Jackson County produced strong winds that downed several small trees in Whiting.										
Sherman Co. Goodland	08	1830CST			0	0	2	3	Hail (.75)		
Kearny Co. 3NE Lakin	08	2059CST			0	0	3	3	TSTM Wind (57)		
	A few severe thunderstorms developed along a dry line in western Kansas during the evening hours. Strong winds and large hail were reported with a few of the storms, but no major damage was reported across the area.										
Sherman Co. Goodland	13	1645CST			0	0	2	3	Hail (.75)		
5N Goodland	13	1648CST			0	0	0	0	Funnel Clouds		
	A slow-moving low pressure system produced scattered thunderstorms across far northwest Kansas. Large hail fell in the Goodland area, but caused only minor damage. Two cold air funnel clouds were spotted west of Goodland for a short time.										
Clark Co. 3N Sika	15	0643CST			0	0	2	2	TSTM Wind (50)		
Comanche Co. Coldwater Buttermilk	15	0720CST			0	0	2	2	TSTM Wind		
	15	0734CST			0	0	2	3	Hail (1.0)		
Barber Co. 3N Aetna	15	0800CST			0	0	2	2	Hail (1.0)		
	Severe thunderstorms moved across portions of southwest and south-central Kansas during the morning hours. The storms produced strong winds that damaged some roofs in Coldwater, along with some large hail.										
Stanton Co. Johnson	15	1947CST			0	0	2	2	TSTM Wind (50)		
Hamilton Co. 10SE Syracuse	15	2010CST			0	0	2	2	Hail (1.0)		
Stevens Co. Hugoton	15	2032CST			0	0	2	2	TSTM Wind (50)		
Seward Co. 10N Liberal	15	2055CST			0	0	2	2	TSTM Wind (50)		
Sherman Co. 12SW Goodland	15	2115CST			0	0	0	0	TSTM Wind (52)		
	Thunderstorms moved into portions of western Kansas from Colorado and the Oklahoma panhandle during the evening hours. Some of the storms became severe and produced large hail and strong winds. No major damage was reported in the area.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— KANSAS									
Clark Co. Sika	16	1430CST			0	0	4	3	Hail (1.75), TSTM Wind (50)
Comanche Co. SS Protection	16	1445CST			0	0	4	4	Hail (1.75), TSTM Wind (50)
Buttermilk	16	1515CST			0	0	4	3	Hail (1.75)
Barber Co. Aetha	16	1530CST			0	0	2	3	TSTM Wind (50)
					A few severe thunderstorms moved across far south-central Kansas, producing large hail up to golfball size, and strong winds. Some damage to roofs, automobiles and crops in the area was reported.				
Ford Co. Dodge City	16	2210CST			0	0	0	0	High Winds
					A gust front from a line of dissipating thunderstorms produced a brief wind gust to 60 MPH in Dodge City. No damage or thunder was reported.				
Stanton Co. Johnson	17	1300CST			0	0	0	0	Funnel Cloud
Sherman Co. 15N Goodland	17	1310CST			0	0	0	0	Funnel Cloud
Scott Co. 2S Scott City	17	1610CST			0	0	0	0	Funnel Cloud
					Several thunderstorms in western Kansas produced cold air funnel clouds in the area. The funnels were short lived and never touched down.				
Cowley Co. Silverdale	17	2230CST			0	0	4	0	TSTM Wind
					Strong straight-line winds from thunderstorms severely damaged two roofs in Silverdale.				
Harvey Co. Hesston	18	1010CST			0	0	2	2	Hail (1.0)
Jefferson Co. 6W Valley Falls	18	1200CST			0	0	2	2	Hail (1.75)
Reno Co. 2W Plevna 5N Sylvia	18	1200CST			0	0	0	0	Funnel Cloud
	18	1202CST			0	0	0	0	Funnel Cloud
Pratt Co. Cullinison	18	1200CST			0	0	0	0	Funnel Cloud
Leavenworth Co. Tonganoxie Basehor Linwood Tonganoxie	18	1225CST			0	0	2	0	Hail (.75)
	18	1245CST			0	0	2	0	Hail (1.0)
	18	1245CST			0	0	2	0	Hail (1.0)
	18	1300CST			0	0	2	0	Hail (1.0)
Wyandotte Co. Kansas City	18	1310CST			0	0	2	0	Hail (1.0)
Johnson Co. 5SW Olathe Olathe	18	1320CST			0	0	0	0	Funnel Cloud
	18	1325CST			0	0	2	0	Hail (.75)
Lyon Co. Olpe	18	1330CST	.5	30	0	0	5	0	Tornado (F1)
Clay Co. 2NE Morganville	18	1335CST	Short Narrow		0	0	0	2	Tornado (F0)
					Thunderstorms, some severe, developed across portions of central and eastern Kansas. The storms produced two small, short-lived tornadoes. One tornado that touched down near Olpe severely damaged a tractor-trailer, two sheds and a house. Damage to the home was estimated at \$20,000 while \$30,000 in damages was done to the truck. No injuries were reported with either tornado. Large hail, up to golfball size, was also reported. Several funnel clouds were spotted across the region, but none touched down.				
Kiowa Co. Greensburg	19	1800CST			0	0	0	0	Funnel Cloud
					A thunderstorm in south-central Kansas produced a funnel cloud near Greensburg during the early evening hours. The funnel dissipated shortly after being sighted.				
— KANSAS									
Norton Co. Norton	21	0624CST			0	0	3	3	Hail (.75)
Lincoln Co. 5W Lincoln	21	0815CST			0	0	3	3	Hail (.75)
Sedgwick Co. Cheney	21	0818CST			0	0	3	2	Hail (1.75)
	21	0826CST			0	0	2	2	Hail (.75)
	21	0830CST			0	0	0	0	Funnel Cloud
	21	0835CST			0	0	3	0	Hail (1.0)
	21	0844CST			0	0	4	0	Hail (1.50)
	21	0902CST			0	0	4	0	Hail (1.75)
Ottawa Co. Delphos Minneapolis	21	0820CST			0	0	3	3	Hail (.75)
	21	0835CST			0	0	4	3	Hail (1.75), TSTM Wind
Saline Co. Brookville Bavaria Salina	21	0905CST			0	0	4	3	Hail (2.0)
	21	0920CST			0	0	3	3	Hail (.75)
	21	0952CST			0	0	3	3	Hail (1.75)
Ellsworth Co. 10E Ellsworth	21	0910CST			0	0	3	3	Hail (.75)
Butler Co. 9S Augusta 5NE Saffleyburg	21	0935CST			0	0	4	4	Hail (2.75)
	21	0950CST			0	0	3	3	Hail (1.75)
Marion Co. Goessel	21	1024CST			0	0	2	2	Hail (1.0)
Harvey Co. 1E Sedgwick	21	1115CST			0	0	3	3	Hail (1.25)
Elk Co. Howard Longton	21	1116CST			0	0	3	3	Hail (1.75)
	21	1347CST			0	0	2	0	TSTM Wind (52)
Montgomery Co. 3SW Elk City Bolton Coffeyville Coffeyville	21	1202CST			0	0	2	2	Hail (.75)
	21	1209CST			0	0	2	2	Hail (1.0)
	21	1254CST			0	0	2	2	Hail (.75)
	21	1320CST			0	0	2	2	TSTM Wind (52)
Chautauqua Co. Sedan 5NE Hale	21	1203CST			0	0	3	3	Hail (1.75)
	21	1253CST			0	0	2	2	Hail (1.0)
Cherokee Co. Baxter Springs Riverton	21	1340CST			0	0	2	2	Hail (.75)
	21	1355CST			0	0	4	2	TSTM Wind
					A complex of severe thunderstorms moved from northwest to southeast across north-central, central and southeast Kansas during the morning and early afternoon hours. The storms dropped large hail, up to baseball size, that damaged roofs and automobiles and broke windows. Strong winds also blew down trees and damaged several buildings in central and southeastern Kansas. No injuries were reported with the storms.				
Stanton Co. 2W Johnson 2N Johnson Johnson	21	1945CST	.5	50	0	0	0	2	Tornado (F0)
	21	2016CST			0	0	0	0	Funnel Cloud
	21	2030CST			0	0	5	0	TSTM Wind (85)
Ellis Co. 18SW Hays	21	2028CST			0	0	4	4	Hail (1.0)
Morton Co. 3E Richfield	21	2048CST			0	0	0	0	Funnel Cloud
Barton Co. 3W Galatia Great Bend	21	2050CST			0	0	3	3	Hail (.75)
	21	2110CST			0	0	3	3	TSTM Wind (52)
Ford Co. Bucklin	21	2100CST			0	0	2	2	TSTM Wind (50)
Stevens Co. Hugoton	21	2110CST			0	0	5	2	Hail (1.75), TSTM Wind
Seward Co. 14W Liberal	21	2151CST			0	0	2	4	Hail (1.75)
Sedgwick Co. Viola 1W Goddard Wichita Viola Wichita NWS McConnell AFB	21	2155CST			0	0	3	3	Hail (1.25)
	21	2324CST			0	0	3	0	TSTM Wind (52)
	21	2327CST			0	0	3	0	TSTM Wind (52)
	21	2328CST			0	0	2	0	TSTM Wind (52)
	21	2331CST			0	0	5	0	TSTM Wind (66)
	21	2355CST			0	0	4	0	TSTM Wind (62)
Pawnee Co. 5NE Larned	21	2200CST			0	0	3	0	TSTM Wind (50)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— KANSAS									
Kingman Co. Norwich 8W Kingman	21	2200CST			0	0	3	0	Hail (1.0)
	21	2235CST			0	0	3	2	TSTM Wind (52)
Kiowa Co. Mullinville	21	2205CST			0	0	3	0	TSTM Wind (50)
Pratt Co. Pratt	21	2205CST			0	0	3	0	TSTM Wind (50)
Clark Co. Clark Co. Lake	21	2210CST			0	0	3	0	TSTM Wind (50)
Stafford Co. 12N St. John St. John	21	2210CST			0	0	4	2	TSTM Wind
	21	2220CST			0	0	3	2	TSTM Wind
Barber Co. 5N Kake City Sun City	21	2222CST			0	0	5	3	TSTM Wind
	21	2235CST			0	0	4	3	TSTM Wind
Harvey Co. 3W Newton Newton	21	2230CST			0	0	4	3	Hail (1.75)
	21	2240CST			0	0	4	2	Hail (1.75)
Reno Co. 5S Arlington 8SW Hutchinson	21	2230CST			0	0	4	2	TSTM Wind (58)
	21	2235CST			0	0	3	3	Funnel Cloud, TSTM Wind (61)
McPherson Co. 10NE McPherson	21	2255CST			0	0	3	3	Hail (.75)
Harper Co. Anthony	21	2315CST			0	0	4	3	Hail (2.0)
Sumner Co. Wellington Oxford	21	2346CST			0	0	3	2	TSTM Wind (52)
	21	2358CST			0	0	4	3	TSTM Wind
Cowley Co. 10W Winfield Winfield	21	2355CST			0	0	3	2	TSTM Wind (52)
	22	0010CST			0	0	6	4	TSTM Wind (61), Hail (2.75)
Butler Co. Rose Hill	22	0000CST			0	0	3	2	TSTM Wind (52)
Chautauqua Co. 2SE Hale Sedan	22	0030CST			0	0	4	2	TSTM Wind
	22	0107CST			0	0	3	2	TSTM Wind (52)
Elk Co. Moline	22	0113CST			0	0	3	2	TSTM Wind (52)
Montgomery Co. Caney 14NW Independence Coffeyville	22	0131CST			0	0	4	3	TSTM Wind (58)
	22	0200CST			0	0	5	2	TSTM Wind
	22	0330CST			0	0	4	2	TSTM Wind (55)
Labette Co. Fredonia 4E Parsons	22	0135CST			0	0	3	2	TSTM Wind (52)
	22	0200CST			0	0	4	2	TSTM Wind (55)
Neosho Co. Erie Chanute	22	0215CST			0	0	3	2	TSTM Wind
	22	0253CST			0	0	5	0	Lightning
<p>A large complex of severe thunderstorms moved across the southern one-half of Kansas during the night of the 21st and the early morning hours on the 22nd. The storms produced widespread wind damage across the region. Winds of nearly 100 MPH were clocked in Johnson in far southwest Kansas during the evening hours. A tornado also briefly touched down in the area. Strong straight-line winds of 70 to 80 MPH did considerable damage in the Wichita and Winfield areas. Many homes and businesses received damage to windows and roofs while many trees and power lines were downed. Thousands of homes were without power for several hours. Baseball size hail also fell in Winfield. Strong winds did considerable property damage in southeast Kansas, with several outbuildings destroyed in Fredonia. Lightning struck a building in Chanute owned by Santa Fe Railways, causing a fire that destroyed the structure and most of its contents. The loss from the fire was estimated at \$175,000.</p>									
— KANSAS									
Southern and Eastern Cowley County	21-	0830 to			0	0	4	4	Flash Flood
	22	0100CST							
<p>Heavy rains of 4 to 6 inches in two hours time caused Grouse Creek in southern and eastern Cowley County to rise above its banks. At one point, the water was 15 feet above a bridge that crossed the creek near Dexter. The water receded and the flooding ended around 0100CST on the 22nd. No major damage was reported along the creek, except for some flooded fields.</p>									
Republic Co. Courtland Scandia	22	2145CST			0	0	3	2	TSTM Wind (52)
	22	2210CST			0	0	3	2	Hail (.75)
<p>A severe thunderstorm moved into north-central Kansas from south-central Nebraska and caused 60 MPH winds at Courtland. The winds uprooted trees and damaged a semi-tractor trailer. Large hail also fell at Scandia.</p>									
Johnson Co. Shawnee Lenexa Shawnee Leawood	24	2020CST			0	0	3	0	Hail (.75)
	24	2030CST			0	0	3	0	Hail (1.0)
	24	2032CST			0	0	3	0	Hail (.75)
	24	2032CST			0	0	3	0	TSTM Wind, Hail (.75)
<p>A cluster of severe thunderstorms moved across the Kansas City area, producing large hail and damaging winds. No major damage was reported with the storms.</p>									
Harvey Co. Newton	31	1654CST			0	0	3	2	Hail (.75)
Kingman Co. Kingman 5SW Kingman Vanner	31	1714CST			0	0	0	0	Funnel Cloud
	31	1735CST			0	0	0	0	Funnel Cloud
	31	1752CST			0	0	0	0	Funnel Cloud
Lyon Co. 5NW Emporia 5NE Emporia	31	1846CST			0	0	3	3	Hail (1.75)
	31	1900CST			0	0	3	3	Hail (1.75)
Sedgwick Co. NW Wichita NW Wichita NW Wichita N Wichita N Wichita	31	1920CST			0	0	4	2	Hail (1.75)
	31	1925CST			0	0	4	2	Hail (1.75)
	31	1933CST			0	0	3	2	Hail (1.0)
	31	1935CST			0	0	3	0	Hail (1.0)
	31	2003CST			0	0	4	0	Hail (1.75)
Clay Co. Green	31	2025CST			0	0	2	2	Hail (.75)
<p>Scattered severe thunderstorms developed along a cold front across portions of central and east-central Kansas. Several funnel clouds were spotted in northern Kingman County while large hail, up to golfball size, fell in northwest Wichita. Golfball size hail was also reported near Emporia.</p>									
SPECIAL HAIL SUMMARY									
<p>Kansas-Oklahoma Hail Loss Service reports indicate that hail was especially damaging to crops in the listed counties on the following dates:</p>									
03	Ford, Stevens								
18	Jefferson								
21	Marion, Morton, Norton, Sedgwick, Stevens and Stanton								
31	Sedgwick								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
15 KENTUCKY									
Daviess County 3W Owensboro W Owensboro St. Joseph West Louisville	05	1150CST			0	0	1	0	Hail (0.88)
	05	1159CST			0	0	1	0	Hail (0.75)
	05	1201CST			0	0	3	0	TSTM Wind
	05	1227CST	1.0	40	0	1	5	2	Tornado (F2)
	Thunderstorm winds damaged a building in St. Joseph and a tornado touched down in West Louisville. The tornado flipped a pickup truck and a car, destroying both. It also destroyed a house and 8 outbuildings. Three other homes were damaged. In addition, one person received a minor injury and several pigs were killed.								
Hancock County Fellville	05	1220CST			0	0	1	0	Hail (0.75)
Henderson County Henderson Henderson	19	1805CST	2.5	40	0	0	4	0	Tornado (F1)
	19	2000CST			0	0	0	0	Hail (0.75)
	A tornado touched down briefly on Madison and Greene streets, damaging three homes, uprooting trees, and downing power lines.								
Daviess County Masonville Utica Sorgho Utica 4S Philpot	19	1823CST	3.3	40	0	0	5	0	Tornado (F2)
	19	1830CST			0	0	3	0	Hail (1.75)
	19	1930CST			0	0	3	0	Hail (1.75)
	19	2013CST			0	0	1	0	Hail (0.75)
	19	2030CST	8.0	90	0	0	5	0	Tornado (F2)
	A tornado destroyed a house and two barns and downed trees and power lines in Masonville. Another tornado touched down 4 miles south of Philpot along Ditto Road and traveled northeast, leaving an intermittent damage path of about 8 miles. The tornado destroyed barns and outbuildings along its path, and destroyed two mobile homes as well, both being located south of Knottsville.								
Breckinridge County	19	1930CST			0	0	0	0	Hail (1.00)
Hancock County Hawesville	19	2015CST			0	0	3	0	Hail (2.75)
Ohio County Dundee	19	2100CST			0	0	1	0	Hail (0.75)
Logan County Lewisburg Russelville Srn. Logan Co.	19	2330CST			0	0	2	0	Hail (1.75)
	19	2356CST			0	0	4	0	TSTM Wind
	20	0015CST			0	0	3	0	TSTM Wind
	Thunderstorm winds destroyed an airplane hanger in Russelville and downed numerous trees and power lines across southern Logan County.								
Simpson County Middleton Northern Franklin Northern Franklin Southern Franklin	22	1725CST	3.0	40	0	1	5	0	Tornado (F1)
	22	1815CST			0	0	5	0	TSTM Wind
	22	1815CST			0	0	1	0	Hail (0.75)
	22	1850CST	5.0	50	0	0	6	1	Tornado (F2)
	A tornado touched down in Middleton, took the roof off of a church, and overturned a mobile home. One person was injured by flying debris. Thunderstorm winds in northern Franklin overturned mobile homes and took the roofs off of several houses. A second tornado in Simpson County during this night set down in southern Franklin and did much greater damage than the other wind events. In total, the damage during this night included 8 homes destroyed, 13 homes damaged, and 22 barns destroyed.								
Todd County	22	1800CST			0	0	4	0	TSTM Wind
	Winds gusting to around 70 mph damaged several buildings and homes in the community of Guthrie. Several large trees were also blown down.								
Warren County Drake	22	1911CST			0	0	5	0	TSTM Wind
	Thunderstorm winds of over 70 mph destroyed three homes and damaged two barns.								
Allen County Nrn. Halifax	22	1920CST			0	0	2	0	TSTM Wind
	Large trees were downed across northern Allen County.								
Adair County	22	1930CST			0	0	5	0	TSTM Wind
	Winds in excess of 70 mph caused major damage to at least four businesses, a church and three homes, and minor damage to several other businesses and 30 to 35 homes in downtown Columbia.								
Barren County Slick Rock	22	1935CST			0	2	5	0	TSTM Wind
	Thunderstorm winds in excess of 80 mph ripped the roof off of a house. The chimney fell into the house and through the first floor into the basement. Two people in the house also fell into the basement along with the chimney. They were treated for cuts and bruises and kept in a hospital overnight. In addition, several outbuildings were destroyed.								
— KENTUCKY									
Barren County Barre River Lake	22	1935CST			0	0	5	0	TSTM Wind
	Thunderstorm winds destroyed a mobile home, a cabin, a marine dock, and a boat at the Barren River Lake Resort.								
Monroe County Fountain Run	22	2015CST	1.0	50	0	0	5	0	Tornado (F0)
	A small tornado touched down in Fountain Run, damaging several homes and destroying two barns and two outbuildings. In addition, several large trees were uprooted.								
Casey County	22	2130EST			0	0	5	0	TSTM Wind
	Winds gusting over 75 mph damaged several homes south of Liberty. In addition, some barns and outbuildings were destroyed.								
Owsley County	23	0115EST			0	0	5	2	Flash Flood
	At Levi, 3 miles west of Booneville, a bridge was washed out and a car was trapped. Flooding was reported in the community of Levi also.								
Jackson County	23	1025EST			0	0	4	1	Flash Flood
	Heavy rains induced small streams and creeks to rise out of their banks at McKee.								
Owsley County	23	0145EST			0	0	3	0	Flooding
	Kentucky State Routes 1938 and 887 were closed due to high water and mud slides.								
Simpson County Franklin	26	1255CST			0	0	2	0	Hail (1.00)
Cumberland County	26	1450EST			0	0	0	0	Hail (0.75)
Simpson and Allen Counties 1 E Franklin to 1 NE Mount Aerial	26	1527CST	10.0	40	0	0	5	0	Tornado (F1)
	A tornado touched down about one mile east of Franklin and damaged 2 homes and 5 barns on Kinnard Road. The tornado moved northeast creating an intermittent path of damage, passed Gold City, and ended about two miles into Allen County about one mile northeast of Mount Aerial. The tornado was observed as moving up and down along its entire path. The only reported damage was that along Kinnard Road where the tornado originally set down.								
16 LOUISIANA									
Lincoln Parish, Downsville	04	0720CST			0	0	?	?	Hail (2.50)
Caddo Parish, Blanchard	04	0740CST			0	0	?	?	Hail (1.00)
Bossier Parish, 5 N Benton	04	0741CST			0	0	?	?	Hail (1.00)
Webster Parish, 2 S Cotton Valley	04	0743CST			0	0	?	?	Hail (0.88)
Ouachita Parish, Monroe	04	0745CST- 0810CST			0	1	7	?	Hail (3.00)
Morehouse Parish, 5 SW Bishop	04	0747CST			0	0	?	?	Hail (2.50)
Richland Parish, Start	04	0820CST			0	0	?	?	Hail (1.75)
Start	04	0855CST			0	0	4	?	TSTM Wind
2 SW Rayville	04	0835CST			0	0	?	?	Hail (0.88)
West Carroll Parish Epps	04	0902CST			0	0	5	?	TSTM Wind
Natchitoches Parish, Ashland	04	0940CST			0	0	?	?	Hail (0.88)
Sabine Parish, Converse	04	0942CST			0	0	?	?	Hail (0.88)
3 W Converse	04	0942CST			0	0	?	?	TSTM Wind
Madison Parish, east portion	04	0945CST- 1005CST			0	0	7	?	TSTM Wind
5 W Tallulah	04	0948CST			0	0	4	?	TSTM Wind
Richland Parish, 1 N Archibald	04	0948CST			0	0	?	?	TSTM Wind
1 N Archibald	04	0948CST			0	0	?	?	Hail (1.00)
Franklin Parish, parishwide	04	0951CST			0	0	?	?	TSTM Wind
Tensas Parish, parishwide	04	1003CST			0	0	?	?	TSTM Wind (65)
Caldwell Parish, Grayson	04	1008CST			0	0	?	?	Hail (1.00)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
LOUISIANA									
									<p>A cluster of severe thunderstorms moved rapidly across the northern third of the state producing large hail and damaging straight-line winds of 60 to 80 mph. The largest hail occurred in the Monroe area where hail, up to the size of oranges, bombarded the city, shattering hundreds of windows and damaging many houses and thousands of automobiles. The greatest wind damage occurred over West Carroll Parish when a rapidly-moving thunderstorm produced a downburst with wind gusts estimated near 100 mph. Eighty-nine 500 kilowatt electric power transmission towers were toppled in a 35 mile stretch from Tallulah to Vicksburg from the effect, or combined effects, of wind loading on one or more towers and/or oscillation in transmission lines connecting the towers. Damage to the towers was estimated at 7.1 million dollars. Several autos and tractor-trailer rigs were blown off Interstate Highway 20 just east of Tallulah. Near Epps, six mobile homes were rolled by wind gusts and four houses suffered roof damage. Many trees were downed and house roofs damaged from the strong wind gusts across the remainder of the affected areas.</p>
Point Coupee Parish, New Roads	04	1220CST			0	0	4	?	TSTM Wind
Oscar	04	1230CST	0.5	30	0	0	4	?	Tornado(F1)
East Baton Rouge Parish, Zachary	04	1300CST			0	0	4	?	TSTM Wind
									Severe thunderstorms developed over east-central Louisiana. A tornado touched down briefly in Oscar, damaged roofs and downed trees and power lines. Thunderstorm wind gusts caused damage to some buildings at a paper mill near Zachary.
Vernon Parish, Hutton	04	1330CST			0	0	3	?	TSTM Wind
Allen Parish, north portion	04	1430CST			0	0	?	?	TSTM Wind
Calcasieu Parish, Lake Charles, Chenault Field	04	1515CST			0	0	?	?	TSTM Wind (55)
Acadia Parish, Church Point, St. Landry Parish, Lawtell	04	1530CST			0	0	?	?	TSTM Wind
04	1600CST				0	0	4	?	TSTM Wind
St. Mary Parish, Amelie (7R4)	04	1732CST			0	0	?	?	TSTM Wind (60)
Ascension Parish, Donaldsonville	04	1740CST			0	0	?	?	TSTM Wind
Assumption Parish, Napoleonville	04	1745CST			0	0	4	?	TSTM Wind
St. James Parish, Grammercy	04	1750CST			0	0	5	?	TSTM Wind (73)
Lafourche Parish, Thibodaux	04	1755CST			0	0	?	?	TSTM Wind
St. Charles Parish, Norco	04	1755CST			0	0	?	?	TSTM Wind (80)
Killona	04	1800CST			0	0	5	?	TSTM Wind
Jefferson Parish, Kenner (MSY)	04	1815CST			0	0	5	?	TSTM Wind (52)
Metairie	04	1815CST			0	0	5	?	TSTM Wind
Orleans Parish, New Orleans	04	1830CST			0	0	4	?	TSTM Wind
St. Bernard Parish, Chalmette	04	1840CST			0	0	4	?	TSTM Wind
									A cluster of severe thunderstorms developed over south Louisiana in mid-afternoon, accelerated eastward and developed into a classic "bow" formation producing straight-line wind damage across a large area of south-central and southeast Louisiana. The most widespread damage occurred from St. James Parish across the eastbank areas of St. Charles and Jefferson parishes. Anemometers at several industrial plants in this area reported wind gusts of 70 to 90 mph. Many trees were downed and numerous large branches were ripped from trees. Extensive roof damage was reported in St. James, St. Charles, and Jefferson parishes. One side of a house was partially collapsed in Metairie by strong wind gusts.
Caddo Parish, Shreveport	04	2100CST			0	0	?	?	Hail (1.75)
Shreveport	04	2104CST			0	0	0	0	Hail (1.75)
Bossier Parish, S. Bossier City	04	2100CST			0	0	?	?	Hail (1.75)
Webster Parish, Doyline	04	2140CST			0	0	0	0	Hail (0.88)
Claiborne Parish, Athens	04	2206CST			0	0	0	0	Hail (0.88)
Bossier Parish, Bossier City	04	2215CST			0	0	0	0	Hail (0.88)
Caddo Parish, Shreveport	04	2220CST			0	0	0	0	Funnel Cloud
Cross Lake	04	2230CST			0	0	0	0	Hail (1.00)
Shreveport	04	2245CST			0	0	0	0	Funnel Cloud
Bienville Parish, Bryceland	04	2245CST			0	0	?	?	Hail (1.00)
Webster Parish, Heflin	04	2255CST			0	0	?	?	Hail (1.00)
Ouachita Parish, 4 NE Bosco	04	2320CST			0	0	?	?	Hail (1.75)
5 S Calhoun	04	2320CST			0	0	?	?	Hail (1.00)
Richland Parish, Alto	04	2335CST			0	0	?	?	Hail (1.00)
LOUISIANA									
Bienville Parish, Bienville	05	0020CST			0	0	?	?	TSTM Wind
Webster Parish, Dixie Inn	05	0100CST			0	0	?	?	Hail (1.50)
Madison Parish, 5 SE Waverly	05	0125CST			0	0	?	?	TSTM Wind
Caddo Parish, Greenwood	05	0135CST			0	0	?	?	TSTM Wind
5 S Greenwood	05	0142CST			0	0	?	?	Hail (1.50)
DeSoto Parish, Gloster	05	0148CST			0	0	?	?	TSTM Wind
Mansfield	05	0200CST			0	0	?	?	Hail (1.75)
7 E Logansport	05	0205CST			0	0	?	?	Hail (1.00)
Caddo Parish, Rodessa	05	0201CST			0	0	?	?	Hail (1.00)
Spring Ridge to Keithville	05	0212CST-0225CST	8.0	40	0	0	?	?	Tornado (F1)
Bossier Parish, 1 N Benton	05	0212CST			0	0	?	?	TSTM Wind (50)
1 N Benton	05	0212CST			0	0	?	?	Hail (1.00)
4 NE Elm Grove	05	0240CST	0.2	20	0	0	?	?	Tornado (F1)
Barksdale AFB (BAD)	05	0247CST			0	0	0	0	Funnel Cloud
S. Bossier City	05	0247CST	0.2	20	0	0	?	?	Tornado (F1)
Morehouse Parish, Collingston	05	0213CST			0	0	?	?	Hail (0.88)
Sabine Parish, 4 N Zwolie	05	0230CST			0	0	4	?	TSTM Wind
Caddo Parish, Greenwood	05	0310CST			0	0	?	?	TSTM Wind
Webster Parish, Cotton Valley	05	0322CST			0	0	?	?	TSTM Wind
Bienville Parish, Jamestown	05	0330CST			0	0	?	?	TSTM Wind
Caddo Parish, Vivian	05	0331CST			0	0	?	?	TSTM Wind
LAZ001-002-003 Northwest and north-central Louisiana	04	2300CST-050600CST			0	0	?	?	Heavy Rain
Caddo Parish south portion	05	0100CST-0700CST			0	0	?	?	Flash Flood
Webster Parish south portion	05	0100CST-0700CST			0	0	?	?	Flash Flood
Claiborne Parish south portion	05	0400CST-0800CST			0	0	?	?	Flash Flood
Union Parish south portion	05	0500CST-1000CST			0	0	?	?	Flash Flood
Lincoln Parish entire parish	05	0500CST-1000CST			0	0	5	?	Flash Flood
Jackson Parish north portion	05	0500CST-1000CST			0	0	5	?	Flash Flood
Ouachita Parish entire parish	05	0500CST-1000CST			2	0	7	?	Flash Flood
Morehouse Parish south portion	05	0530CST-1000CST			0	0	5	?	Flash Flood
									Intense thunderstorms swept across north Louisiana during the night. Hail and damaging straight-line winds were reported across the northwest sections of the state. A tornado touched down along an intermittent path between Spring Ridge and Keithville, downing trees and power lines. The thunderstorms in northwest and north-central sections also produced copious amounts of rain. Between 5 and 10 inches of rain fell in a 50-mile swath from Shreveport to the southwest corner of Morehouse Parish. The largest rainfall totals were in Lincoln and Ouachita parishes where 10 to 12 inches of rain were recorded in a 24 hour period ending at 0600CST on the 5th. Numerous roadways and houses were flooded in the area of heavy rain and evacuations of homes occurred in Ruston, Monroe, and Shreveport. Interstate Highway 20 was closed because of flooding between Monroe and Ruston. Two fatalities occurred due to flash flooding in Ouachita Parish, one near the intersection of U.S. Highway 80 and Breton Road and the second on LA Highway 557 in southwest Ouachita Parish. Both victims were in automobiles attempting to cross flooded roadway but were swept away by the water. The deaths occurred between 0700CST and 0830CST. M56V, M34V.
									The combined damage in the Monroe area from the hail storm on May 4th and heavy rain on the 5th was enough for the governor to declare a state of emergency in Ouachita Parish. As of July 1, 1989, federal assistance for the parish and citizens was around \$3.6 million, and private insurance companies were estimating claims from the two severe weather events to surpass \$130 million in the Monroe area.
Vernon Parish, entire parish	05	0130CST-0200CST			0	0	?	?	TSTM Wind
Beauregard Parish, Ragley	05	0140CST			0	0	?	?	TSTM Wind
Calcasieu Parish, West Lake	05	0200CST			0	0	?	?	TSTM Wind
Sulphur	05	0200CST			0	0	?	?	TSTM Wind
Allen Parish, Kinder	05	0215CST			0	0	?	?	TSTM Wind
Jefferson Davis Parish, east portion	05	0220CST-0240CST			0	0	?	?	TSTM Wind
4 S Jennings	05	0230CST	0.4	35	0	0	3	?	Tornado(F1)
Acadia Parish, entire parish	05	0245CST-0314CST			0	0	?	?	TSTM Wind

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
LOUISIANA										
Lafayette Parish, Lafayette	05	0310CST			0	0	?	?	TSTM Wind	
St. Landry Parish, Port Barre	05	0315CST			0	0	3	?	TSTM Wind	
Iberia Parish, New Iberia	05	0350CST			0	0	?	?	TSTM Wind	
St. Martin Parish, St. Martinville	05	0400CST			0	0	?	?	TSTM Wind	
St. Mary Parish, Franklin	05	0435CST			0	0	3	?	TSTM Wind	
East Baton Rouge Parish, Baker	05	0440CST			0	0	?	?	TSTM Wind	
St. Helena Parish, 5 SE Greensburg	05	0450CST			0	0	?	?	TSTM Wind	
Tangipahoa Parish, Amite	05	0500CST			0	0	?	?	TSTM Wind	
St. Tammany Parish, Robert	05	0505CST			0	0	?	?	TSTM Wind	
Folsom	05	0515CST			0	0	?	?	TSTM Wind	
Washington Parish, Spring Hill	05	0520CST			0	0	?	?	TSTM Wind	
										A line of severe thunderstorms moved out of east Texas early on May 5th and swept rapidly across the southern third of the state bringing damaging thunderstorm wind gusts to many locales. The thunderstorms were spawned by the same storm system which brought severe weather to the northern sections of the state during the night and previous day. Barns were damaged or destroyed near Ragley, St. Martinville, and Spring Hill. A mobile home was damaged when a tornado touched down south of Jennings. In Franklin, two plate glass, store front windows were blown out by wind gusts estimated around 85 miles an hour. Most of the remainder of damage was confined to downed trees, utility poles, and power lines. Winds gusts of 65 mph (48 knots) and 53 mph (47 knots) were reported from the middle of the Lake Ponchartrain Causeway and New Orleans's Lakefront Airport (NEW), respectively, when the squall line moved through the New Orleans area between 0540 CST and 0550 CST.
Lincoln Parish, 2 S Dubach	09	0420CST			0	0	?	?	Hail (1.00)	
Ouachita Parish, 3 W Monroe	09	0428CST			0	0	?	?	Hail (0.88)	
Richland Parish, 2 W Alto	09	0432CST			0	0	?	?	Hail (0.88)	
Jackson Parish, 1 E Chatham	09	0439CST			0	0	?	?	Hail (1.00)	
Caddo Parish, Rodessa	09	0910CST			0	0	?	?	Hail (1.00)	
Mira	09	0920CST			0	0	?	?	Hail (1.75), TSTM Wind (54)	
Bossier Parish, 3 N Benton	09	0930CST			0	0	?	?	Hail (1.75)	
5 NE Benton	09	0945CST			0	0	?	?	Hail (1.75)	
Webster Parish, Dixie Inn	09	1020CST			0	0	?	?	Hail (1.00)	
Caddo Parish, Dixie	09	1030CST			0	0	?	?	Hail (0.75)	
Bossier Parish, Filmore	09	1042CST			0	0	?	?	Hail (0.88)	
Bienville Parish, 5 E Jamestown	09	1045CST			0	0	?	?	TSTM Wind	
Jackson Parish, Wyatt	09	1048CST			0	0	?	?	TSTM Wind	
										Severe thunderstorms moved into north-central Louisiana in the early morning hours, producing large hail in a few locations. Later in the morning, a line of severe thunderstorms moved into northwest Louisiana producing large hail at scattered locations and thunderstorm wind gusts which downed trees at several locals.
Sabine Parish, Joaquin	13	2000CST			0	0	4	?	TSTM Wind	
										Thunderstorm wind gusts destroyed a barn and downed several trees.
Calcasieu Parish, 15 NW Lake Charles	14	1354CST	0.5	35	0	0	0	0	Tornado (F1)	
										A pilot reported a tornado over open country northwest of Lake Charles. No damage was reported.
LAZ002-003-005-006-007-008-009	15	0600CST-19 0600CST							Heavy Rain	
										During this four-day period rainfall totals of 6 to 10 inches were common over all but extreme north and far south-central and southeast Louisiana with 10 to 15 inches of rain recorded in the southwest and west-central areas. The rains caused flash flooding and extensive lowland flooding. See events which follow.
Bienville Parish, Ringgold	15	1240CST			0	0	?	?	Hail (0.75)	
Bossier Parish, 4 NE Rocky Mount	15	1500CST			0	0	?	?	Hail (1.00)	
Sarepta	15	1505CST			0	0	?	?	Hail (0.88)	
										Intense thunderstorms produced hail at a few locales in northwest Louisiana.
LOUISIANA										
Caddo Parish, Blanchard	16	0710CST			0	0	?	?	Hail (1.00)	
Oil City	16	0710CST			0	0	?	?	Hail (1.00)	
Bossier Parish, Benton	16	0723CST			0	0	?	?	Hail (0.88)	
Webster Parish, 3 W Dixie Inn	16	0748CST			0	0	?	?	Hail (1.75)	
Caddo Parish, N. Shreveport	16	0905CST			0	0	?	?	TSTM Wind	
Cross Lake	16	0905CST			0	0	?	?	TSTM Wind	
Oil City	16	0905CST			0	0	0	0	Funnel Cloud	
Sabine Parish, 5 SW Zwolle	16	0925CST			0	0	?	?	Hail (1.75)	
6 S Mansfield	16	1025CST			0	0	?	?	Hail (1.75)	
5 E Converse	16	1050CST			0	0	?	?	Hail (1.75)	
Natchitoches Parish, Robeline	16	1005CST			0	0	?	?	Hail (1.00)	
Natchitoches Parish, entire parish	16	0900CST-1600CST			0	0	?	?	Flash Flood	
Sabine Parish, north portion	16	0900CST-1600CST			0	0	?	?	Flash Flood	
DeSoto Parish, south portion	16	0900CST-1900CST			0	0	?	?	Flash Flood	
										Severe thunderstorms brought large hail, widespread heavy rain, and damaging thunderstorm wind gusts to northwest and west-central Louisiana. Three to five inches of rain fell during the morning hours of the 16th. Flooding of roadways caused by the heavy rainfall was widespread across north Sabine and southern DeSoto and Natchitoches Parishes. Thirty families were evacuated from the homes in Natchitoches Parish. Water was nearly 3 feet deep on some roads in the communities of Converse and Zwolle.
Rapides Parish, Tioga	16	1335CST			0	1	3	?	TSTM Wind	
Pineville	16	1345CST			0	0	?	?	Hail (1.00), TSTM Wind	
Estler Airport (ESF)	16	1358CST			0	0	?	?	Hail (1.50)	
Catahoula Parish, Book	16	1440CST			0	0	?	?	Hail (1.75)	
Concordia Parish, Slocum	16	1505CST			0	0	?	?	Hail (1.75)	
										A severe thunderstorm moved out of the intense convective activity over west-central Louisiana into east-central sections, moving from northwest of Alexandria to southern Concordia Parish, with large hail and thunderstorm wind gusts which damaged trees. The most significant damage occurred near Tioga where several windows were blown out by thunderstorm downburst winds estimated at 80 miles an hour. One person suffered injuries from the flying glass.
East Baton Rouge Parish, Scotlandville	16	1900CST			0	0	3	?	TSTM Wind	
Ryan Field (BTR)	16	1910CST			0	0	?	?	Hail (1.00)	
										A severe thunderstorm developed just north of Baton Rouge and produced wind gusts which downed trees and power lines in the Scotlandville area and produced hail at the airport.
Natchitoches Parish, Marthaville	17	1535CST			0	2	4	?	TSTM Wind	
Vowell Mills	17	1559CST	5.0	50	0	0	?	?	Tornado (F1)	
Flora	17	1559CST			0	0	?	?	TSTM Wind	
Provenca	17	1605CST	2.0	40	0	0	4	?	Tornado (F1)	
Natchitoches Parish, Cloutiersville	17	1615CST			0	2	4	?	TSTM Wind	
Winn Parish, 18 W Winnfield	17	1655CST	0.2	30	0	0	?	?	Tornado (F1)	
St. Maurice	17	1643CST			0	0	?	?	TSTM Wind	
DeSoto Parish, parish wide	17	1650CST	0.2	30	0	0	?	?	Tornado (F1)	
Red River Parish, parish wide	17	1800CST-18 0200CST			0	0	?	?	Flash Flood	
Sabine Parish, parish wide	17	1800CST-18 0200CST			0	0	?	?	Flash Flood	
Winn Parish, west portion	17	1800CST-18 0200CST			0	0	?	?	Flash Flood	
Bienville Parish, Bienville	17	2000CST			0	0	6	?	Lightning	
Winn Parish, Dodson	17	2140CST			0	0	?	?	TSTM Wind, Hail (1.75)	
Jackson Parish, Chatham	17	2145CST			0	0	?	?	Hail (2.00)	
Caldwell Parish, Grayson	17	2200CST			0	0	?	?	TSTM Wind	
Lincoln Parish, Ruston	17	2215CST			0	0	?	?	TSTM Wind	
Jackson Parish, 12SE Chatham	17	2310CST			0	0	?	?	Hail (1.75)	
										Severe thunderstorms and torrential rainfall again developed over west-central Louisiana during the afternoon and evening hours of the 17th. The most significant damage occurred in Natchitoches Parish. Thunderstorm winds heavily damaged two mobile homes near Marthaville, causing two injuries. A tornado skipped along an intermittent five path near Vowell Mills destroying five mobile homes. Fortunately most of the tornado's trek was through the unpopulated area of Kisatchie National Forest. Near Provenca, five homes suffered significant damage when a tornado touched down, and near Natchitoches, two persons were injured when a thunderstorm wind downburst damaged an apartment building. Near Cloutiersville, a tornado touched down

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

LOUISIANA

<p>damaging two house roofs, a store, and a mobile home. Lightning struck the Bienville High School during the evening, starting a fire which caused 500,000 dollars damage, and effectively ending the school year several weeks early. In addition, torrential rains of 6 to 11 inches occurred over the west-central and northwest Louisiana parishes of Sabine, Red River, Natchitoches, and Winn, causing many roadways throughout the parishes to be covered with flood waters. All highways and roads in Sabine Parish were under water and impassable during the evening, two highway bridges were washed out in Natchitoches Parish, and U.S. Highways 167 and 84 were closed in Winn Parishes due to flooding. Around 2300CST, 15 cars of a freight train derailed near Coushatta as heavy rain washed out the track bed. Evacuation of over 90 persons from a nursing home took place near Pleasant Hill.</p>									
Calcasieu Parish, west portion	18	0700CST-1300CST			0	0	?	?	Flash Flood
Allen Parish, entire parish	18	0700CST-1300CST			0	0	?	?	Flash Flood
Beauregard Parish, south portion	18	0700CST-1300CST			0	0	?	?	Flash Flood
Acadia Parish, 3 E Rayne	18	1020CST	1.0	40	0	1	5	?	Tornado (F2)
St. Landry Parish, Opelousas	18	1034CST			0	0	?	?	TSTM Wind
Washington	18	1034CST			0	0	?	?	TSTM Wind
Leonville	18	1122CST			0	0	?	?	TSTM Wind
Sunset	18	1134CST			0	0	4	?	TSTM Wind
Grand Coteau	18	1150CST			0	0	?	?	TSTM Wind
Bristol	18	1152CST			0	0	4	?	TSTM Wind
Lafayette Parish, 2 NW Lafayette	18	1027CST	0.4	30	0	0	?	?	Tornado (F1)
5 SW Lafayette	18	1115CST	0.4	30	0	0	?	?	Tornado (F1)
3 SW Lafayette	18	1315CST			0	0	4	?	TSTM Wind
Calcasieu Parish, Vinton	18	1120CST	0.4	30	0	0	?	?	Tornado (F1)
St. Martin Parish, 2 N Parks	18	1155CST			0	0	4	?	TSTM Wind
Breaux Bridge	18	1400CST			0	0	4	?	TSTM Wind
Iberville Parish, Maringouin	18	1310CST			0	0	?	?	TSTM Wind
Point Coupee Parish, New Roads	18	1310CST			0	0	?	?	TSTM Wind
East Baton Rouge Parish, 7 NE Baton Rouge	18	1315CST			0	0	?	?	TSTM Wind
Zachary	18	1330CST			0	0	?	?	TSTM Wind
West Baton Rouge Parish, 4 NW Port Allen	18	1323CST			0	0	4	?	TSTM Wind
Iberia Parish, 4 S New Iberia	18	1355CST	0.3	30	0	1	4	?	Tornado (F1)
East Feliciana Parish, 1 E Clinton	18	1430CST	3.0	40	0	0	5	?	Tornado (F2)
Livingston Parish, north portion	18	1637CST			0	0	?	?	TSTM Wind
Tangipahoa Parish, northwest portion	18	1700CST			0	0	?	?	TSTM Wind
Washington Parish, Enon	18	1745CST			0	0	?	?	TSTM Wind
Bogalusa	18	1800CST			0	0	?	?	TSTM Wind
<p>The intense thunderstorm activity which had plagued west-central Louisiana the previous evening continued to shift southward into southwest Louisiana producing rainfall amounts of 5 to 10 inches during the morning hours from the Vinton and Lake Charles area northeast in a narrow band to just south of Alexandria. Flash flooding of streams and bayous occurred in western and northern Calcasieu Parish, southern Beauregard Parish, and Allen Parish. Many roadways and homes were flooded, and evacuation of approximately 25 families took place in DeQuincy during the morning. The thunderstorms began to move eastward during the morning hours bringing damaging thunderstorm wind gusts and several tornadoes to south-central and southeast Louisiana. The greatest damage occurred from the Lafayette and New Iberia areas to north and northeast of Baton Rouge. A tornado touched down near Rayne, damaging five houses, 10 mobile homes, and a race track, and causing one injury. Other short-lived tornadoes touched down in the Lafayette area, damaging a mobile home and a number of house roofs. Several mobile homes were damaged by thunderstorm wind gusts or falling trees in Sunset and Bristol. Thunderstorm wind gusts or downbursts caused extensive damage to trees, utility lines, utility poles, and roofs in the remainder of St. Landry Parish, and also in St. Martin Parish. Near the Port of New Iberia, a tornado touched down, damaging a mobile home and causing a minor injury. Near Clinton, a tornado destroyed a two-story home and three mobile homes. Fortunately, no injuries were reported. Most of the remainder of the damage reported in southeast Louisiana was confined to downed trees, utility lines, and utility poles.</p>									
LA2007-011	18	1200CST-27 2400CST			0	0	?	?	Flooding
Beauregard, Calcasieu, Vernon Parishes	<p>Widespread heavy rainfall over the Sabine River basin in Texas and Louisiana from May 15th through 18th caused Toledo Bend Reservoir to reach near-record stages on the 18th. Record releases from the reservoir caused extensive lowland flooding from the dam downstream to Sabine Lake. Many hunting and fishing cabins and camps were flooded, especially in Vernon Parish.</p>								

LOUISIANA

Bossier Parish, Benton	22	2335CST			0	0	?	?	TSTM Wind
Thunderstorm winds downed trees.									
Washington Parish, Angie	23	2110CST			0	0	3	0	TSTM Wind
Thunderstorm downburst winds knocked down several trees and ripped large branches from trees. A car was damaged by the falling trees.									
17 MAINE									
MEZ010-012-013	11-14				0	0	6	0	Flood
Western Foothills, Central Interior, and Southwest Interior	<p>A low pressure system stalled over New York state, causing a strong southeast flow over northern New England for several days. During that period of time heavy rains pounded Maine. Watches and warnings were posted for the appropriate sections of Maine in which flooding was expected. These watches and warnings were effective as there was no loss of life, or reported injuries due to the flood. Damage was heavy over five counties in particular, and a Federal Disaster was declared for these five which were Oxford, worst hit of the five having incurred \$537,000 in damage alone, and Cumberland, Androscoggin, Franklin and Kennebec. The total damage to public property was estimated at \$1.34 million, and to private property was \$250,000. Damage consisted mainly of numerous washed-out roads and scores of similarly washed-out bridges of various size. Mud slides were noted at about 10 locations in the Western Foothills section of the state. Rainfall amounts in the most affected counties of the state included: Oxford County with from 1 inch in the north to 6 inches in the south, Cumberland County with 5 to 7 inches countywide, Androscoggin County with 4.5 to 6.5 inches countywide, Franklin County with up to 5 inches, and Kennebec County with 2 to 4 inches. In the Downeast area of Maine, flooding was not a problem, but it is noteworthy that northeast Hancock County and most of Washington County received rainfall amounts of up to 6 inches during the period of May 12th through the 14th.</p>								
18 MARYLAND and D.C.									
MDZ007	1-2	All Day			0	0	?	?	Heavy Rain
North-Central MD	<p>Heavy rains fell in 1 to 2 inches in amount in Frederick and Hagerstown. A number of traffic accidents occurred due to wet roads.</p>								
District of Columbia	5-6	All Day			0	0	?	?	Heavy Rain
State of MD	<p>1 0 ? ? River Flooding 0 0 ? ? Thunderstorm winds</p> <p>A widespread weather event of heavy rain, river and small stream flooding and destructive thunderstorms struck the entire state of Maryland and the District of Columbia. Rains of 2 to 4 inches were reported, with one report of 6 inches in Pikeville. High winds accompanied the thunderstorms in many areas. High winds struck part of the area again in the afternoon of 6 May as a line of thunderstorms moved through. See the following accounts for more details.</p>								
Prince Georges Co, Laurel	5	1800EST-6 0200EST			0	0	?	?	Flash Flooding
<p>Four to five inches of rain caused the evacuation of an apartment complex in Laurel and local roads were closed.</p>									
Carroll Co.	5	1800EST-6 0200EST			0	0	?	?	Flash Flooding
<p>Rain began on the 5th and fell in amounts of over 3 inches before ending on the 6th. Twenty-six roads were closed due to flooding.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— MARYLAND and D.C. —									
Barford Co.	5 6	1800EST 0200EST			0	0	?	?	Flash Flooding
									Numerous roads and bridges and a state park were closed due to flooding.
Montgomery Co., Ashton	5 6	1800EST- 0200EST			0	0	?	?	Flash Flooding
									Heavy rains resulted in local flooding in Ashton, where 75 to 100 homes had to be evacuated, and 25 roads were closed. Two bridges were also wiped out by high water.
Frederick Co.	5 6	1800EST- 0200EST			0	0	?	?	Flash Flooding
									Small streams in Frederick went out of their banks, and some roads were closed. Rainfall amounts averaged 2 to 3 inches.
Howard Co.	5 6	1800EST- 0200EST			0	0	?	?	Flash Flooding
									Twenty-five roads were reported closed; 20 water rescues were necessary in the area.
Baltimore Co.	5 6	1800EST- 0200EST			0	0	?	?	Flash Flooding
									Four to five inches of rain was reported.
Barford Co., Bel Air	5 6	1800EST- 0400EST			0	0	?	?	Flash Flooding
									Deer Creek overflowed its banks at Rocks Park at 1 am on the 6th; about 90 picnic tables were washed away. At Eden Mill, 4.6 inches of rain was reported within 24 hours.
Anne Arundel Co., Annapolis	5 6	1800EST- 0200EST			0	0	?	?	Flash Flooding
									Over 2 inches of rainfall closed numerous roads.
Caroline Co., Dorchester Co., Talbot Co. and Queen Annes Co.	5 6	1800EST- 0200EST			0	0	?	?	Flash Flooding
									Heavy rains caused spot flooding with local roads covered.
Montgomery Co., Glen Echo Park	5	2030EST			0	0	?	0	Heavy Rains
									Heavy rainfall dislodged the foundations of a parking lot, sending 63 vehicles plunging into a 70 foot long gorge that formed from the rainfall. Nine of the vehicles were then swept all the way into the Potomac River, approximately 400 yards beyond.
Montgomery Co., Wheaton	5	2230EST			1	0	?	?	Flash Flooding
									A woman was swept away and drowned in Wheaton Creek after she got out of her stalled car. F500
Baltimore Co., Baltimore	5	2305EST			0	0	?	?	Thunderstorm Winds (68 kts)
									Strong winds demolished a 75 foot long wall sign, carried a large, reinforced roof into an adjacent field, and downed trees and power lines.
Kent Co.	6	0005EST			0	0	?	?	Thunderstorm Winds
									Power lines and trees were down in the southwest part of the county, and there were reports of strong winds.
Baltimore Co.	6	0130EST			0	0	?	?	River Flooding
									The Patuxent River rose 13 feet above normal at Hammonds Ferry. The Gunpowder River crested 1 to 2 feet above the Loch Raven Dam.
— MARYLAND and D.C. —									
Anne Arundel Co.	6	0200EST			0	0	?	0	River Flooding
									Heavy rain raised river levels. The Patuxent River rose and strong currents tore guardrails off a bridge.
Anne Arundel Co.	6	0300EST- 0800EST			0	0	?	?	Heavy Rain
									A half dozen roads and a couple of bridges were closed for 4 to 6 hours. Numerous basements reported flooded.
Baltimore Co., Texas	6	0300EST- 0800EST			0	0	?	0	Heavy Rain
									A total of 63 police cruisers parked temporarily on a flood plain were under 3 feet of water.
Baltimore Co., Parkville	6	0400EST			1	0	?	?	Flash Flooding
									A man drowned in a creek after being swept away by a fast current. M570
Baltimore Co.	6	1200EST			1	0	?	?	Flash Flooding
									A woman drowned in the Gunpowder River as she attempted to cross on horseback. F360
Frederick Co.	6	1345EST			2	0	?	0	High River Levels
									Three men were fishing from a boat in the Potomac north of Harpers Ferry when the boat capsized from the swift moving waters. One man was pulled from the river, another's body was recovered, and the third was never found, and assumed dead. M330 M380
Montgomery Co., Gaithersburg	6	1530EST			0	0	?	?	Hail (0.75)
Carroll Co.	6	1600EST			0	0	?	?	Thunderstorm Winds
									Power lines and trees were down in the southern part of the county.
Carroll Co.	6	1600EST			0	0	?	?	Small Stream Flooding
									Some roads were closed as small streams flooded.
St. Marys Co., Lexington Park, Leonardtown	6	1635EST			0	0	?	?	Thunderstorm Winds (60kt)
									Strong thunderstorm winds tipped over a trailer, toppled a 35 foot tower and downed trees. A barn in Leonardtown was leveled.
St. Marys Co., White Point Beach	6	1637EST			0	0	?	?	Thunderstorm Wind (50 kts)
									A 15 by 70 foot trailer home was overturned and another mobile home was lifted off its foundation. In White Point Beach, numerous trees were blown down and homes were damaged.
Montgomery Co., Gaithersburg	12	1500EST			0	0	?	?	Hail (0.75)
									Hail accumulated to a depth of 6 inches.
Frederick Co.	16	Evening			0	0	?	?	Minor Flooding
									Two days of rain caused flooding of streams, roads and basements. The peak of the flooding occurred on the evening of the 16th. The rain ended on the morning of the 17th. Nearly 2 inches was reported.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MARYLAND and D.C.									
District of Columbia	23	1430EST			0	0	?	?	Thunderstorm Winds
Prince Georges Co, Fort Washington	23	1430EST			0	0	?	?	Thunderstorm Wind
Bowie	23	1430EST			0	0	?	?	Hail (0.50)
Laurel	23	1500EST			0	0	?	?	Heavy Rain
Baltimore Co, Baltimore	23	2000EST			0	0	?	?	Heavy Rain
Anne Arundel Co, Annapolis	23	2000EST			0	0	?	?	Heavy Rain
									Strong winds were estimated at 70 to 80 mph in Port Washington. Heavy rains associated with the thunderstorms fell in amount of 2.4 inches at Baltimore, causing power outages and street and basement flooding. In Annapolis, many cars were stalled out by 2.4 inches of rain. In Laurel, a road was closed under 2 feet of water. Small hail was reported in Port Washington and Bowie.
Talbot Co, Easton	23	1720EST			0	0	?	?	Thunderstorm Wind
	23	1730EST			0	0	5	0	Lightning
									Strong straight-line winds 2 miles south of Easton broke several windows, some with tree limbs blown through them. Window curtains stood straight out, and clothes were sucked out of closets. An air conditioner was torn out, and shed destroyed. A house along Route 50 was damaged. Trees were uprooted, with many downed in fields. Lightning hit and set afire an antique furniture store, causing \$50,000 damage.
Anne Arundel Co.	23	2030EST			0	0	?	?	Thunderstorm Winds
									Trees were reported down in the southern part of the county.
Calvert Co.	23	2030EST			0	0	?	?	Thunderstorm Winds
									Trees were reported down in the northern part of the county.
Baltimore Co, Baltimore	23	2100EST			0	0	?	?	Heavy Rains
									Numerous streets were closed in Baltimore, and a number of cars were abandoned. Two 4-wheel drive trucks became stuck in high water on a dirt road.
Baltimore Co.	25	0800EST			0	0	?	?	Thunderstorm Winds
									Thunderstorms began in Baltimore and moved across the Chesapeake Bay in the late morning. Winds on the Bay were estimated at 50 knots, and 4 foot waves were reported at Cove Point. Ten vessels were reported capsized by the Coast Guard.
19 MASSACHUSETTS									
MAZALL Entire State	06	0400-1000EST			0	0	5	0	High Winds
									A period of high winds gusting over 40 mph from the south and southeast resulted in scattered power outages statewide. In Boston, scaffolding was blown down from the John Hancock Tower office building, damaging a truck. Recorded, peak wind gusts included 52 mph at Logan International Airport in Boston and 70 mph at the Blue Hill Observatory in Milton.
MAZ005 Springfield and vicinity	24	0000-0900EST			0	0	4	0	Heavy Rain
									Sixteen families were forced to evacuate two apartment buildings when their roofs collapsed after several inches of rain had fallen in a short period of time. Flooding of low-lying areas and roadways was reported.
20 MICHIGAN									
Tuscola County, Gagetown	14	1825EST			0	0	0		Funnel Cloud
									A funnel cloud persisted for 20 to 25 minutes and was photographed. There was a build-up of clouds in the vicinity, but no thunder or rain.
Kent County:									
NW Grand Rapids	25	0120EST			0	0	0		TSTM Wind (56)
Sparta and Meyers Lake	25	0128EST			0	0	0		TSTM Wind
Midland County	25	0130EST			0	0	3		TSTM Wind
Newaygo County:									
countywide	25	0140EST			0	1	2		TSTM Wind
5 WSW White Cloud	25	0143EST	0.6	50	0	0	4		Tornado (F1)
Montcalm County, Stanton	25	0144EST			0	0	2		TSTM Wind
Mecosta County	25	0145EST			0	0	5		TSTM Wind
Muskegon County	25	0145EST			0	0	0		TSTM Wind
Gladwin County	25	0145EST			0	0	5		TSTM Wind
Ionia County	25	0150EST			0	0	2		TSTM Wind
Barry County, Freepport	25	0200EST			0	0	3		Lightning
Gratiot County	25	0215EST			0	0	3		TSTM Wind
Bay County	25	0215EST			0	0	2		TSTM Wind
Clinton County:									
St. Johns countywide	25	0220EST			0	0	0		Hail (1.50)
Ingham County, Lansing	25	0245EST			0	0	0		Hail (1.00)
Eaton County	25	0245EST			0	0	0		Hail (1.00)
Isabella County, Mt. Pleasant	25	0300EST			0	1	4		Lightning
Shiawassee County	25	0300EST			0	0	2		TSTM Wind
Saginaw County	25	0300EST			0	0	3		TSTM Wind
Ingham County, Mason	25	0310EST			0	0	0		Hail (1.00)
Cass County:									
Dowagiac	25	0320EST			0	0	5		Lightning
northern Cass Co.	25	0334EST			0	0	4		TSTM Wind
Livingston County	25	0340EST			0	0	2		TSTM Wind
St. Joseph County	25	0340EST			0	0	4		TSTM Wind
Calhoun County	25	0400EST			0	0	2		TSTM Wind
									A man was injured when a falling tree smashed the windshield of the truck he was driving in Hesperia. A funnel cloud aloft seen over Hesperia touched down as a tornado a few minutes later along the shore of Robinson Lake, uprooting about 35 trees and damaging several houses. Trees were blown down and there was minor damage to buildings throughout the area. An apparent downburst in Mecosta County produced winds estimated in excess of 80 mph. Several persons were injured driving cars into fallen trees.
Chippewa County, Sault Ste. Marie	25	0335EST			0	0	3		TSTM Wind (65)
									The strongest measured gust was at the Soo Locks. A seiche occurred above the locks at the time of the strongest wind. A house was damaged by a falling tree. Five small boats sank at Sugar Island.
Montcalm County, Howard City	29	2230EST			0	0	4		Lightning
									A house and barn were set afire.
Ottawa County, Jenison	29	2318EST			0	0	0		TSTM Wind (57)
Huron County, 3 E Unionville	30	0130EST			0	0	4		Lightning
									A house was destroyed by fire.
Huron County, Ulby	30	0130EST			0	0	3		TSTM Wind
									Two silos were unroofed and several large limbs were broken off.
Ionia County, Lyons	30	0330EST			0	0	4		Lightning
									A farm building and its contents were burned.
Van Buren County, 1 E Grand Junction	30	1704-1715EST	8.0	60	0	0	3		Tornado (F1)
									The roof was torn off of a building near the point of touchdown. The tornado was observed on the ground through open fields along the rest of the track.
Van Buren County, 3.5 W Bloomingdale	30	1725EST	1.0	50	0	0	4		Tornado (F2)
									A funnel was seen aloft earlier by several observers northeast of Bangor. At the touchdown point the tornado destroyed a concrete block garage, a car, and other contents.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MICHIGAN									
Van Buren County, 6 ESE Bangor to 2 NW Gobles	30	1725EST			0	0	0	0	Funnel Cloud
A funnel cloud was closely tracked by trained spotters, but apparently never touched down to become a tornado.									
Van Buren County, 3 E South Haven to Allegan County, 1 S Pearl	30	1730- 1745EST	10.2	100	0	0	0	5	Tornado (F2)
A tornado touched down briefly in Van Buren County, lifted, then touched down again 4 miles west-southwest of Pullman and moved in a continuous path. Several grain elevators were crushed and windows were blown out of buildings.									
Kalamazoo County	30	1750EST			0	0	3		TSTM Wind (52)
Calhoun County	30	1805EST			0	0	3		TSTM Wind (55)
Jackson County	30	1829EST			0	0	4		TSTM Wind
Washtenaw County	30	1849- 1928EST			0	0	4		TSTM Wind (52)
Lenawee County	30	1917EST			0	0	4		TSTM Wind
Jackson County	30	1930EST			0	0	0		Hail (0.75)
Monroe County	30	1940- 1955EST			0	0	4		TSTM Wind (52)
Wayne County	30	1945- 2022EST			0	0	2		TSTM Wind (56)
Many large trees were blown over, one fell onto a truck. Another truck was blown off of Interstate 94 near Kalamazoo. Several buildings were damaged. Damage was especially heavy in southwestern Calhoun County. There were narrow paths of severe straight-line wind damage, with many trees down and some buildings damaged just north of Brooklyn, in and just west of Manchester, in the University of Michigan Arboretum in Ann Arbor, near Deerfield, and just south of Dundee. The track near Manchester was found by aerial reconnaissance to be 10 miles long and 1/2 mile wide.									
Van Buren County, 2 S Gobles to Allegan County, 2 SE Otsego	30	1904- 1920EST	10.3	60	0	0	0	2	Tornado (F1)
The tornado was observed knocking down trees at its touchdown point. Several trained spotters observed it in contact with the ground farther along the track as it moved through open fields.									
Eaton and Ingham Counties	31	1630EST			0	0	4	3	Flash Flood
Basements were flooded and roads washed out.									
Mecosta and northwestern Montcalm Counties	31	1700EST			0	0	3		TSTM Wind
Three barns and at least 100 large trees were knocked down. There were several narrow paths of more severe damage.									
Branch County, 3 SW California to Quincy	31	1710EST	11.7	50	0	1	5		Tornado (F1)
The tornado was observed touching down in an orchard where many trees were uprooted. It then skipped north-northeastward through open fields and damaged a farm house south of Quincy. It turned to the east-northeast as it moved into the southeast part of Quincy, unroofed an apartment building and knocked down several trees.									
Ionia County, Lake Odessa Calhoun County countywide	31	1725EST			0	0	2		TSTM Wind
2 E Albion	31	1735- 1755EST			0	0	4		TSTM Wind
Jackson County, Parna	31	1745EST			0	0	0		Hail (1.00)
Hillsdale County	31	1800EST			0	0	0		Hail (0.75)
31 1825- 1900EST	31	1825- 1900EST			0	0	0		TSTM Wind
Large trees, power lines, and outbuildings were knocked down. Several cars were damaged. There were several narrow tracks of more severe damage.									
Oakland County	31	1910EST			1	1	0		Lightning
A boater was killed on Elizabeth Lake. Another man was injured as he stood near his car. M400.									
Wayne County, Wyandotte	31	1945EST			0	0	0		Hail (0.75)
Oakland County	31	1945EST			0	0	2		TSTM Wind
Washtenaw County, Dixboro	31	2018EST			0	0	4		TSTM Wind
Wayne County, Wyandotte and Trenton	31	2040EST			0	0	2		TSTM Wind (52)
Large trees were blown down and several buildings were damaged.									
21 MINNESOTA									
Wadena County	22	1630CST			0	0	?	?	Thunderstorm Wind
Scattered damage occurred across the city of Verndale. Several pole barns at a lumber yard were blown down. A mobile home parked at the lumber yard was blown off its foundation. Also, several windows and doors were blown out, and scattered trees were downed around the city. Winds were estimated at 65 mph.									
Todd County	22	1630CST			0	0	?	?	Thunderstorm Wind
Three miles south of Verndale a 34'x60' dairy barn gave way to strong winds. In addition, at least a dozen trees lining the farm were toppled, and roof damage was done to most other structures located on the premises. Winds were estimated at 70 mph.									
Rice County	23	1705CST			0	0	?	?	Hail (2.75)
Golfball to baseball size hail was reported on Interstate 35 from east of Millersburg to the junction with Minnesota Highway 19. Reports of golfball size hail were also received from Northfield and Webster.									
Rice County: Northfield Lonsdale	23	1710CST			0	0	?	?	Hail (2.75)
23 1722CST	23	1722CST			0	0	?	?	Hail (0.75)
Goodhue and Dakota Counties	23	1725CST			0	0	?	?	Hail (2.75)
Golfball to baseball size hail fell along the Dakota-Goodhue county line near Randolph.									
Rice County	23	1734CST			0	0	?	?	Hail (2.75), Funnel Cloud
Hail of marble to baseball size fell in and around Northfield for a second time. One of several car dealerships sustained approximately \$40,000 in damage. Skywarn severe weather spotters reported a funnel cloud north of the St. Olaf campus and sirens were sounded.									
Goodhue County	23	1740CST			0	0	?	?	Hail (1.00)
There were widespread reports of hail covering the ground between Cannon Falls and Red Wing.									
Pipestone County	23	1810- 1830CST			0	0	?	?	Hail (1.75+)
A swath of large hail and torrential rains caused considerable crop damage from west of Ihlen, east to Edgerton. Hail of marble to greater than golfball size pounded the region along with bursts of heavy rain. Rainfall amounts varied from 2 to 6 inches. Some larger hail was reported east of Ihlen where hailstones still measured one and three-quarters inches in diameter two hours after they initially fell.									
Martin County, East Chain	23	1810CST			0	0	?	?	Hail (2.50)
Nobles County	23	1814CST			0	0	?	?	Thunderstorm Wind (57)
Thunderstorm wind gusts to 65 mph were recorded by KWQA in Worthington.									
Pipestone County	23	1820CST			0	0	?	?	Hail (1.75)
Hail struck 6 miles southwest of Pipestone twice from 1820 to 1850 CST. Heavy rains of 3 to 4 inches also added to the crop damage in the area. Hail caused only minor damage to buildings, mostly cracked or broken windows. Just west of Ihlen one area received four different shots of hail with one lasting 25 minutes. This longest shot carried the largest hail of up to golfball size. An estimated 1000 to 3000 acres need to be replanted. Most of this damage was in a three mile long strip from Ihlen to Edgerton.									
Faribault and Martin Counties	23	1830CST			0	0	?	?	Hail (1.75)
A state trooper reported hail of up to golfball size along Interstate 90 from six miles east of Fairmont to east of the Faribault-Martin county line.									
Nobles County	23	1908- 1930CST			0	0	?	?	Hail (1.75)
A mix of hail, strong thunderstorm winds and heavy rain caused extensive damage to about 48,000 acres of farm cropland. Estimates of \$750,000 in crop losses were assessed. The worst damage was in a path five miles wide and 15 miles long north and east of a line from Wilmont to Worthington. Minor property damage was reported in Worthington which included roof and window damage. In addition, many trees and power lines were downed. Rainfall amounts varied from one to three inches across the damage path.									
Hennepin County	23	1900- 1930CST			0	0	?	?	Lightning
Four minor fires were started by lightning strikes in the Eden Prairie and Champlin areas.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MINNESOTA									
Hennepin County, Independence	23	1930CST			0	0	?	?	Hail (0.75)
Martin County	23	1945CST			0	0	?	?	Thunderstorm Wind (58)
									Minor wind damage occurred in and around Fairmont dur to thunderstorm winds clocked at 67 mph.
Steele County	23	2115CST			0	0	?	?	Thunderstorm Wind
									Estimated winds in the 50 to 70 mph range near Ellendale, 14 miles north of Albert Lea, caused minor structural damage to some farm buildings and sheds in the area.
Stearns County: Sauk Centre	24	0750CST			0	0	?	?	Hail (0.75)
Melrose	24	0803CST			0	0	?	?	Hail (1.75)
Crow Wing County	24	1015CST			0	0	?	?	Hail (1.75), Thunderstorm Wind
									Much of the Cuyuna Range around Crosby-Ironton was without power due to heavy wind damage. Trees estimated at at least 100 in number were downed in town, and more were downed north of town. Much of the property damage was caused by the falling trees. Heavy rains also caused problems such as standing water at many intersections. Golfball size hail fell along Sorenson Lake Road, but marble size hail was most common in Crosby, heavy enough to completely cover lawns.
Renville County, W Olivia	24	1055CST			0	0	?	?	Hail (1.75)
Cass and Crow Wing Counties	24	1125CST			0	0	?	?	Hail (1.75)
									Golfball size hail was reported at Pequot Lakes and Breezy Point.
Pine County	24	1413CST			0	0	?	?	Hail (1.75), Thunderstorm Wind (79)
									WCMP radio in Pine City recorded a thunderstorm wind gust to 91 mph. They also recorded 2.43 inches of rain in 90 minutes. The storm also dropped one and three-quarter inch diameter hail on Pine City.
Pine County	24	1451CST			0	0	?	?	Thunderstorm Wind (50)
									Thunderstorm winds of 58 mph were recorded at the Duluth airport. Heavy rain, as much as three inches, fell in a 12 minute period, causing damage to roads, sewers and culverts. Preliminary estimates reflect \$5000 to \$15,000 in damages.
Olmstead County, Rochester Airport	24	1505CST			0	0	?	?	Hail (0.75)
Dodge County, Hayfield	24	1506CST			0	0	?	?	Hail (1.00)
Sibley County	24	1600CST	6.0	40	0	0	?	?	Tornado (F1)
									A tornado touched down in sections of Washington Lake and Foxon townships in the north-northeast corner of the county. During its first contact with the ground it did major damage to several buildings; killing 50 hogs. In total, the tornado inflicted damage to 10 structures; six received heavy or major structural damage, three houses received lesser damage, and one barn was totally destroyed.
McLeod County	24	1624CST			0	0	?	?	Funnel Cloud
									There were thirty-five Plato law enforcement agency reports of a funnel cloud.
Nicollet County: Norseland	24	1624CST	0.1	10	0	0	?	?	Tornado (F0)
W of St. Peter	24	1630CST			0	0	0	0	Funnel Cloud
W edge of St. Peter	24	1645CST	0.3	15	0	0	?	?	Tornado (F0)
									The brief touchdown of a tornado was reported near Norseland at 1624CST. A funnel cloud was observed north of St. Peter at 1630 CST. At 1645CST, a tornado touched down on the west edge of St. Peter and did minor damage to trees and outbuildings.
Nicollet County: near New Sweden	24	1716CST			0	0	0	0	Funnel Cloud
4N Traverse	24	1720CST			0	0	0	0	Funnel Cloud
2S Traverse	24	1720CST			0	0	0	0	Funnel Cloud
Blue Earth County: near St. Clair	24	1717CST			0	0	0	0	Funnel Cloud
near Madison Lake	24	1718CST			0	0	0	0	Funnel Cloud
Scott County	24	1720CST			0	0	?	?	Thunderstorm Wind (61)
									Thunderstorm winds of 70 mph caused damage to six homes in New Prague; one had the roof blown off.
MINNESOTA									
Faribault County, near Wells	24	1727CST			0	0	0	0	Funnel Cloud
Blue Earth County	24	1730CST			0	0	?	?	Thunderstorm Wind
									Thunderstorm winds damaged and downed trees and power lines at scattered locations between Mankato and Mapleton.
Nicollet County	24	1730CST	0.1	10	0	0	1	0	Tornado (F0)
									A tornado touched down briefly north of St. Peter. Tree damage and minor vehicle damage occurred due to flying debris.
Rice County	24	1740CST			0	0	?	?	Thunderstorm Wind
									Wind gusts estimated at up to 60 mph caused minor damage at Shieldsville.
Freeborn County	24	1747CST	0.1	10	0	0	?	?	Tornado (F0)
									A tornado touched down briefly north of Hartland. It continued as a funnel aloft to southeast of Clarks Grove.
Freeborn County	24	1753CST	0.1	10	0	0	?	?	Tornado (F0)
									A tornado touched down briefly west of Alden. It continued as a funnel aloft to northwest of Albert Lea.
Freeborn County	24	1803CST	0.3	15	0	0	?	?	Tornado (F0)
									A funnel cloud observed just west of Manchester became a tornado as it touched down on the Albert Lea airport located on the north side of Albert Lea. Wind gusts of 109 mph were observed on the airport wind equipment during the tornado. The tornado lifted at about 1805 CST.
Steele County: near Hope	24	1803CST	0.1	10	0	0	?	?	Tornado (F0)
SW of Blooming Prairie	24	1806CST			0	0	0	0	Funnel Cloud
									A brief tornado touchdown was observed near Hope.
Freeborn County	24	1810CST	1.0	20	0	0	?	?	Tornado (F1)
									A funnel cloud observed west of Albert Lea, touched down intermittently as a tornado across southern sections of Albert Lea, causing damage estimated at more than \$200,000.
Freeborn County	24	1815CST			0	0	0	0	Funnel Cloud
									A funnel cloud passed over Glenville and continued to north of Myrtle, about 5 miles south of Albert Lea.
Freeborn County	24	1822CST			0	0	?	?	Thunderstorm Wind
									Thunderstorm winds downed trees and power lines in the vicinity of Maple Island.
Freeborn County, near Hayward	24	1822CST			0	0	0	0	Funnel Cloud
Rice County	24	1845CST			0	0	?	?	Thunderstorm Wind, Hail (2.75)
									Thunderstorm winds and hail caused mostly minor damage to trees, signs and buildings around Austin. A roof top air conditioner at a nursing home was overturned by the winds, causing damage to the roof. Some hailstones were as large as baseballs.
Todd County, near Staples	29	1040CST			0	0	?	?	Hail (0.75)
Morrison County, near Motley	29	1050CST			0	0	?	?	Hail (1.75)
Crow Wing County	29	1100CST	0.1	10	0	0	?	?	Tornado (F0)
									A tornado briefly touched down along the southwest shore of Platte Lake, 10 miles southwest of Garrison. A boat dock was lifted out of the water and overturned. Also, a canoe was overturned by the strong winds, but no injuries were sustained. There were some trees downed.
Crow Wing County, 11S Brainerd	29	1110CST			0	0	?	?	Hail (0.75)
Stearns County, Sauk Centre	29	1130CST			0	0	?	?	Hail (0.75)
Douglas County	29	1150CST			0	0	?	?	Thunderstorm Wind (60), Hail (1.75)
									Hail and strong winds were reported west-northwest of Alexandria between Brandon and Garfield.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MINNESOTA									
Crow Wing County	29	1200-1230CST			0	0	?	?	Funnel Clouds, Hail (1.50)
									Several funnel clouds and marble to ping pong ball size hail were observed in the Platte Lake area. At the junction of County Roads 2 and 23, a lot of marble size hail formed 2 to 3 inch drifts as a result of the heavy runoff.
Crow Wing County, 20SE Brainerd	29	1210CST			0	0	?	?	Hail (1.50)
Crow Wing County	29	1210CST			0	0	?	?	Thunderstorm Wind, Hail (1.00)
									Trees were toppled by winds and one inch diameter hail fell three miles west of Pine Center.
Benton County, Rice	29	1210CST			0	0	?	?	Hail (0.75)
Kanabec County, Woodland	29	1215CST			0	0	?	?	Hail (0.75)
Stearns County	29	1225CST			0	0	?	?	Thunderstorm Wind
									Trees and power lines were downed. Power was lost at the St. Cloud weather office for several hours.
Stearns County	29	1229CST			0	0	?	?	Thunderstorm Wind (58)
									Wind gusts to 65 mph were clocked 5 miles east of Foley.
Hennepin County: St. Bonifacius area	29	1312CST			0	0	?	?	Hail (1.50)
Orono	29	1320CST			0	0	?	?	Hail (1.50)
Wayzata	29	1320CST			0	0	?	?	Hail (1.50)
Lake Minnetonka	29	1320CST			0	0	?	?	Hail (1.50)
									Ping pong ball size hail was reported at each of the listed locations.
Ramsey County	29	1325CST			0	0	?	?	Thunderstorm Wind
									Thunderstorm winds estimated at 60 to 65 mph by the State Highway Patrol occurred at the junction of Interstates 35 and 694, 9 miles north-northeast of Minneapolis.
Hennepin County, Golden Valley	29	1335CST			0	0	?	?	Hail (0.75)
Washington County: near Hugo	29	1340CST			0	0	?	?	Hail (2.75)
Stillwater	29	1342CST			0	0	?	?	Thunderstorm Winds (58)
									Hail the size of baseballs was observed near Hugo and wind gusts to 65 mph were recorded at Stillwater.
Ramsey County	29	1342CST			0	0	?	?	Thunderstorm Wind (58)
									Winds of 65 mph were observed over North St. Paul.
Dakota County, near Hastings	29	1355CST			0	0	?	?	Hail (0.75)
Wright County	29	1409CST			0	0	?	?	Hail (1.75)
									Marble to golfball size hail was observed in Buffalo.
Anoka County, St. Francis	29	1440CST			0	0	?	?	Hail (1.75)
Wabasha County	29	2208CST			0	0	?	?	Hail (0.75)
									Three-quarter inch diameter hail was reported near the Mississippi River, 7 miles southeast of Wabasha.
Winona County	29	late evening			0	0	?	?	Thunderstorm Wind
									Winds ripped off a roof and toppled trees in Winona. The falling trees damaged cars and structures.
Martin County, near Granada	30	0625CST			0	0	?	?	Hail (1.75)
Faribault County	30	0625-0700CST			0	0	?	?	Hail (2.75)
									Reports of hail anywhere from pebble to baseball size were received, including one unconfirmed report of softball size hail. The area north of Blue Earth to Winnebago and west to Granada received the brunt of the storm.
Freeborn County, near Twin Lakes	30	0725CST			0	0	?	?	Hail (1.75)
Houston County	30	0730CST			0	0	0	0	Funnel Cloud
									The Houston County Sheriffs Department reported a funnel cloud 4.5 miles southwest of Caledonia.
22 MISSISSIPPI									
Newton County, 3S Newton	04	0900CST			0	0	4	0	Thunderstorm Winds
									Wind broke airplane tiedowns and blew a small airplane over.
Warren County, Vicksburg	04	0950CST			0	1	3	0	Thunderstorm Winds
									One woman was injured when a tree was blown over onto her car.
Warren County, 20NW Vicksburg	04	0950CST			0	0	4	0	Thunderstorm Winds
									Several mobile homes were destroyed at Eagle Lake.
Warren County, Vicksburg	04	0956CST			0	0	5	0	Thunderstorm Winds (655)
									Widespread minor roof damage to residences was done throughout the city. Several reports of windows blown out of houses were received.
Issaquena County, 5SE Fidler	04	0956CST			0	0	5	0	Thunderstorm Winds
									Four transmission towers were downed in southern Issaquena County.
Warren County, Vicksburg	04	1003CST			0	0	4	0	Thunderstorm Winds (665)
									Part of a roof was blown off a building by winds estimated at 75 mph.
Hinds County, Bolton	04	1025CST			0	0	?	0	Thunderstorm Winds (652)
Hinds County, 4SW Jackson	04	1030CST			0	0	?	0	Hail (.75)
Hinds County, 1S Jackson	04	1040CST			0	0	5	0	Thunderstorm Winds
									A roof was blown off a car dealership and numerous trees were downed.
Hinds County, 10SW Jackson	04	1040CST			0	0	5	0	Thunderstorm Winds
									Hoods were blown off of several cars, a couple of big doors were blown off of their hinges, several trees were downed, and a mobile home was destroyed.
Rankin County, Richland	04	1050CST			0	0	3	0	Thunderstorm Winds
									A barn was destroyed and several trees were blown down.
Rankin County, 3SE Jackson	04	1050CST			0	0	5	0	Thunderstorm Winds
									Much tree and minor roof damage was done and many power lines were downed throughout the city of Richland.
Madison County, Ridgeland	04	1057CST			0	0	3	0	Thunderstorm Winds
									Windows were blown out of a house.
Rankin County, 2SE Pelahatchie	04	1100CST	.5	30	0	0	?	0	Tornado (F1)
									A tornado touched down briefly and blew down several trees.
Rankin County, Florence	04	1105CST			0	0	5	0	Thunderstorm Winds
									Numerous trees were blown down all across the city of Florence.
Rankin County, 3E Pelahatchie	04	1105CST	1.5	150	0	0	5	0	Tornado (F1)
									This second tornado developed out of the same storm as the first tornado. It set down and picked up one mobile home and threw it onto a second mobile home twenty yards away, destroying both. Three people in the second mobile home escaped without injury.
Scott County, 5N Forest	04	1131CST	.5	30	0	0	4	0	Tornado (F1)
									A tornado caused extensive damage to one house and roof, fence, and tree damage to a church.
Simpson County, 2N Mendenhall	04	1145CST			0	0	?	0	Thunderstorm Winds
									Power lines were downed.
Scott County, 3S Forest	04	1145CST			0	0	?	0	Thunderstorm Winds
									Numerous trees were downed which blocked several roads and streets.
Jasper County, Moss Hill	04	1200CST			0	0	?	0	Thunderstorm Winds
									Several trees were blown down.
Smith County, Raleigh	04	1205CST			0	0	3	0	Thunderstorm Winds
									Several big trees were downed. Wind blew some tin off the roof of a bank.
Clarke County, 7N Quitman	04	1220CST			0	0	3	0	Thunderstorm Winds
									Several trees were blown down and minor damage was done to a few buildings. One utility building was destroyed.
Lauderdale County, Meridian	04	1220CST			0	0	4	0	Thunderstorm Winds
									Several trees were blown down and one house was damaged.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	

MISSISSIPPI

Marion County, Columbia	04	1315CST				0	0	5	0	Thunderstorm Winds Lightning Numerous trees, power lines, and some street lights were downed in and around Columbia. Lightning struck a home, setting it on fire.
Lamar County, 2S Baxterville	05	0545CST				0	0	?	0	Thunderstorm Winds Several large trees were downed across county roads.
Jackson County, Escatawpa	06	0730CST				0	0	4	0	Thunderstorm Winds Wind blew trees down on a house, causing considerable damage.
Leflore County, Itta Bena	08	1820CST				0	0	3	0	Thunderstorm Winds Roof damage was done to a house.
Coahoma County, 2NW Clarksdale	08	2235CST				0	0	?	0	Hail (.75)
Bolivar County, 8NW Shelby	09	0010CST				0	0	?	0	Hail (.75)
Coahoma County, 1N Clarksdale	09	0010CST				0	0	?	0	Thunderstorm Winds (654) Numerous trees were blown down.
Coahoma County, 13SE Clarksdale	09	0025CST				0	0	5	0	Thunderstorm Winds Numerous power lines and utility poles were downed. Many cars overturned. One church was destroyed. One house had the roof blown off.
Bolivar County, Gunnison	09	0040CST				0	0	?	0	Hail (.75)
Bolivar County, Shelby	09	0040CST				0	0	?	0	Hail (.75)
Sunflower County, Parchman	09	0045CST				0	1	6	0	Thunderstorm Winds Three mobile homes were destroyed, several buildings were damaged, and one injury occurred when a guard was blown off a tower and sustained a broken leg at the State Penitentiary. Numerous trees and power lines were blown down.
Coahoma County, Friars Point	09	0045CST				0	0	3	0	Thunderstorm Winds Wind ripped the roof from a home.
Tallahatchie County, Sumner	09	0050CST				0	0	?	0	Thunderstorm Winds Numerous trees and power lines were downed by wind.
Leflore County, 10NW Greenwood	09	0100CST				0	0	?	0	Thunderstorm Winds (655)
Pike County, Progress	15	1625CST				0	0	?	0	Hail (.75)
Jefferson County, Fayette	18	1214CST				0	0	?	0	Hail (.75)
Clay County, West Point	18	1300CST				0	0	?	0	Thunderstorm Winds Several trees were blown down.
Simpson County, 4SE Pinola	18	1308CST				0	0	?	0	Hail (.75)
Simpson County, Pinola	18	1315CST				0	0	?	0	Thunderstorm Winds Numerous trees and power lines were downed.
Forrest County, Petal	18	1315CST				0	0	3	0	Thunderstorm Winds Several trees were blown down and a mobile home porch was overturned.
Lee County, 5S Baldwin	18	1339CST				0	0	3	0	Thunderstorm Winds Two large trees were blown down onto a fence.
Pike County, McComb	18	1600CST-2100CST				0	0	4	0	Flash Flood About six inches of rain fell. Several roads flooded and four inches of water got into a home near Town Creek in McComb.
Amite County, 12ENE Liberty	18	1615CST	1.0	40	0	0	0	5	0	Tornado (F1) A tornado touched down briefly in eastern Amite County, destroying one barn and knocking down several trees - some onto cars. The tornado caused minor damage to 20 homes and blew down some fences.
MSZ001-002-003-004-005 Northern Mississippi	18	1630CST-1830CST				0	0	5	0	High Winds A wake low behind a mesohigh resulted in a strong pressure gradient and damaging winds. Numerous trees and power lines were blown down. Minor damage was done to structures.

MISSISSIPPI

Copiah County, Hazelhurst	18	1800CST-2100CST				0	0	5	0	Flash Flood Five to 6 inches of rain fell in a period of several hours, resulting in water getting into homes damaging many streets and roads.
Lincoln County, Brookhaven	18	1800CST-2100CST				0	0	5	0	Flash Flood Up to 8 inches of rain fell throughout the county, resulting in road and street flooding. Many roads and bridges were damaged from the flooding.
MSZ006-007-008-009 Central Mississippi	18	1930CST-2300CST				0	2	?	0	High Winds A secondary low behind a mesohigh resulted in strong pressure gradient and damaging winds. Several trees and power lines were blown down. Two people were injured when wind forced their truck off the road in Lowndes County.
Pearl River County, Nicholson	18	2105CST				0	0	4	0	Thunderstorm Winds Three trees were blown down in a mobile home park. One mobile home was damaged when a tree fell on it.
Tippah County, 15N Ripley	20	0800CST				0	0	?	0	Thunderstorm Winds Several trees were blown down on power lines east of the Brownsville Community.
Alcorn County, 6SW Corinth	20	0810CST	.4	30	0	0	?	?	0	Tornado (F0) A tornado touched down briefly, but caused no damage.
Alcorn County, Corinth	20	0840CST				0	0	?	0	Hail (2.00)
Union County, 5E New Albany	20	1248CST				0	0	?	0	Hail (1.75)
Itawamba County, Ratliff	20	1300CST				0	0	5	0	Thunderstorm Winds Several falling trees did minor damage to 4 homes and major damage to a mobile home.
Prentiss County, Booneville	20	1312CST				0	0	?	0	Thunderstorm Winds Power lines were blown down.
Itawamba County, Fulton	20	1315CST				0	0	4	0	Hail (1.75) Thunderstorm Winds Numerous trees were downed. About 50 miles of county roads were blocked by fallen trees.
Lee County, Tupelo	20	1319CST				0	0	?	0	Thunderstorm Winds Scattered power outages from trees and power lines being blown down were common.
Jones County, 1W Laurel	20	1418CST				0	0	?	0	Hail (1.00)
Marion County, Morgantown	20	1430CST				0	0	?	0	Thunderstorm Winds Several trees were blown down.
Clarke County, Nancy	20	1450CST				0	0	?	0	Thunderstorm Winds Several trees were knocked down.
Clarke County, Middleton	20	1510CST				0	0	?	0	Thunderstorm Winds Several trees were downed on power lines and roads.
Rankin County, 6N Brandon	20	1630CST				0	0	?	0	Hail (.75)
Lauderdale County, Meridian	20	1640CST				0	0	?	0	Thunderstorm Winds Numerous trees were downed on power lines throughout the Meridian area.
Copiah County, Hazelhurst and Wesson	20	1655CST				0	0	?	0	Hail (.75)
Rankin County, SSE Brandon	20	1710CST				0	0	?	0	Hail (.75)
Rankin County, Brandon	20	1745CST				0	0	?	0	Hail (.75)
Holmes County, Lexington	22	1230CST				0	0	3	0	Thunderstorm Winds Trees were blown over, causing damage to a van and the front porch of a house.
Jones County, 2SE Laurel	22	1355CST				0	0	4	0	Thunderstorm Winds A metal roof was blown off of a school gymnasium.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MISSISSIPPI									
Leflore County, 55 Greenwood	22	1940CST			0	0	?	0	Hail (1.75)
Montgomery County, Winona	22	2015CST			0	0	?	0	Thunderstorm Winds Several trees were blown down.
Jackson County, 7N Pascagoula	23	0815CST			0	0	?	0	Hail (.75)
Marion County, Columbia	23	2000CST-2345CST			0	0	?	0	Flash Flood Over 5 inches of rain flooded many roads in Columbia.
Copiah County, Hazelhurst	23-24	2300CST-0200CST			0	0	?	0	Flash Flood Over 5 inches of rain flooded many roads in Hazelhurst.
23 MISSOURI									
Boone County, Columbia	8	0630CST			0	0	3	0	Lightning
Jackson County, Lee Summit	8	0810CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter fell.
Johnson County, Pittsville	8	0825CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Johnson County, Warrensburg	8	0900CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Platte County, Platte City	18	1305CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Bates County, Butler	18	1350CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Clinton County, Lathop	18	1400CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter fell.
Clinton County, Plattsburg	18	1400CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter fell.
Bates County, Adrian	18	1404CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Clinton County, 5 NE Plattsburg	18	1410CST			0	0	?	0	Hail (1.75) Hail to golf ball size fell 5 miles northeast of Plattsburg.
Johnson County, Elm	18	1431CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter fell.
Johnson County, Elm	18	1438CST			0	0	?	0	Hail (2.00) Hail to 2 inch diameter fell in eastern Elm.
Clinton County, Cameron	18	1510CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Dade County, 5 N Greenfield	18	1630CST			0	0	?	0	Hail (1.75) Hail to golf ball size fell 5 miles north of Greenfield.
Dade County	18	1630CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell from Stockton to Greenfield.
McDonald County, Jane	18	1700CST	1/2	30	0	0	2	0	Tornado (F1) A tornado was reported by the Highway Patrol near Jane.
Newton County, Neosho	21	1425CST			0	0	3	0	TSTM Wind Police estimated winds 60 to 80 mph.
McDonald County, Pineville	21	1505CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter and winds to 40 mph were reported at Pineville.
Ozark County	21	1640CST			0	0	3	0	TSTM Wind The sheriff estimated winds to be 70 mph in the western portion of the county.
McDonald County	21	1730CST			0	0	?	0	Hail (1.75) Hail to golf ball size fell in western McDonald County south of Tiff City.
Cedar County, Eldorado Springs	21	2120CST			0	0	0	0	Hail (0.75) Hail up to 3/4 inch in diameter fell.
Cedar County, Eldorado Springs	21	2135CST			0	0	0	0	Hail (0.75) Hail up to 3/4 inch in diameter continued to fall.
MISSOURI									
Cedar County, Stockton	21	2155CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Cedar and Vernon Counties	21	2159CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell from the southeast portion of Vernon County into Cedar County.
Polk County, Bolivar	21	2228CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Webster, Dade, Polk, Greene, and Cedar Counties	21	2200CST-220600CST			0	0	4	0	Flash Flooding Heavy rain fell from 10 PM CST on May 21st and ended about 6 AM on May 22nd. Rainfall amounts of 4 to 8 inches produced flash flooding and urban flooding in most towns. Numerous roads were closed. Many roads were closed and cars stalled in Springfield between 1 and 5 AM CST. Many county and farm roads were flooded over in Vernon, Cedar, Dade, Polk, Greene and Webster counties.
Polk County, Eudora	21	2340CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Webster County, Marshfield	21	2355CST			0	0	2	0	Hail (0.75) TSTM Wind Hail to 3/4 inch diameter and winds estimated to 50 knots were observed.
Greene County, 2 N Glidewell	22	0000-0030CST	1	30	0	0	5	0	Tornado (F2) A tornado touched down 7 miles north-northeast of the Weather Service Office in Springfield along Greene County Farm Road W near Missouri Highway 13. Large oak trees were uprooted and other trees were sheared off. One large building was destroyed and a fence was destroyed.
Jasper County, Joplin	22	0250CST			0	0	3	0	TSTM Wind Winds to 60 mph downed trees in the center of the city.
Barry County	22	0315CST			0	0	5	0	TSTM Wind Thunderstorm winds demolished a large metal building near Purdy along Highway 37. Several mobilehomes were blown off foundations just north of County Road BB and 37.
Barry County, Exeter and Monett	22	0340CST			0	0	5	0	TSTM Wind Power lines were downed in Exeter and a mobile home was damaged just south of Monett.
Linn County, Marceline	24	0755CST	?	?	0	0	0	0	Tornado (F0) Pilot reported a tornado touchdown at Marceline. No reports of damage or path size were received.
Adair County, Kirksville	24	0825CST			0	0	0	?	Hail (0.75) Hail to 3/4 inch diameter fell.
Scotland County, Memphis	24	0925CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell just north of Memphis.
Knox County, Knox City	24	1005CST			0	0	4	0	TSTM Wind Tree damage occurred at Knox City.
Lewis and Shelby Counties	24	1030CST			0	0	4	0	TSTM Wind Scattered tree damage was done.
Mercer County, Cainsville	24	1925CST	2.5	75	0	0	6	0	Tornado (F2) A tornado touched down about 10 miles northwest of Princeton, near Cainsville. It was on the ground for 2 1/2 miles and destroyed one house. Two other houses were severely damaged and a number of outbuildings were destroyed. Trees and power lines were also downed.
Harrison County, Blythedale	24	1930CST	1	50	0	0	5	0	Tornado (F1) A tornado touched down north of Blythedale and produced major damage to outbuildings. Trees and power lines were also downed.
Clinton County, Cameron	24	2042CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Jackson County	24	2055CST			0	0	0	0	Hail (1.00) Hail 3/4 to 1 inch in diameter was reported at I-470 and Raytown Road.
Jackson County, Lees Summit	24	2100CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell along Highway 50 near Lees Summit.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MISSOURI									
Knox County, Knox City	24	2205CST			0	0	4	0	TSTM Wind Thunderstorm winds downed trees in Knox City.
Johnson County, Warrensburg	24	2212CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell south of Warrensburg.
Henry County, Clinton	24	2329CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter was reported by police.
Clay County, Gladstone	25	0545CST			0	0	0	0	Hail (1.50) Hail to 1 1/2 inch diameter fell.
Clay County, 1 E. Liberty	25	0550CST			0	0	?	0	Hail (2.00) Hail from 1 inch to 2 inch diameter fell.
Clay County, Missouri City	25	0600CST			0	0	0	0	Hail (1.50) Hail to 1 1/2 inch diameter fell.
Ray County, Camden	25	0615CST			0	0	0	0	Hail (0.75) Hail 1/4 to 3/4 inch in diameter covered the ground to 3 inches deep in some locations about 2 miles west of Camden.
Lafayette County, E. Higginsville	25	0645CST			0	0	4	6	Hail (1.50) Significant crop damage was reported. Numerous windows were broken.
Saline County, Marshall	25	0700CST			0	0	?	?	Hail (1.75) Golf ball size hail fell.
Pike County, Bowling Green	25	0710CST			0	0	4	0	TSTM Wind Scattered tree damage was done.
Webster County	25	0715CST			0	0	5	4	Hail (1.75) Golf ball size hail from near Elkland to Niangua produced damage to cars.
Webster County, Niangua	25	0715-0730CST			0	0	5	3	Hail (2.75) Hail to the size of baseballs damaged buildings 1 1/2 mile east of Niangua.
Cooper County, Boonville	25	0715CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Marion County, Palmyra	25	0730CST			0	0	4	0	TSTM Wind Scattered wind damage was done.
Boone County, Midway	25	0740CST			0	0	2	0	TSTM Wind Thunderstorm winds to 60 mph were reported.
Boone County, Columbia	25	0745CST			0	0	4	0	TSTM Wind Winds to 58 mph produced damage in southwest Columbia. A large sign was blown down and power lines were also downed.
Ralls County	25	0745CST			0	0	4	0	TSTM Wind Scattered tree damage occurred in the north part of the county.
Cole County, Jefferson City	25	0800CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter fell.
Callaway County, Jefferson City	25	0805CST			0	0	?	?	TSTM Wind The Jefferson City Airport recorded winds to 50 knots (58 mph).
Pike County, Bowling Green	25	0810CST			0	0	4	0	TSTM Wind Scattered tree damage was done.
Howard County, Glasgow and Fayette	25	0845CST			0	0	4	0	TSTM Wind Thunderstorm winds uprooted large trees and downed power lines.
Boone County, Sturgeon	25	0915CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter fell.
Boone County, Centralia	25	0925CST			0	0	0	0	Hail (1.00) Hail from 3/4 to 1 inch diameter fell.
Warren and Franklin Counties	25	0925CST			0	0	5	0	TSTM Wind Scattered wind damage occurred from St. Clair to Wright City.
Boone County, Hallsville	25	0935CST			0	0	5	0	TSTM Wind Large trees were blown down onto a house.
Franklin County, St. Clair	25	0939CST			0	0	3	0	Hail (1.75) Hail to golf ball size fell.
Audrain County, 4 S Mexico	25	0940CST			0	0	4	0	TSTM Wind A mobile home was overturned 4 miles south of Mexico.
MISSOURI									
Jefferson County, Dittmer	25	0955CST			0	0	4	5	Hail (3.50) Hail to 3 1/2 inches diameter produced scattered damage in and around Dittmer.
Jefferson County	25	1010CST			0	0	4	0	TSTM Wind and Hail (2.00) Scattered tree damage from wind and hail was done in central and east-central portions of the county.
Jefferson County, Herculanium	25	1015CST			0	0	5	5	Hail (2.75) Hail to baseball size and strong winds produced damage to trees in and around Herculanium.
Pike County	25	1030CST			0	0	4	0	TSTM Wind Scattered tree damage was done.
Ralls County	25	1035CST			0	0	4	0	TSTM Wind Wind damage to trees occurred in the southwest part of the county.
Marion County, Patoka	25	1145CST			0	0	?	?	Hail (1.75) Hail to golf ball size fell.
Newton County, Neosho	25	1807CST			0	0	4	0	Hail (1.75) Hail to the size of golf balls fell.
Barry County, Purdy	25	1841CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter and winds to 40 mph were reported.
Barry County, 3 E. Monett	25	1852CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter and winds to 40 mph were reported.
Barry County, Purdy	25	1852CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter and heavy rain fell.
Stone County, 8 SW Reeds Springs	25	1938CST			0	0	3	0	TSTM Wind Winds of 50 to 60 mph occurred 8 miles southwest of Reeds Springs.
Polk County, N of Bolivar	25	1939CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell 2 miles north of Bolivar.
Christian County, Spokane	25	1945CST			0	0	0	0	TSTM Wind Winds 50 to 60 mph were reported.
Taney County, near Silver Dollar City	25	1955CST			0	0	5	?	Hail (1.75) Hail to golf ball size near Silver Dollar City caused damage to a roof.
Polk County, Humansville	25	1956CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Taney County, 4 N. Branson	25	1957CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter fell.
Dallas County, Buffalo	25	2007CST			0	0	?	?	Hail (1.75) Hail to golf ball size fell.
Stone County, Lakeview	25	2010CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter fell.
Cole County, Brazito	25	2030CST			0	0	3	3	Hail (1.75) Hail to golf ball size fell.
Osage County, Linn	25	2045CST			0	0	0	0	Hail (1.00) Hail to 1 inch diameter fell.
Osage County, Rich Fountain	25	2050CST			0	0	4	4	Hail (2.50) Hail to 2 1/2 inch diameter fell.
Gasconade County, Owensville	25	2115CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Ozark County, Tecumseh	25	2200CST			0	0	4	4	Hail (1.75) Hail to golf ball size fell.
Dunklin County, 10 SW Kennett	26	1243CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.
Boone County, Columbia	28	1315CST			0	0	0	0	Hail (0.75) Hail to 3/4 inch diameter fell.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
24 MONTANA									
Silver Bow County, Butte	10	1035 MST			0	0	3	0	TSTM Winds (G65)
Lewis & Clark County, Helena	10	1152 MST			0	0	3	0	TSTM Winds (G52)
Cascade County, Great Falls	10	1247 MST			0	0	2	0	TSTM Winds (G50)
Missoula County: Clinton Seeley Lake	10	1330 MST			0	0	5	0	TSTM Winds
	10	1430 MST			0	0	4	0	TSTM Winds
Five trailer homes received extensive wind damage at Clinton and trees were blown across power lines at Seeley Lake.									
Wheatland County, 2E Judith Gap	10	1410 MST			0	0	0	0	Funnel Clouds
Two funnel clouds were sighted.									
Teton County, Choteau	10	1626 MST			0	0	2	0	TSTM Winds (G67)
Yellowstone County: Billings 7SE Moit	11	1630 MST			0	0	0	0	Hail (1.00)
	11	1630 MST			0	0	0	0	Hail (1.00)
Custer County, Miles City	11	1902 MST	?	?	0	0	5	0	Tornado (FO)
A roof was torn off of a dormitory at the Pines Hill State School by a tornado.									
MTZ009									
Custer County, Miles City	18	1751 MST			0	0	5	0	High Winds (G51)
A light plane was flipped over at Miles City Airport and a pickup and camper were blown over.									
Flathead County: Bigfork Kalispell	23	afternoon			0	0	0	0	Hail (0.75)
	23	afternoon			0	0	3	0	Lightning
Lightning struck a house and started a fire.									
MTZ003 Northern Chinook	23	1610 MST			0	0	4	0	High Winds (G50)
	Strong winds across the Northern Chinook Zone resulted in a 15 car pileup on Interstate 15 just north of Helena.								
MTZ003-004-005-006 Much of the Mountains and Northern and Central Montana	28-	1400MST-			0	0	5	0	Winter Storm
	29	1200MST			Two to eight inches of snow fell over the plains, and a foot or more fell throughout the mountains. Numerous accidents were reported. The moisture had a positive impact on crops.				
25 NEBRASKA									
Red Willow Co. McCook	03	1327CST			0	0	3	3	Hail (0.75)
Scottsbluff Co.	11	1800CST			0	0	3	3	Flash Flood
Heavy rain forced mud and several feet of water over roads 4 miles east of Mitchell. Some street flooding was reported in Gering and Scottsbluff areas.									
Scottsbluff Co. Scottsbluff	12	1606CST			0	0	5	1	Thunderstorm Wind
Wind gusts in thunderstorms tore portions of roof off of a downtown building.									
Morrill Co. Broadwater	15	1530CST			0	0	2	4	Flash Flood
Up to 4 inches of rain in the Broadwater area caused areas of flash flooding with crop damage and soil erosion.									
Cheyenne Co.	15	2000CST -2100CST			0	0	3	5	Flash Flood
Three to five inch rains from 5 miles west of Lorenzo toward Lodgepole caused local flash flooding which damaged crops and caused erosion. Normally dry Cow Creek filled to a depth of 6 feet, overflowing its banks into surrounding lowlands.									
Cheyenne Co. 4SW Lodgepole	15	2030CST			0	0	4	7	Hail (1.75)
Hail upwards to 1 and 3/4 inches heavily damaged crops. Buildings also sustained roof and window damage. The damage extended east toward Lodgepole.									
Saunders Co. 2SE Ashland	18	1705CST			0	0	0	0	Funnel Cloud
Saunders Co.	18	1710CST			0	0	0	0	Funnel Cloud
NEBRASKA									
Saunders Co. 7E Ceresco	18	1720CST	0.1	30	0	0	1	1	Tornado (FO)
A small tornado touched down 7 miles east of Ceresco and did minor damage.									
Saunders Co. 5S Ithaca	18	1733CST			0	0	0	0	Funnel Cloud
Thurston Co. Pender	18	2045CST			0	0	4	4	Hail (1.75)
One and three-quarter inch hail damaged crops and roofs of buildings.									
Thurston Co.	18	2045CST -2130CST			0	0	2	3	Flash Flood
Upwards to 4 inches of rain fell from Pender northeast to the Missouri River, with flash flooding occurring in ravines and some bottomland flooding damaging crops.									
Cheyenne Co. 5N Sidney	21	0115CST			0	0	5	6	Hail (1.75)
One and three-quarter inch hail driven by strong winds damaged vehicles, shredded crops, broke windows and damaged siding. Road graders had to be called out to remove hail from roads.									
Red Willow Co. 5S Indianola	21	0455CST			0	0	5	0	Lightning
Lightning caused an explosion and fire at oil storage tanks.									
McPherson Co. 3NW Tryon	21	1830CST			0	0	0	0	Funnel Cloud
Rock Co. 18SE Bassett	21	1850CST			0	0	5	4	Hail (2.75)
Hail upwards to 2 and 3/4 inches in diameter fell around Pony Lake. Windows were broken out of buildings and roof damage was done. Vehicles were dented and windows broken out. Trees, gardens and crops suffered damage.									
Lincoln Co. 4NW North Platte North Platte	21	2020CST			0	0	5	2	Hail (1.75)
	21	2030CST			0	0	5	1	Hail (0.75)
Hail upwards to 1 and 3/4 inches in diameter fell from northwest of the city to the airport area damaging vehicles and roofs.									
Keya Paha Co. Butte	21	2032CST			0	0	4	4	Hail (1.00)
Hail damaged roofs, crops and gardens. Graders were used to clear hail from some roads. The hail also extended east to Spencer.									
Hall Co. Cairo	22	1906CST			0	0	4	4	Hail (1.25) Thunderstorm Wind (61)
One and a quarter inch hail and 70 m.p.h. winds caused tree and vehicle damage.									
Hall Co. Grand Island	22	1920CST			0	0	3	2	Thunderstorm Wind (51)
Winds gusted to 59 m.p.h. at the airport.									
Adams Co. 3N Hastings	22	1926CST 0.2	40		0	0	2	2	Tornado (FO)
A small tornado briefly touched down 3 miles north of Hastings.									
Adams Co. Hastings	22	1930CST			0	0	4	2	Hail (1.50)
Six cars were damaged by one and a half inch hail in a television station parking lot.									
Adams Co. 3N Hastings	22	2009CST			0	0	6	3	Hail (2.75)
Two and three-quarter inch hail damaged 400 cars on a lot. The hail also damaged the clubhouse and greens of a nearby golf course. Extensive roof damage and window damage was reported on the north side of Hastings.									
Adams Co. 2W Hastings	22	2012CST 0.2	30		0	0	4	2	Tornado (F1)
A tornado touched down on the west edge of Hastings behind the Kmart, destroying a storage building and damaging a few trees.									
Nuckolls Co. Superior	22	2110CST			0	0	3	2	Thunderstorm Wind
Strong gusts broke tree limbs.									
Keya Paha Co. 3N Mills	23	1915CST			0	0	3	4	Hail (1.75)
Knox Co. 2NW Lindy	23	2140CST			0	0	2	4	Hail (1.00)
Buffalo Co. 4S Gibbon	28	1845CST			0	0	5	4	Hail (2.00)
Two inch hail damaged vehicles in an interstate highway roadside park.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEBRASKA									
Buffalo Co. 6S Gibbon	28	1911CST			0	0	3	3	Hail (1.00)
Nance Co. 6NE Palmer	28	1925CST			0	0	0	4	Hail (2.75) Two and three-quarter inch hail damaged crops.
Adams Co. Prosser	28	1932CST			0	0	4	3	Hail (1.75) One and three-quarter inch hail damaged crops.
Adams Co. 2NW Juniata	28	1948CST	0.1	30	0	0	1	1	Tornado (F0) A small tornado touched down briefly 2 miles northwest of Juniata.
Hall Co. 2S Grand Island	28	2040CST			0	0	3	4	Hail (1.75)
Hamilton Co. 4S Phillips	28	2050CST			0	0	4	4	Hail (3.00) Three inch hail damaged vehicles and crops.
Hamilton Co. 7N Aurora	28	2140CST			0	0	2	5	Hail (1.75)
York Co. Henderson	28	2145CST			0	0	4	3	Hail (1.50)
York Co. 5W Benedict	28	2200CST			0	0	4	5	Hail (1.50) One and a half inch hail broke windows and damaged crops and trees.
Saunders Co. Mead	28	2301CST			0	0	3	2	Thunderstorm Wind Wind gusts blew down trees.
Douglas Co. Waterloo	28	2320CST			0	0	4	3	Thunderstorm Wind (61) Wind gusts estimated to 70 m.p.h. caused damage to trees and utility lines.
Butler Co. Ulysses	28	2325CST			0	0	4	4	Hail (2.50)
Saunders Co. Wahoo	28	2338CST			0	0	3	2	Thunderstorm Wind Winds downed trees and power lines.
Douglas Co. Omaha 13MSW OMA	28	2345CST			0	0	4	1	Thunderstorm Wind
Omaha 11MSW OMA	28	2347CST			0	0	3	1	Thunderstorm Wind
Omaha 9SW OMA	28	2350CST			0	0	5	1	Thunderstorm Wind Strong gusts in thunderstorms caused structural damage to Millard North High School near 144th and Pacific. Around the area of 84th and Center windows were blown out of cars and buildings and a portion of a roof was blown off of a store. Trees and power lines were damaged through the section from 144th and Pacific towards 72nd Street and I-80.
Saunders Co. Leshara	28	2355CST			0	0	4	1	Thunderstorm Wind Thunderstorm wind gusts blew windows out of buildings and blew down trees.
Sarpy Co. Papillion	29	0000CST			0	0	3	1	Thunderstorm Wind
Springfield	29	0005CST			0	0	3	1	Thunderstorm Wind Thunderstorm wind gusts downed trees and broke limbs.
Kimball Co. 10N Kimball	30	1832CST			0	0	1	2	Hail (0.75)
26 NEVADA									
Lyon County	08	1600PST-1630PST			0	0	2	0	Flash Flood
	08	1645PST			0	0	3	0	Lightning A cluster of thunderstorms developed over southern Lyon County and moved north during the late afternoon and early evening hours. Heavy rains from these storms produced flash flooding in the Wilson Canyon area. State Route 339 was closed due to mud, rocks and debris approximately 20 miles south-southwest of Yerington. The highway was cleared by 1900PST. Flooding was also reported at the Triple B Ranch. Further north, in Yerington, heavy rain caused widespread street flooding. Minor flooding was also reported along U. S. Highway 95A between Yerington and Shurz. Lightning knocked out power transformers in many parts of Lyon County. In Yerington a lightning strike started a fire that involved a tree.
Clark County	13	1745PST-1930PST			0	0	?	0	Flash Flood Very strong thunderstorms moved slowly across southern Clark County producing small hail, strong winds and heavy rain. Flash flooding was reported in many parts of the Las Vegas Valley.
NVZ003 Extreme Western Nevada	22-23	1830PST-0930PST			0	0	0	0	High Wind A strong low pressure system developed off the Pacific Coast. High winds developed ahead of a cold front associated with this low pressure area. Sustained winds 30 to 40 MPH were reported along the lee of the Sierra Nevada in the Reno-Carson City area. Gusts to more than 60 MPH were common.
27 NEW HAMPSHIRE ——— NONE REPORTED									
28 NEW JERSEY, Northern									
Passaic and Morris Counties	07	midday			0	0	?	0	Flood A warm front moving northward across the area was quickly followed by a low pressure system during the early morning hours of the 6th. This generated around 3 inches of rain across northern New Jersey. The associated runoff finally forced the Passaic River to just over flood stage at around noon on the 7th. This resulted in some flooding at Passaic and Wayne in Passaic County. Other flooding was reported along tributaries to the Passaic River at Pequannock and Lincoln Park in Morris County.
Passaic, Somerset, Morris, Bergen, and Essex Counties	11	morning-afternoon			0	0	?	0	Flood A nearly stationary low pressure system remained off the Delmarva Peninsula for nearly 36 hours. This generated 1 to 3 inches of rain across northern New Jersey. Past heavy rains had left many rivers and streams considerably higher than normal, therefore flooding became a problem quite early in the day. Flooding became very widespread as the day progressed, being reported in Passaic, Somerset, Morris, Bergen and Essex counties. The Pequannock, Wanaque, Ramapo, Passaic and Raritan rivers overflowed their banks.
Passaic, Morris, Somerset, Bergen, and Essex Counties	17	morning-night			0	0	?	0	Flood A low pressure system remaining nearly stationary off the coast of New Jersey produced heavy rains across northern New Jersey. The storm acted like a small tropical storm as band after band of heavy rain was brought ashore on northeasterly winds. This was the third major rain event during this month. Flooding was extremely widespread across northern New Jersey. Rainfall totals ranged from 2 to 4 inches. Nearly all rivers and streams in Passaic, Morris, Somerset, Bergen and Essex counties overflowed their banks. Evacuations were ordered at Westwood and Old Tappan in Bergen County. At Little Falls along the Passaic River, the river did not actually crest until the early morning hours on the 19th.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
28 NEW JERSEY, Southern									
Mercer County	06	0530EST-0930EST			0	0	?	0	Flash Flood
									Heavy rains of 1 to 2 inches resulted in flash flooding along the Assumpink Creek. The Assumpink crested at 1 foot above flood stage. There also was considerable urban and small stream flooding.
Mercer County	10	1300EST-1900EST			0	0	?	0	Flood
									Heavy rains of 1 to 2 inches resulted in flooding along the Assumpink Creek. The Assumpink crested at 1 foot above flood stage. There also was considerable urban and small stream flooding.
Atlantic County, Hammonton	27	1059EST			0	0	?	0	TSTM Wind (52)
									Thunderstorm wind gusts were measured at 52 knots.
Atlantic County, Atlantic City	27	1105EST			0	0	?	0	TSTM Wind (56)
									Thunderstorm wind gusts were measured at 65 mph on the Boardwalk in Atlantic City.
Cape May County, Marmora	27	1108EST	0.1	200	0	0	?	0	Tornado (F0)
									A tornado touched down twice taking down trees and utility lines and overturning a trailer. FPPD-3
Cape May County: Palermo	27	1109EST			0	0	3	0	TSTM Wind
Seaville	27	1110EST			0	0	3	0	TSTM Wind
Ocean City	27	1115EST			0	0	4	0	TSTM Wind
									Thunderstorm wind gusts uprooted many trees in Palermo and blew down a large sign in Seaville. Thunderstorm wind gusts also tore a balcony and part of the roof off a condominium in Ocean City. A spiral staircase was blown off as well and deposited two houses away.
29 NEW MEXICO									
Upper Rio Grande Valley	1,3, & 15	mornings			0	0	6	0	Freeze
									After an unseasonably warm early Spring, freezes during the first half of May damaged the apple crop severely. The Santa Fe County Extension Service estimated that 90 percent of the apple crop was wiped out, equating to a loss of at least 2.5 million dollars.
Grant County, Arenas Valley	08	1440MST			0	0	4	0	Dust Devil
									A brief but vigorous dust devil destroyed a mobile home in the Arenas Valley. Damage was estimated at 10,000 dollars.
Los Alamos County	09	1745MST			0	0	?	?	Hail (1.00) TSTM Wind
									Up to one-inch diameter hail fell at the Los Alamos airport while winds gusted to 76 mph. Three-quarter inch diameter hail also fell at White Rock.
Otero County, Alamogordo	09	2115MST			0	0	3	?	TSTM Wind
									Strong thunderstorm winds blew the roof of a mobile home 60 to 70 feet into a road in Alamogordo.
San Miguel County, Pecos	10	1430MST			1	0	0	0	Lightning
									Lightning killed a 17 year old male as his baseball team was leaving the practice field at Pecos High School.
Eddy County, Carlsbad Caverns National Park	11	1455MST	10	50	0	0	0	0	Tornado (F1)
									Employees of Carlsbad Caverns National Park watched for 20 minutes as a well-defined tornado roared across the landscape in open country.
Eddy County, Carlsbad	11	1555MST			0	0	?	?	Hail (1.00)
									Hail of .75 to 1 inch diameter fell in Carlsbad.
Chaves County, Roswell area	11	1710MST			0	0	7	?	Hail (3.00)
									Hail up to three inches in diameter did an estimated 20 million dollars in damage to houses, buildings and automobiles in and around Roswell.
NEW MEXICO									
Lea County, 1 E Jal	11	1906MST	5	25	0	0	3	0	Tornado (F1)
									A tornado destroyed a horse barn one mile east of Jal.
Union County, 12 N Clayton	14	1720MST			0	0	0	?	Hail (0.75)
									Hail fell for about 5 minutes 12 miles north of Clayton.
Union County, 9 N Clayton	14	2150MST			0	?	3	?	Hail (0.75)
									Hail fell 9 miles north of Clayton, accumulating to a depth of 4 to 5 inches and causing several automobile accidents.
Quay County, House	15	1235MST			0	0	?	?	Hail (1.75)
Quay and Curry Counties, 5 S McAlister to 2 E Forrest	15	1335MST	17	50	0	0	0	?	Tornado (F1)
									Law enforcement officials tracked a tornado from 5 miles south of McAlister to where it lifted 2 miles east of Forrest. The tornado tracked across open country without hitting anything substantial.
Quay County, 2 E McAlister	15	1345MST			0	0	4	?	Hail (4.00)
									Hail up to 4 inches in diameter accompanied the storm that produced the tornado Quay County listed above. Skylights and windows were broken out 2 miles east of McAlister.
Harding County, 15 rd 20 E Mosquero	15	1430MST			0	0	?	?	Hail (1.00)
									One-inch diameter hail accumulated 2 to 3 inches deep 15 to 20 miles east of Mosquero.
Quay County: Ragland	15	1445MST			0	0	?	?	Hail (0.75)
San Jon	15	1550MST			0	0	?	?	Hail (0.75)
Endee	15	1630MST			0	0	?	?	Hail (2.00)
Quay and Roosevelt Counties, 5 S House to 2 E McAlister	16	0910MST	10	50	0	0	0	?	Tornado (F0)
									A tornado was observed to track across nearly the same ground that experienced a tornado less than 24 hours earlier. The tornado touched down 5 miles south of House and dissipated 2 miles east of McAlister.
Lea County, Hobbs and Lovington	16	2110MST			0	0	3	?	Hail (0.75) and TSTM Wind
									Three-quarter inch diameter hail fell at Hobbs while the same thunderstorm blew down several power poles at Lovington.
Quay County	17	1205MST			0	0	?	?	Hail (1.00)
									One-inch diameter hail accumulated to 2 to 3 inches in depth along Highway 54 in the northeastern section of the county.
Union County, 5 W Clayton	20	1855MST			0	0	?	?	Hail (1.75)
									Golfball size hail fell 5 miles west of Clayton.
Union County, 6 S Clayton	20	1918MST			0	0	?	?	Hail (1.75)
									Golfball size hail fell 6 miles south of Clayton.
Otero County, Alamogordo	27	2100MST			0	0	3	?	Hail (1.00) and TSTM Wind
									One-inch diameter hail fell at Alamogordo while a radio station in the same city measured wind gusts of up to 74 mph. Some windows were broken out.
Dona Ana County, Las Cruces and near Mesquite	27	2130MST			0	0	5'	?	Hail (1.75) and TSTM Wind
									Hail of up to golfball size broke windows out of houses and cars in Las Cruces. Hail and high winds also killed farm animals and destroyed one farmer's apple crop south of Las Cruces near Mesquite.
30 NEW YORK, Coastal									
NY2014-015-016-017 Southeastern New York	06	0500EST-0900EST			0	0	?	0	High Wind
									A rapidly-intensifying low pressure system moved across southeastern New York during the early morning hours. The storm generated winds in excess of 50 knots (58 mph). Although all of southeastern New York State experienced the high winds, Queens and western Nassau counties were generally considered to be the hardest hit. The winds downed hundreds of trees and numerous power lines. Several cars and homes were damaged to some extent by the falling trees.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NEW YORK, Coastal									
New York City, and Rockland, Nassau, Westchester and Suffolk Counties	17	midday			0	0	?	0	Flood
<p>A low pressure system remaining nearly stationary off the coast of New Jersey produced heavy rains across southeastern New York. The storm acted like a small tropical storm as band after band of heavy rain was brought ashore on northeasterly winds. This was the third major rain event during this month. Flooding was extremely widespread across southeastern New York. Rainfall totals ranged from 3 to 6 inches. The highest amounts were over Long Island. Major flooding occurred along the Bronx and Saw Mill rivers. Elsewhere, small streams and creeks overflowed. Massive urban flooding brought traffic to a standstill at several locations.</p>									
NEW YORK, Central									
Ulster Co. Countywide	16	1803EST-17 mid morning			0	0	5	0	Flood
<p>Rainfall exceeded Flash Flood values. Flooding of small streams was reported in many townships. Lake flooding occurred at Coopers Lake and road washouts were reported around Slide Mountain.</p>									
Orange Co. Cornwall-on-Hudson	16	PM			0	0	4	0	Rock Slide
<p>Heavy rain loosened rock formations on Storm King Mountain, resulting in two separate rockslides. State Rt. 218 had to be closed for nearly three days. This created major traffic tie-ups.</p>									
Dutchess Co. Fishkill	26	2014EST			0	3	3	0	Lightning
<p>Lightning strikes knocked out power to 11,000 home in and around Fishkill, New York.</p>									
30 NEW YORK, Central									
NYZ010 Catskill area	02	Early PM 02 Late PM			0	0	4	0	Flood
<p>Heavy rain resulted in minor flooding of small streams in the Catskill zone. Hardest hit were the East Branch of the Callicoon Creek and Willowemoc Creek. Some logging roads were washed out in the town of Greenfield Park in Ulster County.</p>									
NYZ013-010 Lower Hudson Valley and Catskills	05	0230EST-06 2100EST			0	0	5	?	Flood
<p>Heavy rain fell over the Catskills and Lower Hudson Valley. Rainfall amounts of up to 3.5 inches were common. Ulster County was hardest hit. Fast-running waters of the Rondout Creek (Ulster Co.) trapped a pair of campers in their van. When they awoke in the morning water was coming up through the floorboards. Both were rescued by boat at about 7am EDT. At 5:45am EDT, two State correctional vehicles were trapped by fast-rising waters of the Coxing Kill, about a mile east of Minnewaska (Ulster Co.). On State Rt. 28, near Moray (Ulster Co.), flooding of a nearby brook caused a mudslide, according to police. In the Town of Kingston (Ulster Co.) a State of Emergency was declared at 6:21 am EDT, Saturday morning, due to extensive flooding of the Sawkill Creek. In the Village of Ruby (Ulster Co.) Main Street was washed away, resulting in considerable local damage. Small stream flooding was generally over by 10am EDT, but some mainstream flooding continued until 10pm EDT.</p>									
NYZ006 Susquehanna Region of New York	05	1530EST-08 AM			0	0	5	?	Flood
<p>Heavy rain pushed the Susquehanna and Chenango rivers above flood stage. On the Susquehanna River at Conklin two roads were inundated, isolating ten homes. On the Chenango River at Port Crane, two campers were rescued from an island when the river went to near flood stage. In Otsego County, high water along the Butternut Creek, in the town of Morris, swept away an outbuilding. Small streams throughout the region were high.</p>									
Otsego Co. Milford	06	0530-0700EST			0	0	5	3	Flash Flood
<p>A beaver dam broke resulting in a flash flood. A section of County Rt. 44 was washed away. The washout was 55 feet by 80 feet, by several feet deep.</p>									
Areawide	06	PM			0	0	0	0	Drought Ends
<p>Heavy rains during the first few days of May have filled reservoirs. New York State's drought which began during 1988 has come to an end.</p>									
Orange Co. Goshen-Clarkstown area	16	1228-1600EST			0	0	3	0	Flood
<p>Small stream floodwaters closed local roads in the Clarkstown-Goshen area. State Rt. 17A near Quarry Road was also flooded.</p>									
Dutchess Co. Countywide	16	1744EST-17 1000EST			0	0	4	0	Flood
<p>Nearly four inches of rain fell in the Wappingers Creek watershed. The deluge resulted in scattered flooding and road closings including Rt. 9 in Hyde Park and old Rt. 55 in Pawling. Flooding was also reported in the community of LaGrangeville along Sprout Creek, a tributary of the Wappingers Creek. The Landsman Kill and Rhinebeck Kill flooded parts of Rhinebeck. At Lake Morgan, local inflow caused the lake to flood low-lying areas of the lake shore.</p>									
NEW YORK, Central									
Ulster Co. Countywide	16	1803EST-17 mid morning			0	0	5	0	Flood
<p>Rainfall exceeded Flash Flood values. Flooding of small streams was reported in many townships. Lake flooding occurred at Coopers Lake and road washouts were reported around Slide Mountain.</p>									
Orange Co. Cornwall-on-Hudson	16	PM			0	0	4	0	Rock Slide
<p>Heavy rain loosened rock formations on Storm King Mountain, resulting in two separate rockslides. State Rt. 218 had to be closed for nearly three days. This created major traffic tie-ups.</p>									
Dutchess Co. Fishkill	26	2014EST			0	3	3	0	Lightning
<p>Lightning strikes knocked out power to 11,000 home in and around Fishkill, New York.</p>									
30 NEW YORK, Western									
Allegany, Cattaraugus, Chautauqua, Erie, Genesee, Livingston, Monroe, Niagara, Ontario and Orleans Counties	07	0100EST-08 0300EST			0	0	5	0	LATE SNOW
<p>A late-season snowstorm dropped up to twelve inches of snow in some areas. At Buffalo just under 8 inches was recorded while at Rochester just over 10 inches fell. The snowfall established many new weather records for both cities. The snow covered the entire ten county area. The heavy wet snow downed power lines and trees which took down more power lines when they fell. As lines fell, power poles were snapped. Nearly 13000 customers were without electricity in much of Orleans and parts of northeast Genesee and western Monroe counties. Numerous scattered minor outages were also reported. Some roofs collapsed from the weight of the snow. Plows and salters were called out to clear roadways, though much of the snow was melting as it fell.</p>									
Chautauqua and Cattaraugus Counties	11	0700EST-12 0900 EST			0	0	4	0	FLOOD
<p>Nearly two weeks of consistent rainfall caused area streams and creeks to rise to bank full. In Chautauqua County a few low-lying roads were barricaded because of high water. In Cattaraugus County at the Onoville Marina on the Allegany River, ramps to the docks were under two feet of water. Also in Cattaraugus County, a mud slide occurred on one of the ski slopes at the Holiday Valley Resort Area in Ellicottville.</p>									
Genesee and Monroe Counties	12	0400EST-13 1500 EST			0	0	3	0	FLOOD
<p>Nearly two weeks of consistent rainfall caused Oatka creek to reach bank full. At Garbutt, the creek reached the flood stage of 6.00 feet at 0230 EST on the 13th. Minor lowland flooding was reported.</p>									
Cattaraugus Co. Randolph	14	1250 EST			2	4	0	0	LIGHTNING
<p>Lightning struck and killed two softball players as they sought shelter from a thunderstorm under a tree. Four other players who had also run under the tree were treated for shock and minor injuries. M300; M290.</p>									
Chemung Co.	15	1500EST-16 0500EST			0	0	3	0	FLOOD
<p>Consistent rainfall over a two week period caused area streams to reach bank full. The Chemung County sheriff reported water flowing across Rte. 64 in the town of Big Flats early on the 16th.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
31 NORTH CAROLINA									
Union Co. Marshville	5	1415EST			0	0	4	0	TSTM Winds Hail (1.00)
Union Co. 5 SE Monroe	5	1415EST			0	0	4	0	TSTM Winds
Union Co. 10 N Marshville	5	1545EST			0	0	0	0	Hail (2.00)
Union Co. Marshville	5	1558EST			0	0	0	0	Funnel Cloud
									Severe thunderstorms blew down trees that destroyed a car just north of Marshville. A barn was destroyed 5 miles southeast of Monroe.
Durham Co.	5	1640EST			0	0	0	0	Hail (0.75)
									Dime size hail was reported in northern Durham County.
Rutherford Co.	5	1735EST	6	400	0	0	5	0	Tornado (F4)
									A powerful tornado entered Rutherford County from South Carolina at a point about one mile west of U.S. Highway 221. The tornado moved north-northeast crossing Highway 221 before lifting just southwest of Heneritta. The tornado destroyed three mobile homes, one business and four permanent homes, one of which was a well-constructed one-story brick house. Six mobile homes and 21 houses were damaged. There were no injuries.
Henderson Co.	5	1740EST			0	1	0	0	TSTM Winds
									Severe thunderstorm winds blew down trees over much of Henderson County. One man was seriously injured when a tree fell on his car in Hendersonville. Trees were also blown down at Flat Rock and Etowah.
Caldwell Co.	5	1828EST	15	75	0	0	5	0	Tornado (F2)
									A small tornado touched down near State Highway 90, two miles north of Collettsville. The tornado moved east passing just south of Patterson. It then turned northeast moving just south of State Highway 268 before lifting one-half mile north of Grandin. The tornado produced damage along 50 percent of the track. Most damage was downed trees. Five older houses and three farm buildings were destroyed.
Caldwell Co. Granite Falls	5	1842EST			0	0	0	0	Funnel Cloud
McDowell Co.	5	1850EST			0	0	0	0	Mud Slides
									A funnel cloud was reported by the public near Granite Falls. Heavy rains from thunderstorms produced numerous mud slides in McDowell County.
Cleveland Co., Lincoln Co. and Catawba Co.	5	1754EST	14	800	4	52	7	?	Tornado (F4)
									The tornado first touched down 3 miles northwest of Lawndale. In Cleveland County the tornado's track was about 7 miles long. There were no deaths and 30 injuries. Thirty-four houses were damaged, 15 were destroyed. Some of the destroyed houses were well-constructed brick or frame homes. Two churches were destroyed and one was damaged. Damage in the county was around \$1 million. There was damage along 50 percent of the track. In Lincoln County the track was three miles long, the tornado having crossed the northwest corner of the county from 1806 to 1811 EST. Nineteen residences were destroyed and 12 were damaged. Nine mobile homes were destroyed and 6 were damaged. Some vehicles were lifted and carried 200 to 300 yards. Well-constructed houses were completely destroyed. There were 4 fatalities, all near Toluca. Three people were killed in vehicles, one in a home. There were 19 injuries. Dollar damage was near \$3.9 million. The tornado entered Catawba County at 1811 EST and traveled about 4 miles. There were no fatalities and only three minor injuries. There were 13 permanent residences destroyed or damaged and two mobile homes destroyed and two damaged. The track was about 400 yards wide at some points. Damage along the track was spotty. The tornado lifted near the junction of State Highways 127 and 10. Total dollar damage for the tornado was about \$5.6 million. M62V, F57V, M82P, MS0V
Orange Co. Carboro	5	1808EST			0	0	0	0	Hail (1.00)
Wilkes Co.	5	1809EST			0	0	0	0	Mud Slide
Chatham Co.	5	1810EST			0	0	0	0	Funnel Cloud TSTM Winds
Cleveland Co. 2 N Shelby	5	1815EST			0	0	0	0	TSTM Winds
Gaston Co. Gastonia	5	1820EST			0	0	0	0	TSTM Winds
									Heavy thunderstorm rains produced a minor mud slide which blocked a road in southern Wilkes County. Trees were blown down and a funnel cloud was reported in northeast Chatham County. Trees and power lines were blown down in Gastonia. The National Weather Service cooperative observer at Shelby reported winds gusting to 63 MPH.
— NORTH CAROLINA									
Durham Co. Durham	5	1820EST	8.75	100	0	0	7	0	Tornado (F2)
									The tornado touched down 1.5 miles southwest of the intersection of Interstate 40 and State Highway 54. The tornado moved northeast and took a slightly "S" shaped path 8.75 miles long through the south and east part of the City of Durham. The storm reached its greatest intensity (F2) and width (100 yards) as it crossed State Highway 55 and Riddle Road. A convenience store was nearly demolished at this point. The tornado destroyed 16 homes and 2 businesses. It damaged 46 homes, 5 businesses and an elementary school. In spite of the severe damage there were no deaths or serious injuries. The tornado lifted in the east part of the City of Durham about one-half mile east of U.S. Highway 70 along State Highway 98. Damage estimates were near \$15 million.
Granville Co. Creedmore	5	1905EST	2.5	40	0	0	6	0	Tornado (F1)
									Shortly after the Durham tornado the same cluster of thunderstorms produced another tornado near Creedmore. The tornado touched down on U.S. Highway 15 at the southwest city limit of Creedmore. It moved north for 2.5 miles before lifting at a point 1.5 miles south of Interstate 85. Six mobile homes and two houses were destroyed. About 75 homes were damaged.
Alexander Co. Taylorsville	5	1900EST			0	0	0	0	TSTM Winds
									Severe thunderstorm winds blew down trees and power lines in and around Taylorsville.
Union Co.	5	1901EST	13	500	1	6	7	0	Tornado (F4)
									The tornado first touched down 8 miles west of Monroe. It moved northeast for 13 miles before lifting about 3 miles south of Fairview. There was one fatality. An eight year old girl was killed in a double-wide mobile home. Six people were injured. Twelve permanent residences and 10 mobile homes were destroyed. Two mobile homes and 22 houses were damaged. Three businesses received major damage. Seventy-six booths at a flea market were destroyed. \$8 million in damage was done. FBH
Iredell Co. Union Co. Monroe	5	1910EST			0	0	0	0	TSTM Winds
Wilkes Co. Union Co. 9 SW Monroe	5	1915EST			0	0	0	0	Funnel Cloud
Cabarrus Co. Rowan Co. Cleveland	5	1915EST			0	0	0	0	TSTM Winds
Anson Co. Stanley Co. Albemarle	5	1918EST			0	0	0	0	TSTM Winds
Davie Co. Farmington	5	1920EST			0	0	0	0	TSTM Winds
Mecklenburg Co. 3 W Caldwell	5	1920EST			0	0	0	0	TSTM Winds
Rowan Co. China Grove	5	1930EST			0	0	0	0	Hail (1.00)
Yadkin Co. near Courtney	5	1930EST			0	0	0	0	TSTM Winds
Forsyth Co.	5	1938EST			0	0	0	0	TSTM Winds
									Severe thunderstorms continued to rake across the Piedmont area. Most damage was done to trees and power lines. Quarter size hail was reported in western Anson Co. Trees were blown down and some damage to farm buildings was done near Albemarle.
Forsyth Co. Clemmons	5	1943EST	0.5	100	0	8	6	0	Tornado (F2)
									A strong tornado touched down briefly in the city of Clemmons. It moved northeast for one-half mile, destroying a gas station, damaging houses and blowing down hundreds of trees.
Forsyth Co. Winston-Salem	5	1950EST	10.5	200	0	30	7	0	Tornado (F3) TSTM Winds
									The cluster of thunderstorms that produced the Clemmons tornado produced a second tornado. It first touched down two miles east of the intersection of Interstate 40 and U.S. Highway 158 in southwest Winston-Salem. The tornado moved northeast through the city before lifting on U.S. Highway 158 two miles south of State Highway 66. Widespread downburst wind damage occurred along with this tornado. Damage for this and the other two tornadoes in the county, as well as the downburst events totals 48 people injured, five buildings and seven houses destroyed, 85 buildings and homes damaged.
Anson Co.	5	1952EST	4.6	300	0	1	6	0	Tornado (F1)
									A small tornado touched down 12 miles south of Wadesboro and moved northeast for 4.6 miles before lifting about one mile west of Morven. One mobile home, one permanent residence, and a number of barns were destroyed. Two homes and three mobile homes were damaged.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— NORTH CAROLINA									
Mecklenburg Co. Charlotte	5	1955EST			0	0	0	0	TSTM Winds
Montgomery Co. Troy	5	2000EST			0	0	0	0	TSTM Winds
					Severe thunderstorm winds blew down trees and power lines in Troy and Charlotte.				
Stanley Co. Albemarle	5	2000EST	0.3	33	0	0	5	0	Tornado (F1)
					A small tornado touched down briefly 6 miles southwest of Albemarle. Most of the damage was to trees, but two homes were damaged.				
Forsyth Co.	5	2005EST	5.5	100	0	10	6	0	Tornado (F2)
					A third Forsyth County tornado touched down at the Smith Reynolds Airport, moved northeast and lifted near Walkertown. The tornado damaged hangars and overturned or damaged 30 airplanes, causing close to \$30 million in damage.				
Montgomery Co. Mount Gilead	5	2005EST			0	0	0	0	TSTM Winds
Stokes Co. Walnut Cove	5	2005EST			0	0	0	0	TSTM Winds
Davidson Co. Arcadia	5	2007EST			0	0	0	0	TSTM Winds
Cuiford Co. N of Oak Ridge	5	2010EST			0	0	0	0	TSTM Winds
Davidson Co. Southmont	5	2015EST			0	0	0	0	TSTM Winds
Randolph Co. Sophia	5	2017EST			0	0	0	0	TSTM Winds
Rockingham Co. 5 W Wentworth	5	2025EST			0	0	0	0	TSTM Winds
Stanley Co. Cullford Co.	5	2027EST			0	0	0	0	TSTM Winds
	5	2040EST			0	0	0	0	TSTM Winds
					near Osceola				
Alamance Co. Elon College	5	2045EST			0	0	0	0	TSTM Winds
Chatham Co. Goldston	5	2100EST			0	0	0	0	TSTM Winds
Caswell Co. Casville	5	2108EST			0	0	0	0	TSTM Winds
					Severe thunderstorms continued over the piedmont. An amateur radio operator measured gusts to 60 MPH in Walnut Grove. In most counties the damage was limited to downed trees and power lines. In Sophia downburst winds produced about a 4 mile long path of intermittent wind damage, consisting mostly of downed trees and power lines.				
Bladen Co. Clarkton	5	2105EST			0	0	0	0	TSTM Winds
Columbus Co. Evergreen	5	2110EST			0	0	0	0	TSTM Winds
Lee Co. Tranway	5	2130EST			0	0	0	0	TSTM Winds
Wake Co. 5 S Garner	5	2145EST			0	0	0	0	TSTM Winds
Sampson Co. near Harrelle	5	2145EST			0	0	0	0	TSTM Winds
Harnett Co. Angler	5	2150EST			0	0	0	0	TSTM Winds
Duplin Co. Wallace	5	2200EST			0	0	0	0	TSTM Winds
Pender Co. 2 E Atkinson	5	2200EST			0	0	0	0	TSTM Winds
Brunswick Co. Ocean Isle	5	2205EST			0	0	5	0	TSTM Winds
Brunswick Co. Bolivia	5	2210EST			0	0	0	0	Hail (0.75)
					Thunderstorms moved into the eastern piedmont and the coastal area. Strong downbursts continued to blow down trees and power lines over the area. In Brunswick County a powerful downburst struck Ocean Isle. Twenty-three trailers and buildings received some damage. Nickel size hail fell in Bolivia.				
Iredell Co. and Mecklenburg Co. Lake Norman	6	1115EST			2	0	4	0	TSTM Winds
Lincoln Co. S of Lincolnton	6	1130EST			0	0	0	0	TSTM Winds
Cleveland Co. Shelby	6	1130EST			0	0	0	0	TSTM Winds
Catawba Co. Hickory	6	1134EST			0	0	0	0	TSTM Winds
Caston Co. Dallas and Bessemer City	6	1135EST			0	0	0	0	TSTM Winds
Catawba Co. Caston Co.	6	1140EST			0	0	4	0	TSTM Winds
	6	1145EST			0	0	0	0	TSTM Winds
Cherryville Anson Co.	6	1145EST			0	0	0	0	TSTM Winds
N of Wadesboro Surry Co. Burch	6	1145EST			0	0	0	0	TSTM Winds
Cabarrus Co. Concord	6	1215EST			0	0	0	0	TSTM Winds
— NORTH CAROLINA									
Rowan Co. Kannapolis	6	1215EST			0	0	0	0	TSTM Winds
Rowan Co. Salisbury	6	1230EST			0	0	0	0	TSTM Winds
Davie Co. Mocksville	6	1235EST			0	0	0	0	TSTM Winds
Randolph Co. Archdale	6	1235EST			0	0	0	0	TSTM Winds
Rockingham Co. Reidsville	6	1245EST			0	0	0	0	TSTM Winds
Cuiford Co. High Point	6	1250EST			0	0	0	0	TSTM Winds
Cuiford Co. Greensboro	6	1255EST			0	0	0	0	TSTM Winds
Forsyth Co. Winston-Salem	6	1300EST			0	0	0	0	TSTM Winds
Caswell Co. SE of Fitch	6	1310EST			0	0	0	0	TSTM Winds
Cuiford Co. Browns Summit	6	1310EST			0	0	0	0	TSTM Winds
Chatham Co. Siler City	6	1315EST			0	0	0	0	TSTM Winds
Alamance Co. Graham	6	1320EST			0	0	0	0	TSTM Winds
Alamance Co. Union Ridge	6	1335EST			0	0	0	0	TSTM Winds
Caswell Co. E of Blanch	6	1335EST			0	0	0	0	TSTM Winds
Chatham Co. 10 N Pittsboro	6	1340EST			0	0	0	0	TSTM Winds
					For the second day numerous severe thunderstorms produced widespread downburst wind damage over the central part of the state. Most damage was downed trees. In southeast Catawba County the roof was blown off a house. At a Greensboro television station wind gusts were recorded at 75 MPH. Two men drowned in Lake Norman when the lake was struck by severe thunderstorms. About 100 large sailboats were taking part in the Michelob Cup Regatta. Thirty boats were capsized, many of which were driven onto the shore by high winds. M44boat M51boat				
Stokes Co. Danbury	06	1230EST			0	0	0	0	TSTM Winds
					Thunderstorm winds blew down trees in Danbury.				
Durham Co. Durham	6	1352EST			0	0	0	0	TSTM Winds
Wake Co. Zebulon	6	1415EST			0	0	0	0	TSTM Winds
Nash Co. Nashville	6	1520EST			0	0	0	0	TSTM Winds
Union Co. SE of Monroe	6	1530EST			0	0	4	0	TSTM Winds
Bertie Co. Lewiston	6	1607EST			0	0	0	0	Funnel Cloud
Gates Co. Sunbury	6	1630EST			0	0	0	0	TSTM Winds
					Severe thunderstorms continued developing over eastern North Carolina. Southeast of Monroe roofs were blown off two houses. Trees were blown down in Wake, Durham, Gates, and Bertie counties. Winds blew the roof off a small store in Nashville. A funnel cloud was reported in Lewiston.				
Carteret Co. Cape Carteret	13	0130EST			0	0	0	0	Hail (0.75)
					Nickel size hail fell in Cape Carteret.				
Mecklenburg Co. 2 E Davidson	15	1420EST			0	0	0	0	Hail (0.75)
Durham Co.	15	1540EST			0	0	0	0	Hail (1.75)
					Golf ball size hail fell in the southwest part of Durham County. Nickel size hail fell in Davidson.				
Cherokee Co. Cherokee Co. Murphy	20	1819EST			0	0	0	0	TSTM Winds
	20	1845EST			0	0	0	0	Hail (0.75)
					Severe thunderstorms produced large hail and blew down trees in southwest Cherokee County.				
Davie Co. 5 SE Mocksville	21	2000EST			0	0	0	0	Hail (1.00)
					Quarter size hail fell near Mocksville.				

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
NORTH CAROLINA											
Anson Co. Wadesboro	22	1544EST			0	0	0	0			Hail (1.75)
Rockingham Co. 5 NW Reidsville	22	2015EST			0	0	0	0			Hail (1.75)
Rockingham Co. Madison	22	2030EST			0	0	0	0			TSTM Winds
Forsyth Co. Belew Creek	22	2045EST			0	0	0	0			TSTM Winds
Cleveland Co. Kings Mountain	22	2053EST			0	0	0	0			TSTM Winds
					In Rockingham County thunderstorms blew down trees near Madison and produced golf ball size hail near Reidsville. Winds also blew down trees near Belew Creek and Kings Mountain.						
Onslow Co. Watha	23	1240EST			0	0	6	0			TSTM Winds
Onslow Co. Richlands	23	1318EST			0	0	0	0			Funnel Cloud
Pitt Co. near Calico	23	1356EST			0	0	0	0			TSTM Winds
Hertford Co. Murfreesboro	23	1450EST			0	0	0	0			TSTM Winds
Hertford Co. Murfreesboro	23	1500EST			0	0	0	0			Lightning
Iredell Co. Statesville	23	1515EST			0	0	0	0			Hail (1.75)
Guilford Co. Jamestown	23	1610EST			0	0	0	0			TSTM Winds
					In Watha in Onslow County trees were blown down on a house and a car. A funnel cloud was sighted in Richlands. Trees were blown down in Pitt, Hertford and Guilford counties. Large hail fell in Iredell County near Statesville. Lightning started a fire that destroyed a house in Murfreesboro.						
Jones Co. 4 E Comfort	23	1330EST			0	0	4	0			TSTM Winds
					Thunderstorm winds blew down trees, destroying a car and a greenhouse near Comfort.						
Johnston Co. Kenly	23	1911EST			0	0	0	0			TSTM Winds
Wilson Co. near Sims	23	1920EST			0	0	0	0			TSTM Winds
Edgecombe Co. Pinetops	23	2003EST			0	0	0	0			TSTM Winds Hail (0.75)
Macclesfield Pitt Co.	23	2022EST			0	0	0	0			Hail (1.75)
Greenville Gates Co.	23	2100EST			0	0	0	0			Hail (0.75)
Hertford Co. Murfreesboro	23	2100EST			0	0	0	0			TSTM Winds
					Trees and power lines were blown down in Kenly, Murfreesboro, Pinetops and western Wilson County. Large hail fell in Macclesfield, Greenfield, and Gates.						
Swain Co. Bryson City	26	2110EST			0	0	0	0			TSTM Winds
Jackson Co. Sylva	26	2125EST			0	0	0	0			TSTM Winds
Haywood Co. Balsam	26	2135EST			0	0	0	0			TSTM Winds
Madison Co. Mars Hill	26	2138EST			0	0	0	0			TSTM Winds
Yancy Co. Bent Creek	26	2143EST			0	0	0	0			TSTM Winds
Henderson Co. Fletcher	26	2210EST			0	0	0	0			TSTM Winds
Henderson Co. Mills River	26	2240EST			0	0	0	0			TSTM Winds
Rutherford Co. Forest City	26	2300EST			0	0	0	0			TSTM Winds
					Severe thunderstorms blew down trees and power lines over much western North Carolina.						
32 NORTH DAKOTA											
Golden Valley County 6N Beach	03	1735CST	Short	10	0	0	0	0	0	0	Tornado (FO)
					A tornado touched down briefly.						
Walsh County 4NW Grafton	17	1533CST									Funnel
Bowman County Bowman	23	2152CST			0	0	0	0	0	0	Hail (1.75)
Scranton	23	2220CST			0	0	0	0	0	0	Hail (1.75)
Hettinger County 10SE New England	23	2200CST			0	0	4	0	0	0	TSTM Wind
Stark County Dickinson	23	2204CST			0	0	0	0	0	0	TSTM Wind (54)
Dickinson	23	2218CST			0	0	0	0	0	0	TSTM Wind (50)
Taylor	23	2248CST			0	0	0	0	0	0	TSTM Wind (61)
Morton County Glen Ullin	23	2315CST			0	0	0	0	0	0	TSTM Wind
					Thunderstorms with strong winds and hail moved through southwestern North Dakota late in the evening on the 23rd. These thunderstorms were associated with a deep fast-moving low pressure system. Hail up to golfball size occurred over Bowman County, while wind gusts to 70 mph were recorded at Taylor in Stark County. Also in Stark County, wind gusts to 62 mph were recorded at the Dickinson airport. These severe winds persisted for about 15 minutes. In western Morton County, winds blew down large tree branches in the town of Glen Ullin. In Hettinger County, winds twisted tin roofs off of buildings, and destroyed some other old farm buildings.						
Ridder County 10SE Tappen	24	0100CST			0	0	4	0	0	0	TSTM Wind
					Winds moved farm machinery, rolled over a cattle trailer several times, and damaged farm buildings.						
McHenry County Karlruhe	24	0100CST			0	0	4	0	0	0	TSTM Wind (61)
					Winds toppled trees, lifted shingles from roofs and demolished small outbuildings.						
Pierce County Rugby	24	0200CST			0	0	4	0	0	0	TSTM Wind
					Winds uprooted large trees, moved trailers, and flipped over bleachers.						
Stark County 12S Belfield	29	0200CST			0	0	6	?	?	?	TSTM Wind
Dickinson	29	0240CST			0	0	?	?	?	?	TSTM Wind
15SE Dickinson	29	0256CST			0	0	?	?	?	?	Hail (0.75)
Richardton	29	0435CST			0	0	?	?	?	?	TSTM Wind (52)
Morton County Hebron	29	0310CST			0	0	4	?	?	?	TSTM Wind
New Salem	29	0345CST			0	0	4	?	?	?	TSTM Wind (61)
Mandan	29	0410CST			0	0	0	0	0	0	Hail (0.75)
Grant County 14N Elgin	29	0330CST			0	7	6	?	?	?	TSTM Wind Hail (1.00)
Hettinger County 25E New England	29	0330CST			0	0	5	?	?	?	TSTM Wind
					Cool moist unstable air contributed to an outbreak of severe thunderstorms during the early morning hours of the 29th, Memorial Day, over southwestern North Dakota.						
					A fast-moving line of thunderstorms, moving eastward at 60 to 65 mph, produced damaging winds in Stark, Grant, Hettinger and Morton counties. The destructive winds began about 12 miles south of Belfield (Stark County) and spread eastward to New Salem (Morton County) and southeastward to Lake Tschida (Grant County).						
					Wind gusts to 91 mph were unofficially recorded in the damage area, with estimated peak gusts of 100 mph. The storm also packed hail and up to two inches of rain.						
					Over 260 farm buildings and mobile homes were toppled, damaged or destroyed. More than 120 powerline poles were snapped off and countless trees were broken or uprooted. There was also damage to 150 grain bins and silos, and 150 pieces of machinery and equipment.						
					Stark County was hardest hit by the storm, with damage estimates of 3.5 million dollars. The winds leveled miles of utility poles, destroyed farm buildings, killed livestock and hurled farm vehicles. Winds smashed home windows, and destroyed a chicken coop and a 100-foot long machine shop 12 miles south of Belfield. At the Dickinson airport, the winds flipped over an aircraft. Meanwhile, 15 miles southeast of Dickinson, the winds blew a 10,000 bushel grain bin a mile away.						
					In northwestern Grant County, at the Lake Tschida resort area, strong winds and falling trees damaged trailers, boats and campers. Anchored-down trailers were overturned and three trailers were totally demolished. Seven people suffered minor injuries. The winds also destroyed nearby barns and snapped 6-inch tree branches. Wind speeds were estimated in excess of 70 mph.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
NORTH DAKOTA									
									In western and central Morton County, winds destroyed garages and sheds in rural Hebron. In New Salem, 70 mph winds collapsed barns and grain bins, and crushed trailers.
									In northern Hettinger County, the winds destroyed farm buildings, pushed over a tractor-trailer that was housed inside a building, and threw about grain bins. Damage was estimated at \$300,000.
Billings County, 8N Belfield	29	0332CST			0	0	?	?	Hail (0.75)
Butleigh County, Biswarck	29	0435CST			0	0	0	0	Hail (0.75)
Ransom County, Lisbon	29	0928CST			0	0	0	0	TSTM Wind (57)
									Strong winds in excess of 66 mph uprooted trees, blew away grain bins, moved buildings from their foundations, blew over fences, and exploded water tanks.
Richland County:									
Mantador	29	0930CST	Short	10	0	0	4	0	Tornado (F0)
Wyndmere	29	0930CST			0	0	4	4	TSTM Wind
13W Wahpeton	29	0942CST	Short	10	0	0	4	0	Tornado (F0)
Wahpeton	29	0945CST			0	0	6	6	TSTM Wind (57)
Fairmount	29	1145CST			0	0	4	0	Hail (1.00)
									A brief tornado touchdown was sighted at Mantador at 0930CST. The tornado tore off the top of a grain elevator, downed trees and powerlines, and crumpled a 43,000 bushel grain bin. At 0942CST, another tornado touched down briefly 13 miles west of Wahpeton. This tornado also damaged trees and power lines, overturned a grain bin, and moved a silo off its foundation.
									Strong winds in Wyndmere blew over grain bins, uprooted trees, and ripped away roofing material and sections of grain elevators.
									At 0945CST, one-inch hail and 66 mph winds occurred in the city of Wahpeton. Up to 6 inches of hail covered the ground. This storm damaged up to 15,000 acres of sugar beets in the southern Red River Valley.
									At 1145CST, winds toppled a corn-filled grain bin in the town of Fairmount.
Sargent County:									
Forman	29	1030CST			0	0	0	0	Hail (1.50)
Havana	29	1110CST			0	0	0	0	Hail (1.00)
33 OHIO									
OHZ009 Pike County	01	0000 EST-0700 EST			0	0	?	?	Flood
									The Scioto River at Piketon remained above flood stage from late April. The crest was 21.1 feet and occurred at 0600 EST on April 30th. This was 5.1 feet above flood stage. The highest level for this period of flood, in May was 17.2 feet. Only minor lowland flooding occurred.
Highland County	02	1200 EST			1	1	0	0	Lightning
									Lightning killed one man and injured another in a boat on Rocky Fork Lake. Lightning M390.
Summit County	20	1645 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm blew down and uprooted trees near Winisila Reservoir and a large boat was overturned on the reservoir.
OHZ008 Hamilton County	23	1400 EST-24 0600 EST			0	0	?	?	Flood
									The Great Miami River went into flood and crested at 21 feet at 2200 EST on the 23rd. This was 5 feet above flood stage and minor flooding occurred along the river.
Fulton County	25	0440 EST	2.5	50	0	0	5	0	Tornado (F1)
									An early morning tornado moved cars, imploded windows, destroyed a shed, sheared tops off trees and damaged a factory in Fayette.
Pike County	25	0515 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm blew down trees, ripped off an awning and pulled up a satellite dish near Piketon.
OHIO									
Hardin County	25	1838 EST			0	0	4	0	Thunderstorm Wind
Logan County	25	1838 EST			0	0	4	0	Thunderstorm Wind
Crawford County	25	2000 EST			0	0	4	0	Thunderstorm Wind
Huron County	25	2020 EST			0	0	4	0	Thunderstorm Wind
Muskingum County	25	2030 EST			0	0	4	0	Thunderstorm Wind
Lorain County	25	2050 EST			0	0	4	0	Thunderstorm Wind
Cuyahoga County	25	2119 EST			0	0	4	0	Thunderstorm Wind
Stark County	25	2130 EST			0	0	4	0	Thunderstorm Wind
Summit County	25	2133 EST			0	0	4	0	Thunderstorm Wind
Van Wert County	25	2145 EST			0	0	4	0	Thunderstorm Wind
Lake County	25	2146 EST			0	0	4	0	Thunderstorm Wind
Portage County	25	2150 EST			0	0	4	0	Thunderstorm Wind
									Thunderstorms moved across Ohio during the afternoon and evening hours. Trees and power lines were blown down in southeast Hardin County; West Mansfield, Logan County; near Bucyrus, Crawford County; in Zanesville, Muskingum County; across Stark and Summit counties; in Delphos and Van Wert, Van Wert County; near Routes 615 and 20 in Mentor, Lake County; and in Aurora and Kent in Portage County. Trees and a barn were blown down near New London in Huron County. Trees and power lines were blown down and a mobile home was damaged on Broadway between 34th & 36th streets in Elyria. Winds gusted to 59 mph at the Lorain Light House. Tree damage was reported at 86th and Madison streets in Cleveland, and winds gusted to 59 mph in North Royalton, Cuyahoga County.
Mercer County	25	2240 EST	4.0	50	0	0	5	0	Tornado (F1)
									A tornado crossed the Indiana-Ohio border two and one-half miles east of Salem, Indiana and moved across the northwest corner of Mercer County. It dissipated 6 miles west-northwest of Rockford, Ohio at 2315 EST. Four buildings were damaged and many trees and power lines were downed. Damage estimates were around \$90,000.
Auglaize County	25	2330 EST	0.5	50	0	0	5	0	Tornado (F1)
									A tornado touched down briefly near the intersection of Buckland-Holden and Wapakoneta-Cridersville roads near the town of Buckland. A barn, garage and patio were destroyed. Trees were blown down and power poles snapped off.
Wyandot County	26	0030 EST	0.5	50	0	0	5	0	Tornado (F1)
									A tornado touched down briefly near State Routes 294 and 231 in southeastern Wyandot County. Trees and power lines were blown down, and one house sustained moderate damage.
Marion County	26	0100 EST	0.75	50	0	0	5	0	Tornado (F1)
									A tornado touched down west of the town of Marion. It moved a 100 gallon fuel tank 505 yards, took a roof off a building, flipped over a tractor-trailer, and emptied a 6 foot trench that was filled with water.
Preble County	26	0125 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm downed trees and power lines in Eaton and New Paris.
Butler County	26	0300 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm blew down trees in Ross and Madison townships.
OHZ001-002-003-004-005-008-010-011	26	0000 EST-26 1200 EST			2	?	7	?	Small Stream Flooding
									General rainfall of 1 to 3 inches across the northwestern half of Ohio caused extensive flooding. Localized amounts around 4 inches occurred in some areas. Rainfall over this part of Ohio for May had been heavy and frequent, resulting in saturated ground conditions. Most of the damage was from small streams and creeks overflowing and local storm sewers backing up into homes and businesses. Larger rivers also reacted to the excessive rainfall and many went into flood. West-Central and Northeast Ohio received the most rain and experienced the worst flooding. In Mercer County nearly 4 inches of rain fell on parts of the county, causing the Wabash River flood. 100 people were evacuated in Fort Recovery. One bridge was washed out and water rose to between 3 and 5 feet across the downtown area. A large steel door on a milk production plant was ripped off from the excessive water pressure. Around 4 inches of rain also fell on Preble, Butler and Montgomery counties in a couple of hours. Flooding occurred on Seven Mile Creek, in Preble and Butler counties; and Twin Creek in Montgomery County. 200 people were evacuated in Camden, on Seven Mile Creek. Mobile homes were knocked over and cars were carried away or moved. In Camden three houses and 10 mobile homes were complete losses. Seventy-five houses received minor to major damage. Seventy-six mobile homes received minor to major damage. In Butler County, Seven Mile Creek flooded the towns of Somerville and Collinsville. Two mobiles were destroyed and 14 houses had minor to major damage. The creek expanded to over 100 yards wide at one point and trapped a family. In Montgomery County, Twin Creek flooded Germantown and damaged 125 houses. In Hamilton County a temporary bridge crossing the Miami River, at Hamiltown, collapsed, sending a car plunging into the river. Two people lost their lives. In Lake and Geauga counties rainfall of 2 to 4 inches fell between 0200 and 0400 EST. Rivers and streams in western Geauga and western Lake counties were severely affected. Severe damage to homes occurred when the crest reached Eastlake and Willoughby Hills in Lake County. 50 families in Eastlake and

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OHIO									
									46 families in Willoughby Hills were evacuated. In Hancock County, a woman died when she drove her car across a flooded road and was carried away. In Clark County a 20 month old boy wandered away from his grandparents' house and fell into Donnels Creek near Dayton and drowned. Flood F24V M010.
OHZ002 Erie County	26	0400 EST-			0	0	?	?	Flood
	27	1330 EST							The Huron River at Milan went into flood and crested at 18.7 feet at 1300 EST on the 26th. This was 4.7 feet above flood stage with minor flooding along the river.
OHZ002 Cuyahoga County	26	0400 EST-			0	0	6	?	Flood
	26	1930 EST							The Cuyahoga River crested at 19.9 feet at 0930 EST. This was 3.9 feet above flood stage. 50 families were evacuated in Independence and many boats, docked near the mouth of this river, were damaged or destroyed when the crest reached them.
OHZ011 Marion County	26	1130 EST-			0	0	?	?	Flood
	28	0700 EST							The Scioto River at Prospect went into flood and crested at 12.1 feet at 1700 EST on the 28th. This was 2.1 feet above flood stage and only minor lowland flooding occurred.
OHZ006 Hocking County	26	1200 EST-			0	0	?	?	Flood
	27	1830 EST							The Hocking River at Enterprise went into flood and crested at 15.6 feet at 1900 EST, the 26th. This was 3.6 feet above flood stage and only minor flooding occurred.
OHZ008 Hamilton County	26	1200 EST-			2	0	?	?	Flood
	28	1800 EST							The Great Miami River at Miamitown went into flood for the second time in May. The crest reached 24 feet at 0100 EST on the 27th. This was 8 feet above flood stage and major damage occurred. About 200 feet of a temporary bridge was washed out by the river. When this happened one car plunged into the river with two women aboard. Both of them drowned and the car was not found for many days. Flood F52V F25V.
OHZ006 Pickaway County	26	1200 EST-			0	0	?	?	Flood
	30	0900 EST							The Scioto River at Circleville went into flood and crested at 17.1 feet at 1900 EST on the 27th. This was 3.1 feet above flood stage and only minor lowland flooding occurred.
OHZ011 Marion County	26	1200 EST-			0	0	?	?	Flood
	28	0600 EST							The Scioto River at LaRue went into flood and crested at 12.4 feet at 0100 EST on the 27th. This was 1.3 feet above flood stage and only minor lowland flooding occurred.
OHZ001 Hancock County	26	1600 EST-			0	0	?	?	Flood
		1700 EST							The Blanchard River at Findlay briefly reached the flood stage of 10 feet during the afternoon. Very minor flooding occurred immediately along the river.
OHZ009 Pike County	26	1800 EST-			0	0	?	?	Flood
	30	2000 EST							The Scioto River at Picketon went into flood and crested at 19.5 feet at 1700 EST on the 27th. This was 3.5 feet above flood stage and only minor lowland flooding occurred.
OHZ002 Sandusky County	27	0100 EST-			0	0	?	?	Flood
	28	0730 EST							The Portage River at Woodville went into flood and crested at 9.9 feet at 0100 EST on the 28th. This was nine-tenths of a foot above flood stage. Only lowland flooding occurred.
OHZ001 Lucas County	27	1130 EST-			0	0	?	?	Flood
	29	0100 EST							The Maumee River at Waterville went into flood and crested at 10 feet at 0000 EST on the 28th. This was one foot above flood stage and only lowland flooding occurred.
Trumbull County	30	1725 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm blew down trees and power lines in Hubbard.
Mercer County	30	1736 EST			0	0	4	0	Thunderstorm Wind
									A thunderstorm blew down trees and power lines across the county.
OHIO									
Williams County	31	1900 EST			0	0	4	0	Thunderstorm Wind
Fulton County	31	1908 EST			0	0	4	0	Thunderstorm Wind
Lucas County	31	1910 EST			0	0	4	0	Thunderstorm Wind
Wood County	31	1943 EST			0	0	4	0	Thunderstorm Wind
Ottawa County	31	1950 EST			0	0	4	0	Thunderstorm Wind
Erie County	31	2040 EST			0	0	4	0	Thunderstorm Wind
Lorain County	31	2100 EST			0	0	4	0	Thunderstorm Wind
									Thunderstorms erupted across Northwest Ohio during the evening and moved into North-Central Ohio. A barn was destroyed and trees were downed near Montpelier, Williams County. Trees and power lines were downed in Delta, Fulton County; Rossford, Wood County; Sandusky and Huron, Erie County; and Vermillion, Lorain County. Winds gusted to 58 mph at the Toledo Express Airport, and trees and power lines were down throughout Lucas County. Winds gusted to 60 mph and trees were downed in Genoa, Ottawa County.
34 OKLAHOMA									
Caddo County,	02	0920CST			0	0	?	?	Hail (1.00)
2 E Cogar									
Beckham County,	02	0930CST			0	1	?	?	Lightning
Sayre									
Grady County,	02	0931CST			0	0	?	?	Hail (1.00)
Mineo									
Grady County,	02	0944CST			0	0	?	?	Hail (0.88)
1 S Tuttle									
Grady County,	02	0952CST			0	0	?	?	Hail (0.75)
5 E Tuttle									
Grady County,	02	0958CST			0	0	?	?	Hail (1.00)
7 SE Tuttle									
McClain County,	02	1000CST			0	0	?	?	Hail (0.75)
Newcastle									
Comanche County,	02	1017CST			0	0	?	?	Hail (0.88)
Meers									
Cleveland County,	02	1024CST			0	0	?	?	Hail (0.75)
Noble									
Caddo County,	02	1100CST			0	0	?	?	Hail (0.88)
5 SW Anadarko									
Pottawatomie County,	02	1100CST			0	0	?	?	Hail (0.75)
3 SSE Trosdale									
Payne County,	02	1155CST-			0	0	5	?	Lightning
Cushing		1415CST							
Stephens County,	02	1119CST			0	0	?	?	Hail (1.75)
Duncan									
Stephens County,	02	1130CST			0	0	?	?	Hail (0.75)
Velma									
Grady County,	02	1130CST			0	0	?	?	Hail (0.75)
5 W Rush Springs									
Grady County,	02	1140CST			0	0	?	?	Hail (0.88)
Rush Springs									
Stephens County,	02	1150CST			0	0	?	?	Hail (0.75)
1 SW Marlow									
Seminole County,	02	1200CST			0	0	?	?	Hail (0.75)
4 ESE Konawa									
Jefferson County,	02	1200CST			0	0	?	?	Hail (0.75)
Addington									
Carter County,	02	1204CST			0	0	?	?	Hail (0.75)
3 S Ratliff City									
Carter County,	02	1229CST			0	0	?	?	Hail (0.75)
10 N Ardmore									
Carter County,	02	1255CST			0	0	?	?	Hail (0.75)
Springer									
Carter County,	02	1315CST			0	0	?	?	Hail (0.88)
5 E Gene Autry									
Payne County,	02	1320CST			0	0	?	?	Hail (0.75)
Perkins									
Johnston County,	02	1334CST			0	0	?	?	Hail (0.75)
Mannville									
Marshall County,	02	1345CST			0	0	?	?	Hail (0.75)
8 S Tishomingo									
Marshall County,	02	1350CST			0	0	?	?	Hail (0.88)
11 E Madill									
									Thunderstorms moved eastward across the state producing hail up to the size of golf balls and numerous cloud-to-ground lightning strikes, resulting in several fires. A Sayre man was injured when he was struck by lightning, but was later released from a local hospital. In Cushing, 4 homes and a Girl Scout building were struck by lightning between 1155CST and 1415CST. In Yale, lightning struck a storage tank. The resulting explosion knocked the top 250 feet off.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA									
Kingfisher County, 9 E Hennessey	03	2350CST			0	0	?	?	TSTM Wind (70)
Logan County, 2 SW Marshall	04	0000CST			0	0	?	?	Hail (0.88)
Blaine County, near Watonga	04	0005CST			0	0	?	?	Hail (0.75)
Canadian County, 7 NW Calumet	04	0020CST			0	0	?	?	Hail (0.75)
Kingfisher County, Kingfisher	04	0030CST			0	0	?	?	TSTM Wind (55)
Canadian County, El Reno	04	0050CST			0	0	?	?	TSTM Wind (60)
Oklahoma County, Edmond	04	0100CST			0	0	?	?	TSTM Wind (52)
Oklahoma County, N Oklahoma City	04	0115CST			0	0	?	?	TSTM Wind
Cleveland County, Lexington	04	0150CST			0	0	?	?	TSTM Wind (52)
Mc Clain County, Byers	04	0150CST			0	0	?	?	Hail (0.75)
Garvin County, Paoli	04	0220CST			0	0	?	?	Hail (0.75)
Seminole County, Sasakwa	04	0220CST			0	0	?	?	Hail (0.75)
Garvin County, Pauls Valley	04	0222CST			0	0	?	?	Hail (0.75)
Pontotoc County, Byng	04	0225CST			0	0	?	?	TSTM Wind (52)
Murray County, 1 N Sulphur	04	0238CST			0	0	?	?	Hail (1.50)
Murray County, Sulphur	04	0300CST			0	0	?	?	Hail (1.50)
Hughes County, Atwood	04	0300CST			0	0	?	?	TSTM Wind
Harmon County, 7 N Hollis	04	0300CST			0	0	?	?	Hail (0.88)
Johnston County, Tishomingo	04	0326CST			0	0	?	?	Hail (0.88)
Jackson County, Eldorado	04	0345CST			0	0	?	?	Hail (0.88)
Bryan County, 7 W Durant	04	0400CST			0	0	?	?	TSTM Wind
Bryan County, 3 E Silo	04	0400CST			0	0	?	?	Hail (0.88)
Muskogee County, Muskogee	04	0405CST			0	0	4	?	Lightning
Mc Curtin County, Idabel	04	0430CST			0	0	4	?	Lightning
<p>Thunderstorms first became severe in western Oklahoma shortly after midnight CST, producing hail up to the size of golf balls and winds of 52 knots. A billboard was blown over and onto 3 parked cars in north Oklahoma City at 0115CST. Tree limbs were downed in Ringling. Lightning struck the Mc Curtin Memorial Hospital in Idabel and resulted in a temporary power outage and minor structural damage. Lightning struck a 4-story home in Muskogee and the resulting fire destroyed the home. Damage was estimated at 40,000 dollars.</p>									
Kiowa County, Mountain Park	04	1852CST			0	0	?	?	Hail (0.75)
Harmon County, 3 N Hollis	04	1840CST			0	0	?	?	TSTM Wind
Kiowa County, Mountain Park	04	1855CST			0	0	?	?	Hail (0.75)
Tillman County, 5 NW Tipton	04	1855CST			0	0	?	?	TSTM Wind (52)
Kiowa County, Snyder	04	1856CST			0	0	?	?	Hail (2.75)
Jackson County, Altus	04	1857CST			0	0	?	?	TSTM Wind (56)
Jackson County, Eldorado	04	1858CST			0	0	?	?	TSTM Wind (78)
Jackson County, Humphreys	04	1930CST			0	0	?	?	TSTM Wind (70)
Tillman County, Fredrick	04	1940CST			0	0	?	?	TSTM Wind (52)
Comanche County, Chattanooga	04	1940CST			0	0	?	?	TSTM Wind
Comanche County, (LAW) Lawton	04	1947CST			0	0	?	?	TSTM Wind (50)
Tillman County, Davidson	04	1955CST			0	0	?	?	TSTM Wind (52)
Cotton County, 6 W Temple	04	2005CST			0	0	?	?	TSTM Wind
Carter County, 3 S Healdton	04	2100CST			0	0	?	?	TSTM Wind (52)
Love County, 2 E Rubottom	04	2100CST			0	0	3	?	TSTM Wind
Johnston County, Milburn	04	2100CST			0	0	?	?	Hail (0.88)
Jefferson County, 5 S Ringling	04	2100CST			0	0	?	?	TSTM Wind
Bryan County, Kenefic	04	2140CST			0	0	?	?	Hail (0.88)
<p>A line of thunderstorms producing widespread damaging winds (known as a Derecho) developed in West Texas and moved rapidly southeast into southwestern Oklahoma. Some of the storms also produced large hail. Baseball size hail fell in Snyder.</p>									
OKLAHOMA									
Delaware County, 3.5 NNW Moseley	08	1830CST	5	50	0	1	5	?	Tornado (F2)
Adair County, Watts	08	1925CST			0	0	?	?	Hail (0.88)
Adair County, 2 W Westville	08	1944CST			0	0	?	?	Hail (1.00)
Adair County, 2 W Westville	08	2000CST			0	0	?	?	Hail (0.88)
Adair County, 2 E Stilwell	08	2115CST			0	0	?	?	Hail (0.88)
Cherokee County, 5 E Cookson	08	2215CST			0	0	?	?	Hail (0.75)
Adair County, near Bunch	08	2220CST			0	0	?	?	Hail (0.75)
LeFlore County, Spiro	08	2301CST			0	0	?	?	Hail (0.75)
Haskell County, Keota	09	0115CST			0	0	?	?	Hail (1.75)
Muskogee County, 1 N Muskogee	09	0115CST			0	0	?	?	Hail (1.00)
Muskogee County, 1 N Muskogee	09	0115CST			0	0	?	?	TSTM Wind (52)
Haskell County, Mc Curtin	09	0128CST			0	0	?	?	Hail (1.75)
Muskogee County, near Summit	09	0200CST			0	0	?	?	Hail (1.75)
LeFlore County, Panama	09	0210CST			0	0	?	?	Hail (1.75)
LeFlore County, Wister	09	0210CST			0	0	?	?	Hail (1.00)
LeFlore County, 3 N Heavener	09	0230CST			0	0	?	?	Hail (0.88)
Lattimer County, 2 N Red Oak	09	0300CST			0	0	?	?	Hail (0.75)
Muskogee County, 1 N Forum	09	0310CST			0	0	?	?	Hail (1.00)
Haskell County, Stigler	09	0330CST			0	0	?	?	Hail (0.75)
<p>damaging the roofs of 90 percent of the homes in town. Winds of nearly 80 knots produced considerable damage. One-half mile of power lines were blown down near Hollis, and power lines were also blown down in Altus. A storage shed in Altus also lost its roof. Gas pumps were blown over in Chattanooga. Several food booths and tents were destroyed at an outdoor arts festival in Lawton. A power pole was blown down west of Temple and the roof of a chicken house was ripped off and large tree limbs were downed east of Rubottom.</p> <p>Thunderstorms in Northeast Oklahoma spawned a tornado and hail up to the size of golf balls. At 1830CST a tornado (F2) touched down 3.5 miles NNW of Moseley in Delaware County, and lifted at approximately 1845CST 0.8 miles southwest of Moseley. As the tornado moved in a southerly direction, the damage width was between 50 yards and 100 yards wide and the path was 5 miles long. Three mobile homes were destroyed, which resulted in one minor injury. Seven homes were damaged and 5 barns were damaged or destroyed. Moseley is 4 miles east of Colcord.</p>									
Texas County, 2 S Eva	13	1712CST			0	0	?	?	Hail (1.75)
Texas County, Keyes	13	1716CST			0	0	?	?	Hail (1.00)
Cimarron County, Keyes	13	1720CST			0	0	?	?	Hail (1.00)
Texas County, Texhoma	13	1800CST			0	0	?	?	Hail (1.75)
Choctaw County, Choctaw Co.	13	1910CST			0	0	?	?	Hail (0.75)
Caddo County, Eakly	13	2115CST			0	0	?	?	Hail (1.00)
Washita County, Cowden	13	2141CST			0	0	?	?	Hail (1.00)
Caddo County, 6 W Binger	13	2200CST			0	0	?	?	Hail (0.75)
Washita County, 7 S Cowden	13	2215CST			0	0	?	?	Hail (1.75)
Washita County, 4 N Mountain View	13	2215CST			0	0	?	?	Hail (1.75)
Caddo County, Albert	13	2233CST			0	0	?	?	Hail (1.00)
Caddo County, 3 N Carnegie	13	2247CST			0	0	?	?	Hail (0.75)
Greer County, 6 N Granite	13	2300CST			0	0	?	?	Hail (1.75)
Kiowa County, Lone Wolf	13	2315CST			0	0	?	?	Hail (0.88)
Caddo County, 3 E Carnegie	13	2326CST			0	0	?	?	Hail (1.00)
Kiowa County, Sedan	13	2345CST			0	0	?	?	Hail (1.00)
Caddo County, Washita	14	0009CST			0	0	?	?	Hail (0.75)
Caddo County, 3 S Anadarko	14	0035CST			0	0	?	?	Hail (1.00)
McClain County, 2 S Cole	14	0130CST			0	0	?	?	Hail (1.00)
<p>Thunderstorms in the Oklahoma panhandle and western Oklahoma produced many reports of large hail during the evening of the 13th, with the storms moving into central Oklahoma during the early morning hours of the 14th.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
OKLAHOMA										
Cimarron County, near Boise City	14	1920CST			0	0	?	?	Hail (2.75)	
Cimarron County, 1 SW Boise City	14	1940CST			0	0	?	?	Hail (2.75)	
Texas County, Guymon	14	2010CST			0	0	?	?	Hail (0.88)	
Texas County, Texhoma	14	2122CST			0	0	?	?	Hail (1.75)	
Texas County, 2 W Goodwell	14	2156CST			0	0	?	?	Hail (1.75)	
Texas County, Goodwell	14	2200CST			0	0	?	?	Hail (1.75)	
Texas County, 8 S Guymon	14	2211CST			0	0	?	?	Hail (2.50)	
Texas County, 10 ESE Goodwell	14	2230CST			0	0	?	?	Hail (2.75)	
Washita County, 4 N Mountain View	14	2240CST			0	0	?	?	Hail (1.75)	
Texas County, 22 S Hooker	14	2250CST			0	0	?	?	Hail (2.75)	
<p>Thunderstorms redeveloped over the Oklahoma panhandle during the evening of the 14th and produced hail up to the size of softballs. Baseball size hail knocked out the window of an Oklahoma Highway Patrol car in western Cimarron County. Snowplows were called out near Texhoma after several automobile accidents resulted from hail accumulation on roadways.</p>										
Ellis County, near Shattuck	15	0105CST			0	0	?	?	Hail (0.75)	
Ellis County, 5 NW Arnett	15	0200CST			0	0	?	?	Hail (1.00)	
Harper County, 7 N Rosston	15	0615CST			0	0	?	?	Hail (0.88)	
Harper County, 4 W Plainview	15	0745CST			0	0	?	?	Hail (0.75)	
McClain County, Payne	15	0800CST			0	0	?	?	Hail (0.75)	
Woods County, 13 NW Cora	15	0820CST			0	0	?	?	Hail (0.75)	
Woods County, 13 NW Cora	15	0820CST			0	0	?	?	TSTM Wind (61)	
McClain County, 2 S Purcell	15	0830CST			0	0	?	?	Hail (0.75)	
Woods County, 2 W Winchester	15	0845CST			0	0	?	?	Hail (0.75)	
Alfalfa County, Burlington	15	0940CST			0	0	?	?	Hail (0.75)	
Alfalfa County, 3 N Cherokee	15	0950CST			0	0	?	?	Hail (0.75)	
Grant County, 8 N Nash	15	1015CST			0	0	?	?	Hail (0.75)	
Woods County, 7 E Waynoka	15	1020CST			0	0	?	?	Hail (0.75)	
Grant County, Madford	15	1040CST			0	0	?	?	TSTM Wind (52)	
Major County, Cheyenne Valley	15	1100CST			0	0	?	?	Hail (0.75)	
Major County, 1 NNE Meno	15	1100CST			0	0	?	?	Hail (0.75)	
Garfield County, Hillsdale	15	1108CST			0	0	?	?	Hail (0.75)	
Major County, Fairview	15	1110CST			0	0	?	?	Hail (0.75)	
Garfield County, Kremlin	15	1125CST			0	0	?	?	Hail (0.88)	
Major County, 2 E Meno	15	1130CST			0	0	?	?	Hail (0.75)	
Alfalfa County, 2 SE Aline	15	1130CST			0	0	?	?	Hail (0.75)	
Garfield County, 6 E Enid	15	1145CST			0	0	?	?	Hail (1.00)	
Grant County, Lamont	15	1155CST			0	0	?	?	Hail (0.88)	
Garfield County, Garber	15	1220CST			0	0	?	?	Hail (0.75)	
Kay County, Ponca City	15	1235CST			0	0	?	?	Hail (1.25)	
Noble County, Billings	15	1235CST			0	0	?	?	Hail (0.75)	
Noble County, 1 N Perry	15	1240CST			0	0	?	?	Hail (1.75)	
Kingfisher County, 5 E Hennessey	15	1250CST			0	0	?	?	Hail (0.75)	
Kingfisher County, Dover	15	1257CST			0	0	?	?	Hail (0.75)	
Noble County, Perry	15	1300CST			0	0	5	?	Hail (2.50)	
Kingfisher County, 1 S Dover	15	1310CST			0	0	?	?	Hail (0.75)	
Lincoln County, Chandler	15	1313CST			0	0	?	?	Hail (0.75)	
Payne County, Stillwater	15	1313CST			0	0	?	?	Hail (1.00)	
Lincoln County, Chandler	15	1320CST			0	0	?	?	Hail (0.75)	
OKLAHOMA										
Pawnee County, 6 N Pawnee	15	1330CST			0	0	?	?	Hail (0.75)	
Osage County, Fairfax	15	1330CST			0	0	?	?	Hail (1.75)	
Logan County, Guthrie	15	1330CST			0	0	?	?	Hail (0.75)	
Logan County, Orlando	15	1330CST			0	0	?	?	Hail (0.75)	
Payne County, 3 NWW Perkins	15	1340CST			0	0	?	?	Hail (1.00)	
Payne County, Perkins	15	1347CST			0	0	?	?	Hail (2.50)	
Tulsa County, 3 E Tulsa	15	1350CST			0	0	?	?	Hail (0.75)	
Kingfisher County, 5 W Gashion	15	1400CST			0	0	?	?	Hail (1.75)	
Lincoln County, 4 SW Davenport	15	1407CST	8	25	0	0	?	?	Tornado (FO)	
Osage County, 15 E Hominy	15	1410CST			0	0	?	?	Hail (0.88)	
Oklahoma County, 10 W Edmond	15	1415CST			0	0	?	?	Hail (0.75)	
Lincoln County, Davenport	15	1415CST			0	0	?	?	Hail (1.75)	
Tulsa County, 2 NE Skiatook	15	1420CST			0	0	?	?	Hail (0.75)	
Canadian County, Canadian Co.	15	1420CST			0	0	?	?	TSTM Wind	
Canadian County, Piedmont	15	1421CST			0	0	?	?	Hail (0.75)	
Creek County, Sapulpa	15	1423CST			0	0	5	?	Hail (2.75)	
Osage County, 3 E Vera	15	1425CST			0	0	?	?	Hail (0.75)	
Lincoln County, 2 S Stroud	15	1430CST			0	0	?	?	Hail (0.88)	
Oklahoma County, Oklahoma Co.	15	1432CST			0	0	?	?	TSTM Wind (60)	
Oklahoma County, N Oklahoma City	15	1438CST			0	0	?	?	Hail (1.75)	
Tulsa County, 5 S Tulsa	15	1440CST			0	0	?	?	Hail (0.75)	
Lincoln County, Chandler	15	1453CST			0	0	?	?	Hail (0.75)	
Oklahoma County, Edmond	15	1454CST			0	0	?	?	Hail (0.88)	
Oklahoma County, Edmond	15	1455CST			0	0	?	?	Hail (1.00)	
Creek County, Dewey	15	1500CST			0	0	?	?	Hail (0.75)	
Atoka County, 6 SE Atoka	15	1501CST			0	0	?	?	Hail (1.75)	
Delaware County, Kansas	15	1515CST			0	0	?	?	Hail (0.75)	
McIntosh County, Hanna	15	1520CST			0	0	?	?	Hail (2.75)	
Oklahoma County, Midwest City	15	1520CST			0	0	?	?	Hail (1.25)	
Atoka County, 6 S Atoka	15	1530CST			0	0	?	?	Hail (1.75)	
Atoka County, Atoka	15	1530CST			0	0	?	?	TSTM Wind	
Oklahoma County, Choctaw	15	1545CST			0	0	?	?	Hail (0.88)	
Cleveland County, 2 E Stella	15	1600CST			0	0	?	?	TSTM Wind (52)	
Pottawatomie County, 3 E Pink	15	1610CST			0	0	?	?	Hail (0.75)	
Pottawatomie County, Tecumseh	15	1615CST			0	0	?	?	Hail (0.88)	
Pittsburg County, 1 W Crowder	15	1619CST			0	0	?	?	Hail (1.75)	
Pittsburg County, 3 N Mc Alester	15	1622CST			0	0	?	?	Hail (1.75)	
Pittsburg County, 6 NE Mc Alester	15	1627CST			0	0	?	?	Hail (1.75)	
Grady County, Norge	15	1830CST			0	0	?	?	Hail (0.75)	
Roger Mills County, Cheyenne	15	1830CST			0	0	?	?	Hail (0.75)	
Pushmataha County, 2 N Snow	15	1930CST			0	0	?	?	Hail (0.75)	
Texas County, 10 N Goodwell	15	1940CST			0	0	?	?	Hail (0.88)	
Pushmataha County, 7 E Finley	15	1945CST			0	0	?	?	Hail (0.75)	
Choctaw County, 6 N Sawyer	15	2000CST			0	0	?	?	Hail (0.88)	
<p>Thunderstorms which developed over the Oklahoma panhandle during the evening of the 14th moved southeast into northwest Oklahoma during the morning of the 15th and into central and eastern sections during the afternoon and evening. The storms produced hail up to the size of softballs and damaging winds. In Hanna (McIntosh County) many windows were knocked out and many roofs were damaged by baseball size hail. One foot of hail was still on the ground in some places 7 hours after the storm. A tornado (FO) touched down in Lincoln County 4 miles south of Davenport at 1407CST. The tornado was on the ground</p>										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	

OKLAHOMA

		intermittently until 1425CST when it dissipated just south of Stroud. No damage was reported. In Perry, baseball size hail damaged over 130 vehicles and knocked out skylight windows at local businesses. Lightning started a fire that destroyed a home valued at 200,000 dollars. In Sapulpa, 92 vehicles had hail damage, and 35 homes sustained hail damage.									
Mc Curtin County most of county	16	0335CST			0	0	?	?	?	?	Flash Flood
Texas County, Optima	16	1030CST			0	0	?	?	?	?	TSTM Wind (52)
Texas County	16	1055CST			0	0	?	?	?	?	TSTM Wind (52)
Beaver County, SW Beaver Co.	16	1200CST			0	0	?	?	?	?	Hail (0.75)
Beaver County, Beaver	16	1320CST			0	0	?	?	?	?	Hail (0.75)
Harper County, Rosston	16	1359CST			0	0	?	?	?	?	Hail (1.75)
Harper County, Buffalo	16	1427CST			0	0	?	?	?	?	Hail (1.00)
Harper County, 6 S Laverne	16	1509CST			0	0	?	?	?	?	Hail (0.75)
Woods County, 6 N Lookout	16	1530CST			0	0	?	?	?	?	Hail (0.88)
Tillman County, 5 SW Hollister	16	1540CST			0	0	?	?	?	?	Hail (0.75)
Tillman County, 8 SW Hollister	16	1540CST			0	0	?	?	?	?	TSTM Wind (56)
Tillman County, Tipton	16	1540CST			0	0	4	?	?	?	Lightning
Roger Mills County, 4 N Angora	16	1555CST			0	0	?	?	?	?	Hail (1.00)
Custer County, 3 NE Moorewood	16	1607CST			0	0	?	?	?	?	Hail (0.75)
Tillman County, 2 NE Hollister	16	1610CST			0	0	?	?	?	?	Hail (1.75)
Dewey County, Rhea	16	1615CST			0	0	?	?	?	?	Hail (1.25)
Custer County, 4 NE Moorewood	16	1630CST			0	0	?	?	?	?	Hail (0.88)
Woodward County, Mooreland	16	1646CST			0	0	?	?	?	?	Hail (1.00)
Woodward County, 5 SSW Sharon	16	1647CST			0	0	?	?	?	?	Hail (0.75)
Jackson County, 1 SE Hess	16	1700CST			0	0	?	?	?	?	TSTM Wind (52)
Tillman County, Manitou	16	1700CST			0	0	?	?	?	?	Hail (0.75)
Roger Mills County, 3 NW Durham	16	1710CST			0	0	?	?	?	?	Hail (0.75)
Kiowa County, 6 E Snyder	16	1715CST			0	0	?	?	?	?	Hail (1.75)
Comanche County, 4 NW Indianola	16	1728CST			0	0	?	?	?	?	Hail (0.88)
Kiowa County, 6 E Snyder	16	1730CST			0	0	?	?	?	?	Hail (1.75)
Dewey County, 0.5 S Taloga	16	1740CST			0	0	?	?	?	?	Hail (0.75)
Ellis County, 8 S Arnett	16	1745CST			0	0	?	?	?	?	Hail (0.88)
Woods County, 10 NW Freedom	16	1745CST			0	0	?	?	?	?	Hail (0.88)
Major County, Cedar Springs	16	1829CST			0	0	?	?	?	?	Hail (1.00)
Ellis County, 8 S Harmon	16	1830CST			0	0	?	?	?	?	Hail (0.88)
Dewey County, 0.5 S Taloga	16	1855CST			0	0	?	?	?	?	Hail (1.25)
Marshall County, Kingston	16	2045CST			0	0	6	?	?	?	TSTM Wind
Ellis County, 0.5 E Catesby	16	2250CST			0	0	?	?	?	?	Hail (0.75)
Jackson County, S Jackson Co.	17	0200CST			0	0	?	?	?	?	TSTM Wind (73)
<p>Thunderstorms first became severe in the eastern Oklahoma panhandle and western Oklahoma and produced hail up to the size of golf balls and damaging winds. In Tillman County lightning struck a home in Tipton, and the resulting fire destroyed it. Rainfall of up to 2 inches in Tipton resulted in street flooding. In Marshall County, thunderstorm winds gusted to 85 knots. Widespread damage was reported at Soldier Creek Resort, where the winds upended two 60 x 60 foot boathouses, sank a 32-foot boat, and damaged 20 to 25 other boats. A boat showroom also sustained major damage. Total damage was estimated at 2 million dollars. At nearby Caney Creek resort, 2 cabins sustained roof damage. During the early morning hours of the 17th, strong winds of up to 73 knots were measured in Altus. These strong winds were well west of the most intense thunderstorms and were possibly the result of a penetrative downdraft along the rear (west) portion of the eastward-moving complex of thunderstorms. Numerous reports of power outages were received in Altus, as well as reports of tree limbs down and some signs destroyed. The winds persisted for 20 to 30 minutes.</p>											

OKLAHOMA

Beaver County, 6 E Elmwood	17	1530CST			1	0	?	?	?	?	Heavy Rains
Beckham County, 16 N Vinson	17	1710CST			0	0	?	?	?	?	Hail (1.00)
Beckham County, Sayre	17	1800CST			0	0	?	?	?	?	Hail (0.75)
Carter County, 11 N Ardmore	17	2130CST			0	0	?	?	?	?	Hail (0.88)
Pushmataha County, Moyers	18	0200CST			0	0	?	?	?	?	Hail (0.75)
<p>Thunderstorms in the panhandle and western Oklahoma produced quarter size hail and heavy rains. A 16 year old Beaver County boy drowned while attempting to cross rain-swollen Duck Pond Creek 6 miles east of Elmwood. M160</p>											
Tulsa County, 2 SE Bixby	18	1030CST			0	0	?	?	?	?	Hail (1.75)
Wagoner County, 4 NE Broken Arrow	18	1045CST			0	0	?	?	?	?	Hail (0.75)
Pittsburg County, near Mc Alester	18	1045CST			0	0	?	?	?	?	TSTM Wind (61)
Rogers County, near Talala	18	1100CST			0	0	?	?	?	?	Hail (1.75)
Rogers County, Claremore	18	1120CST	3.25	100	0	1	5	?	?	?	Tornado (F1)
Mayes County, 4 W Pryor	18	1140CST	short narrow		0	0	?	?	?	?	Tornado (F0)
Mayes County, 4 SW Pryor	18	1150CST	short narrow		0	0	?	?	?	?	Tornado (F0)
Wagoner County, SE Broken Arrow	18	1200CST	2.75	50	0	0	5	?	?	?	Tornado (F1)
Haskell County, 4 N Enterprise	18	1240CST			0	0	?	?	?	?	Hail (0.75)
Muskogee County, Forum	18	1315CST			0	0	?	?	?	?	Hail (1.00)
Sequoyah County, Gore	18	1412CST			0	0	?	?	?	?	Hail (1.75)
Haskell County, Enterprise	18	1425CST			0	0	?	?	?	?	Hail (0.75)
Cherokee County, Srm. Cherokee Co.	18	1427CST			0	0	?	?	?	?	Hail (1.00)
Cherokee County, 5 SE Cookson	18	1445CST			0	0	?	?	?	?	Hail (1.75)
Muskogee County, Forum	18	1450CST			0	0	?	?	?	?	Hail (0.75)
Cherokee County, Cookson	18	1505CST			0	0	?	?	?	?	Hail (1.75)
Sequoyah County, Vian	18	1513CST			0	0	?	?	?	?	Hail (0.75)
Latimer County, 6 W Wilburton	18	1515CST			0	0	?	?	?	?	TSTM Wind (52)
Haskell County, 6 SW McCurtain	18	1530CST			0	0	?	?	?	?	Hail (0.75)
McCurtain County, Sherwood	18	1815CST			0	0	?	?	?	?	Hail (1.00)
McCurtain County, Ern. McCurtain Co.	18	1900CST			0	0	?	?	?	?	Hail (1.00)
McCurtain County, Eagletown	18	1915CST			0	0	?	?	?	?	Hail (1.00)
McCurtain County, McCurtain Co.	18	2000CST			0	0	?	?	?	?	Hail (1.75)
<p>Severe thunderstorms developed in eastern Oklahoma along a slow-moving cold front during the late morning and became severe shortly before noon. The storms produced numerous reports of golfball size hail and 4 tornadoes. The first tornado (F1) touched down at 1120CST within the Claremore city limits in Rogers County. The tornado moved northeast for 3.25 miles and dissipated at approximately 1140CST. Two mobile homes were destroyed, several automobiles were damaged, 3 homes were damaged, and several barns were damaged or destroyed. One man was injured in a mobile home. Total damage was estimated at 75,000 dollars. The tornado struck an exotic animal farm in Claremore, causing some damage to animal shelters and injuring an Emu, which is a large, flightless, Australian bird. The animal was subsequently put to sleep as a result of injuries sustained in the tornado.</p>											
<p>The second tornado (F0) touched down briefly 4 miles west of Pryor in Mayes County at 1140CST and caused no known damage. The third tornado (F0) touched down 4 miles southwest of Pryor at 1150CST and also caused no known damage. The fourth tornado (F1) on this day touched down at 1150CST in the city of Broken Arrow in Wagoner County, and moved north-northeast for 2.75 miles. Thirty houses sustained minor damage and several storage buildings were damaged or destroyed. Total damage from this tornado was estimated at 100,000 dollars.</p>											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
OKLAHOMA									
Muskogee County, Haskell	19	2330CST			0	0	3	?	Lightning
Muskogee County, 3 S Haskell	19	2335CST			0	0	?	?	Hail (1.00)
Wagoner County, 4 SW Porter	20	0015CST			0	0	?	?	Hail (0.88)
Okmulgee County, 4 NE Beggs	20	0024CST			0	0	?	?	Hail (1.00)
Muskogee County, 2 W Haskell	20	0040CST			0	0	?	?	Hail (0.75)
Muskogee County, Boynton	20	0100CST			0	0	?	?	Hail (0.75)
Okmulgee County, 4 E Beggs	20	0100CST			0	0	?	?	Hail (0.75)
Okmulgee County, 5 N Morris	20	0115CST			0	0	?	?	Hail (1.00)
Okmulgee County, 5 N Morris	20	0115CST			0	0	?	?	TSTM Wind
Muskogee County, 1.5 NW Jamesville	20	0115CST	short	narrow	0	0	?	?	Tornado (F0)
Muskogee County, Boynton	20	0130CST			0	0	?	?	Hail (1.00)
Muskogee County, Haskell	20	0130CST			0	0	?	?	Hail (0.75)
Mayes County, 6 S Chouteau	20	0130CST			0	0	?	?	Hail (0.75)
Muskogee County, 1 N Council Hill	20	0210CST			0	0	?	?	Hail (1.75)
Okmulgee County, 4 N Morris	20	0210CST			0	0	?	?	Hail (0.88)
Muskogee County, Boynton	20	0255CST			0	0	?	?	Hail (1.75)
McIntosh County, 10 N Raiford	20	0300CST			0	0	?	?	Hail (0.75)
Adair County, near Stilwell	20	0300CST			0	0	?	?	TSTM Wind (70)
Sequoyah County, near Vian	20	0302CST			0	0	?	?	Hail (0.75)
Okmulgee County, 3 NE Beggs	20	0305CST			0	0	?	?	Hail (1.75)
Adair County, Stilwell	20	0306CST			0	0	?	?	Hail (0.75)
Cherokee County, 3 E Cookson	20	0320CST			0	0	?	?	Hail (1.00)
Adair County, 15 NE Sallisaw	20	0330CST			0	0	?	?	Hail (0.75)
Creek County, 3 E Slick	20	0400CST			0	0	?	?	Hail (0.88)
Okmulgee County, 5 N Beggs	20	0400CST			0	0	?	?	Hail (0.75)
McIntosh County, Raiford	20	0400CST			0	0	?	?	Hail (1.00)
Muskogee County, western portion	20	0400CST-0500CST			0	0	?	?	Flash Flood
Okmulgee County, N and E sections	20	0400CST-0500CST			0	0	?	?	Flash Flood
Sequoyah County, 2 S Sallisaw	20	0421CST			0	0	?	?	Hail (0.75)
Sequoyah County, Muldrow	20	0423CST			0	0	?	?	Hail (0.75)
LeFlore County, Spiro	20	0441CST			0	0	?	?	Hail (0.88)
LeFlore County, 5 W Wister	20	0515CST			0	0	?	?	Hail (0.75)
Pushmataha County, Tuskahoma	20	0620CST			0	0	?	?	Hail (0.75)
Pushmataha County, near Sobol	20	0745CST			0	0	?	?	Hail (0.88)
Pushmataha County, 3 N Sobol	20	0745CST			0	0	?	?	TSTM Wind (52)
McCurain County, near Rufe	20	0805CST			0	0	?	?	Hail (0.88)
<p>Thunderstorms developed explosively in northeast Oklahoma shortly before midnight CST and rapidly became severe, producing one tornado, golfball size hail, damaging straight-line winds, and flash flooding. A tornado (F0) touched down 1.5 miles northwest of Jamesville in Muskogee County at 0115CST on the 20th, resulting in tree damage. Straight-line winds downed power lines just north of Morris (Okmulgee County). Three to five inches of rain fell in portions of Okmulgee and Muskogee counties, causing small streams to overflow. Some county roads were closed due to the flooding. Several homes were threatened by high water in northern Okmulgee County, but water receded before causing any significant damage. Lightning struck a paper company in Haskell (Muskogee County) at 2330CST on the 19th.</p>									
Washington County, Copan	21	1225CST			0	0	?	?	Hail (1.75)
Nowata County, South Coffeyville	21	1250CST			0	0	?	?	Hail (1.75)
Nowata County, Delaware	21	1300CST			0	0	?	?	Hail (1.75)
Nowata County, South Coffeyville	21	1310CST			0	0	?	?	Hail (2.50)
Nowata County, Lenapah	21	1325CST			0	0	?	?	Hail (2.50)
OKLAHOMA									
Ottawa County, 2 S Ficher	21	1345CST			0	0	?	?	Hail (0.88)
Craig County, 7 NW Vinita	21	1350CST			0	0	?	?	TSTM Wind (52)
Craig County, 1 N Vinita	21	1405CST			0	0	?	?	TSTM Wind (52)
Craig County, 1 N Vinita	21	1405CST			0	0	?	?	Hail (0.75)
Delaware County, Grove	21	1422CST			0	0	?	?	Hail (1.75)
Delaware County, NW Grove	21	1648CST			0	0	?	?	Hail (1.75)
Delaware County, near Grove	21	1700CST			0	0	?	?	Hail (1.00)
Delaware County, near Grove	21	1700CST			0	0	?	?	TSTM Wind (52)
Delaware County, E Grove	21	1730CST			0	0	?	?	Hail (1.75)
Woods County, Alva	21	2250CST			0	0	?	?	TSTM Wind (74)
Alfalfa County, Cherokee	21	2300CST			0	0	?	?	TSTM Wind (52)
Alfalfa County, Helena	21	2330CST			0	0	?	?	TSTM Wind (60)
Garfield County, 5 SE Garber	22	0000CST			0	0	?	?	Hail (1.00)
Kay County, (PNC) Ponca City	22	0014CST			0	0	?	?	TSTM Wind (60)
Noble County, 3 SE Billings	22	0015CST			0	0	?	?	Hail (0.75)
Osage County, Barnsdall	22	0048CST			0	0	?	?	TSTM Wind (52)
Logan County, near Orlando	22	0052CST			0	0	?	?	TSTM Wind (61)
Pawnee County, 6 SW Ralston	22	0100CST			0	0	?	?	Hail (1.75)
Pawnee County, Pawnee	22	0103CST			0	0	?	?	TSTM Wind (52)
Logan County, Guthrie	22	0108CST			0	0	?	?	TSTM Wind (52)
Osage County, Fairfax	22	0113CST			0	0	?	?	TSTM Wind (56)
Payne County, Stillwater Airport	22	0115CST			0	0	?	?	TSTM Wind (61)
Payne County, Stillwater Airport	22	0130CST			0	0	?	?	TSTM Wind (74)
Tulsa County, N Tulsa	22	0130CST			0	0	?	?	TSTM Wind (52)
Noble County, 8 S Perry	22	0130CST			0	0	?	?	Hail (0.75)
Rogers County, Oologah	22	0135CST			0	0	?	?	TSTM Wind (56)
Tulsa County, Tulsa	22	0137CST			0	0	?	?	TSTM Wind (70)
Creek County, 1 S Mannford	22	0139CST			0	0	?	?	TSTM Wind (56)
Nowata County, Nowata	22	0140CST			0	0	?	?	TSTM Wind (52)
Lincoln County, 1 N Carney	22	0140CST			0	0	?	?	Hail (1.00)
Tulsa County, Tulsa	22	0145CST			0	0	?	?	TSTM Wind (56)
Washington County, 5 S Ramona	22	0150CST			0	0	?	?	TSTM Wind (52)
Washington County, Dewey	22	0200CST			0	0	?	?	TSTM Wind
Wagoner County, Broken Arrow	22	0200CST			0	0	?	?	TSTM Wind (56)
Garfield County, 5 SE Garber	22	0205CST			0	0	?	?	Hail (1.25)
Mayes County, Pryor	22	0207CST			0	0	?	?	TSTM Wind (52)
Okmulgee County, 2 S Beggs	22	0210CST			0	0	?	?	TSTM Wind (56)
Craig County, 4 E Hollow	22	0210CST			0	0	?	?	TSTM Wind (52)
Muskogee County, Haskell	22	0215CST			0	0	?	?	TSTM Wind (52)
Noble County, near Lucien	22	0215CST			0	0	?	?	Hail (0.75)
Ottawa County, Miami	22	0230CST			0	0	?	?	TSTM Wind (65)
Oklahoma County, Arcadia	22	0230CST			0	0	?	?	Hail (1.00)
Okfuskee County, 5 NE Boley	22	0235CST			0	0	?	?	TSTM Wind (52)
Lincoln County, 2 E Harrison	22	0245CST			0	0	?	?	Hail (1.00)
Delaware County, 8 SE Grove	22	0245CST			0	0	?	?	TSTM Wind (61)
Lincoln County, 1 N Carney	22	0247CST			0	0	?	?	Hail (1.00)
McIntosh County, Checotah	22	0258CST			0	0	?	?	TSTM Wind (75)
McIntosh County, Bufaula	22	0300CST			0	0	?	?	TSTM Wind (67)
Adair County, Adair Co.	22	0300CST			0	0	?	?	TSTM Wind (70)
Pittsburg County, Crowder	22	0307CST			0	0	?	?	TSTM Wind (52)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

OKLAHOMA									
Muskogee County, 5 S Warner	22	0310CST			0	0	?	?	ISTM Wind (52)
Cherokee County, 12 NE Tahlequah	22	0315CST			0	0	?	?	ISTM Wind (61)
Pittsburg County, Quinton	22	0320CST			0	0	?	?	ISTM Wind (52)
Cherokee County, near Cookson	22	0330CST			0	0	?	?	ISTM Wind (52)
Haskell County, Strigler	22	0330CST			0	0	?	?	ISTM Wind (52)
Seminole County, Little	22	0330CST			0	0	?	?	Hail (1.00)
Lincoln County, Midlothian	22	0330CST			0	0	?	?	Hail (1.00)
Pottawatomie County, 9 NE Shawnee	22	0345CST			0	0	?	?	ISTM Wind (61)
Okmulgee County, Morris	22	0355CST			0	1	?	?	ISTM Wind (71)
Muskogee County, Srm. Muskogee Co.	22	0415CST			0	0	?	?	ISTM Wind
Hughes County, 4 W Holdenville	22	0630CST			0	0	?	?	Hail (0.75)
Coal County, near Cairo	22	0715CST			0	0	?	?	Hail (0.88)
Atoka County, Stringtown	22	0745CST			0	0	?	?	ISTM Wind
Atoka County, Atoka	22	0745CST			0	0	?	?	ISTM Wind
Atoka County, Farris	22	0810CST			0	0	?	?	Hail (0.88)
Choctaw County, 6 N Boswell	22	0822CST			0	0	?	?	Hail (0.88)
<p>Thunderstorms became severe during the early afternoon in northeast Oklahoma, producing baseball size hail and strong winds.</p> <p>During the evening of the 21st, severe thunderstorms moved rapidly southeast from Kansas and into northern Oklahoma. The thunderstorms formed a line of widespread wind-producing storms known as a Derecho, which moved into southeast Oklahoma during the early morning hours. Many reports of winds in excess of 50 knots were received. In Adair County, an 80 x 100 foot hay barn was destroyed (0300CST), and trees were blown onto 2 mobile homes. Damage was estimated at 100,000 dollars. In Cherokee County, the winds downed many trees at a camping area 12 miles northeast of Tahlequah. In southern Muskogee County, 4-foot diameter trees were uprooted. One tree was blown on top of a mobile home. Another mobile home was overturned, one tractor-trailer was overturned, and a large barn and nearby car port was destroyed.</p>									
Ottawa County, near Afton	25	1735CST			0	0	?	?	Hail (0.75)
Ottawa County, Afton	25	1735CST			0	0	?	?	TSTM Wind (52)
<p>Thunderstorms in Ottawa County produced dime size hail and strong winds.</p>									
Oklahoma County, Wiley Post Airport	26	0120CST			0	0	?	?	Hail (1.00)
Caddo County, 6 E Hydro	26	0130CST			0	0	?	?	Hail (1.25)
Oklahoma County, Edmond	26	0144CST			0	0	?	?	Hail (0.75)
Blaine County, 4 S Geary	26	0155CST			0	0	?	?	Hail (0.88)
Kingfisher County, 4 S Cashion	26	0200CST			0	0	?	?	Hail (0.75)
Canadian County, Calumet	26	0210CST			0	0	?	?	Hail (1.75)
Canadian County, Piedmont	26	0230CST			0	0	?	?	Hail (0.88)
Lincoln County, Sparks	26	0230CST			0	0	?	?	Hail (0.88)
Oklahoma County, SW Oklahoma City	26	0240CST			0	0	?	?	Hail (0.88)
Okfuskee County, 3 SE Welty	26	0250CST			0	0	?	?	Hail (0.88)
Oklahoma County, Edmond	26	0253CST			0	0	?	?	Hail (1.00)
Blaine County, Geary	26	0255CST			0	0	?	?	Hail (0.75)
Lincoln County, 2 NW Prague	26	0255CST			0	0	?	?	Hail (1.25)
Creek County, 3 S Edna	26	0300CST			0	0	?	?	Hail (0.75)
Lincoln County, 4 N Prague	26	0304CST			0	0	?	?	Hail (2.00)
Okfuskee County, Paden	26	0310CST			0	0	?	?	Hail (1.75)
Okmulgee County, 5 N Okmulgee	26	0315CST			0	0	?	?	Hail (0.75)
Okmulgee County, 6 S Morris	26	0315CST			0	0	?	?	ISTM Wind
Kingfisher County, 8 SW Cashion	26	0320CST			0	0	?	?	Hail (0.88)
Canadian County, 6 N Piedmont	26	0320CST			0	0	?	?	Hail (0.88)

OKLAHOMA									
Okfuskee County, 4 N Weleetka	26	0330CST			0	0	?	?	Hail (0.75)
Lincoln County, 7 W Sparks	26	0330CST			0	0	?	?	Hail (1.00)
Lincoln County, Sparks	26	0345CST			0	0	?	?	Hail (0.88)
Muskogee County, Srm. Muskogee Co.	26	0415CST			0	0	?	?	TSTM Wind (78)
Mcintosh County, 8 E Checotah	26	0420CST			0	0	?	?	Hail (1.00)
Okmulgee County, 4 E Okmulgee	26	0430CST			0	0	?	?	TSTM Wind (52)
Muskogee County, Webbers Falls	26	0430CST			0	0	?	?	TSTM Wind (56)
Cherokee County, 2 S Cookson	26	0505CST			0	0	?	?	Hail (0.75)
Adair County, Stilwell	26	0545CST			0	0	?	?	TSTM Wind (52)
<p>Thunderstorms began in the early morning hours in central and eastern Oklahoma, producing 2-inch diameter hail and winds to nearly 80 knots.</p>									
Carter County, 4 E Gene Autry	26	1905CST			0	0	?	?	Hail (0.88)
Johnston County, 6 W Wapanucka	26	1907CST			0	0	?	?	Hail (1.00)
Carter County, 6 S Dickson	26	1915CST			0	0	?	?	TSTM Wind (52)
Murray County, Nebo	26	1945CST			0	0	?	?	Hail (0.75)
Johnston County, Hill Creek	26	1955CST			0	0	?	?	Hail (0.88)
Bryan County, 3 S Keneff	26	2015CST			0	0	?	?	TSTM Wind (61)
Pontotoc County, 7 S Fittstown	26	2019CST			0	0	?	?	Hail (0.88)
Coal County, 4 W Tupelo	26	2030CST			0	0	?	?	Hail (1.00)
Johnston County, 5 W Connerville	26	2105CST			0	0	?	?	Hail (0.75)
Pontotoc County, 2 SE Jesse	26	2140CST			0	0	?	?	Hail (0.88)
Coal County, 21 N Coalgate	26	2200CST			0	0	?	?	Hail (1.25)
Coal County, Tupelo	26	2240CST			0	0	?	?	Hail (0.88)
Atoka County, 4 S Redden	26	2305CST			0	0	?	?	Hail (0.75)
Coal County, Tupelo	27	0100CST			0	0	?	?	Hail (0.88)
Johnston County, Tishomingo	27	0111CST			0	0	?	?	Hail (0.88)
Bryan County, 2 S Keneff	27	0410CST			0	0	?	?	TSTM Wind (52)
<p>Thunderstorms redeveloped during the evening of the 26th in southern Oklahoma, producing half-dollar size hail and winds of over 60 knots. The storms persisted into the early morning hours of the 27th.</p>									
Ellis County, Shattuck	31	1710CST			0	0	?	?	Hail (0.88)
Ellis County, 2 W Arnett	31	1827CST			0	0	?	?	Hail (1.75)
Ellis County, Arnett	31	1844CST			0	0	?	?	Hail (0.75)
Roger Mills County, 2 W Cheyenne	31	1956CST			0	0	?	?	Hail (0.88)
Roger Mills County, 2 W Cheyenne	31	1959CST			0	0	?	?	Hail (0.88)
Custer County, 6 W Clinton	31	2037CST			0	0	?	?	TSTM Wind (52)
<p>Thunderstorms in extreme northwest Oklahoma produced mainly nickel to golfball size hail.</p>									
35 OREGON									
ORZ003 South Oregon Coast	07	1900PST			2	0	5	0	Heavy Wave
<p>A 35 foot long salmon trawler capsized on the Coquille River bar when it was hit by a large wave. The two people aboard were thrown overboard and drowned. Small craft advisories were in effect for rough bar conditions. M?70, F?70.</p>									
ORZ010-011-012 Harney, Grant and Umatilla Counties	09	1500-1900PST			0	0	4	0	Flash Flood
<p>A thunderstorm formed in southeastern Oregon and moved northward during the late afternoon and evening. Several reports of an inch of rain were received. Minor flooding was reported in many areas. Blitzen Creek flooded near French Glen. Several mud slides and minor flooding occurred along the John Day River and its tributaries from Dayville to John Day. Small scale flooding also occurred along Birch Creek south of Pilot Rock. A flash flood watch was in effect for these areas.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
36 PENNSYLVANIA, Eastern									
Chester County, 2 N Coatesville	06	0030EST	.25	50	0	0	4	0	TSTM Wind
									Thunderstorm wind gusts brought down 6 trees and damaged 3 houses. The damage consisted mainly of portions of roofs being torn off. The damage path was 1/4 mile long and 50 yards wide.
York County	06	0100EST- 1000EST			0	0	?	0	Flood
									Heavy rain, as much as 4.5 inches, caused minor flooding along the Yellow Breeches Creek and along Muddy Run Creek. Widespread urban and small stream flooding occurred along with some basement flooding.
Lancaster County	06	0300EST- 1000EST			0	0	5	0	Flood
									Heavy rain caused widespread urban and small stream flooding as well as flooding along larger streams. Many basements were flooded near Lancaster, one basement wall collapsed. Some of the rainfall amounts in inches were: 3.25 at Clay Township, 3.75 at Manheim, 3.77 at Ephrata, 3.80 at Lancaster, 4.20 at Leola, and 4.50 at Groffdale. The Conestoga Creek reached a stage of 13.0 feet at Minkletown at 0508 EDT, flood stage there is 6.8 feet. At Brownstown the flood stage of 10.0 feet was reached at 1020 EDT.
Chester County	06	0410EST- 0930EST			0	0	?	0	Flash Flood
									Heavy rain, as much as 3.00 inches, caused flooding along the upper portion of the Brandywine Creek. A stage of 8.0 feet was reached at Downingtown, flood stage there is 7.0 feet. Widespread urban and small stream flooding occurred.
Berks, Montgomery, and Chester Counties Schuylkill River	06- 07	0800EST- 0000EST			0	0	?	0	Flood
									Heavy rain, as much as 4.5 inches, caused flooding along the Schuylkill River from Berne to Pottstown. There was some roadway and basement flooding.
Wyoming County, 3 NE Tunkhannock	06	0900EST- 1400EST			0	0	?	0	Flood
									Heavy rain, as much as 3.00 inches, caused flooding along the South Branch of the Tunkhannock Creek at Dixon. A stage of 10.0 feet was reached, flood stage there is 9.0 feet.
Adams County, Littlestown	06	1545EST			0	0	?	?	Hail (1.75)
									Golfball size hail fell at Littlestown.
York County, Jefferson	06	1625EST			0	1	4	0	TSTM Wind
									Thunderstorm wind gusts downed numerous trees and power lines. Several houses received damage also. The damage was in the area from Brodbeck to Jefferson and occurred between 1625 EST and 1640 EST. There were also reports of some trees down in the city of York. On one farm just south of Jefferson, winds destroyed two chicken houses and a corn barn, knocked over trees and a silo, and scattered debris for half a mile across fields. One boy was slightly injured by flying debris.
Wyoming County, 3 NE Tunkhannock	07	0100EST- 1100EST			0	0	0	0	Flood
									The South Branch of the Tunkhannock Creek again flooded at Dixon, reaching a stage of 10.01 feet. Flood stage there is 9.0 feet.
Susquehanna County, Hallstead	07- 08	0305EST- 1200EST			0	0	0	0	Flood
									Minor flooding occurred along the Susquehanna River at Hallstead.
Chester County	16	1210EST- 2030EST			0	0	?	0	Flash Flood
									Heavy rain of 1.50 to 2.00 inches caused flash flooding along the Brandywine Creek. The crest was one foot over flood stage at Downingtown.
Montgomery County, Marble Hall	24	0550EST			0	0	5	0	Lightning
									A lightning strike caused a fire in a house, resulting in extensive damage.
36 PENNSYLVANIA, Western									
Westmoreland County, 13 S Greensburg	10	1640EST			0	0	0	0	Flood
									Minor flooding occurred on Jacobs Creek at Iron Bridge and Scottsdale.
Butler County: Butler 7 S Butler	10 10	1725EST 1725EST			0	0	0	0	Flood Flood
									Flooding occurred along Connoquenessing Creek north of Butler and in Penn Township 7 miles south of Butler.
Blair County, 5 SE Altoona	25	2345EST			0	0	5	0	Lightning
									Lightning set a barn afire, resulting in the loss of farm equipment and two cows.
Cambria County, Johnstown	27	1633EST			0	0	0	0	High Wind
									Non-convective high winds with gusts to 56 mph were observed at the Johnstown Flight Service Station over a period of several hours.
Mercer County, 11 SW Mercer	30	1725EST			0	0	?	?	Thunderstorm Wind
									Trees were uprooted and power lines downed by thunderstorm winds near Shenango.
Venango County: 8 E Franklin 9 NE Franklin 6 S Franklin	30 30 30	1730EST 1745EST 1750EST			0	0	0	0	Thunderstorm Wind Thunderstorm Wind Thunderstorm Wind
									Thunderstorm winds were observed at Seneca, Oil City and Coal City at 1730 EST, 1745 EST and 1750 EST, respectively.
Forest County, 18 SE Tionesta	30	1800EST			0	0	0	0	Thunderstorm Wind
									Large trees and power lines were downed near Cooksburg.
Clarion County, 12 NE Clarion	30	1800EST			0	0	0	0	Thunderstorm Wind
									Trees were downed, and there were power outages near Cooks State Forest.
37 RHODE ISLAND									
RIZALL All of Rhode Island	06	0400EST- 1000EST			0	0	4	0	High Winds
									A period of high winds gusting over 40 mph from the south and southeast caused scattered power outages across the state. Scattered property damage also occurred.
38 SOUTH CAROLINA									
BARNWELL COUNTY .5 W Williston	01	1625EST	7	50	0	12	6	0	TORNADO (F2)
									A tornado touched down 1/2 mile west of Williston near SC 378, moved seven miles north-northeast, and was in contact with the ground about 20% of the time. Four mobile homes were destroyed, 16 homes were damaged, 2 businesses were destroyed, and 12 people were injured. One mobile home was lifted 200 yards over a residence. Many trees and four high voltage towers were blown down.
AIKEN COUNTY New Ellenton	01	1635EST			0	0	4	0	TSTM WINDS
									A shallow-rooted, 30 foot tall tree was felled and some limbs of pine trees were snapped off. The metal roof of an old portable-type schoolroom was ripped off and tossed into an open area between this unit and another. Some pieces of the roofing were carried beyond the second unit and into an open field. The force of the winds was estimated at between 60 and 75 mph. At its widest, the strongest wind forces seemed confined to about 30 yards. The direction of movement was from 170 degrees.
MARLBORO COUNTY Bennettsville between Bennettsville and Gibson	01 01	1700EST 1715EST			0	0	4	0	TSTM WINDS FUNNEL CLOUD
									Trees were blown down by thunderstorm winds.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— SOUTH CAROLINA									
CHESTERFIELD COUNTY Jefferson area	05	1600EST			0	0	?	?	TSTM WINDS Trees were uprooted.
OCONEE COUNTY Madison	05	1615EST	4.5	75	0	0	4	?	TORNADO (F1) A tornado touched down near the Georgia border west-southwest of Madison and moved northeast. Damage was done in the Welcome Church area. Damage occurred mostly to trees, but some power lines, mobile homes and permanent structures received some damage as well.
OCONEE COUNTY Westminster Tamassee to near Salem	05	1625EST			0	0	3	0	TSTM WINDS
	05	1640EST	2.1	30	0	0	5	5	TORNADO (F1) Many large trees were snapped off, and the DAR school received the brunt of the damage.
ANDERSON COUNTY Anderson	05	1642EST			0	0	0	0	HALL (0.75)
PICKENS COUNTY Nine Times	05	1645EST			0	0	3	0	TSTM WINDS
ANDERSON COUNTY 10 S Anderson	05	1645EST			0	0	5	0	TSTM WINDS
ABBEVILLE COUNTY Abbeville	05	1650EST			0	0	4	0	TSTM WINDS
PICKENS COUNTY Table Rock State Park	05	1700EST			0	0	3	?	TSTM WINDS
GREENWOOD COUNTY W. Greenwood	05	1708EST			0	0	5	0	TSTM WINDS
ANDERSON COUNTY Honea Path	05	1710EST			0	0	4	?	TSTM WINDS
GREENVILLE COUNTY Paris Mountain	05	1710EST			0	0	4	0	TSTM WINDS
	05	1710EST			0	0	0	0	FUNNEL CLOUD
GREENVILLE COUNTY Fountain Inn	05	1712EST			0	0	3	0	TSTM WINDS
SPARTANBURG COUNTY Boiling Springs	05	1715EST			0	0	0	0	FUNNEL CLOUD
SPARTANBURG AND CHEROKEE COUNTIES	05	1720EST- 1735EST	9	700	2	35	6	6	TORNADO (F4) A tornado moved northeast from 5 miles southwest of Chesnee in Spartanburg County, crossed the Cherokee County line at 1733EST, and continued to the North Carolina border about 2 miles north of Chesnee, crossing it at 1735EST. The tornado then continued into North Carolina. Property and utility damage was estimated to be \$2.5 million in Spartanburg County and \$0.25 million in Cherokee County. All of the deaths and injuries were in Spartanburg County. M66P, P59M.
LAURENS COUNTY Western part	05	1735EST			0	0	3	?	TSTM WINDS
SPARTANBURG AND CHEROKEE COUNTIES	05	1720EST 1735EST			0	0	?	0	TSTM WINDS & HALL(1.00) Wind and hail damage occurred from 5 miles southwest of Chesnee in Spartanburg County at 1720EST, northeastward through Spartanburg and Cherokee counties to the North Carolina line at about 2 miles north of Chesnee at 1735EST.
GREENWOOD COUNTY Southern	05	1738EST			0	0	?	0	TSTM WINDS
SPARTANBURG COUNTY Woodruff	05	1740EST			0	0	3	0	TSTM WINDS
UNION COUNTY Union	05	1750EST			0	0	4	0	TSTM WINDS
McDOWICK COUNTY Plum Branch Plum Branch	05	1750EST 1750EST			0	0	0	0	FUNNEL CLOUD TSTM WINDS
CHEROKEE COUNTY Gaffney	05	1750EST			0	0	3	0	TSTM WINDS
NEWBERRY COUNTY countywide	05	1753EST			0	0	4	0	TSTM WINDS
AIKEN COUNTY countywide	05	1800EST			0	0	4	0	TSTM WINDS
SALUDA COUNTY countywide	05	1800EST			0	0	3	0	TSTM WINDS
— SOUTH CAROLINA									
LAURENS COUNTY Clinton	05	1805EST			0	0	3	0	TSTM WINDS
EDGEFIELD COUNTY countywide	05	1805EST			0	2	4	0	TSTM WINDS Two people were injured by a falling tree.
LEXINGTON COUNTY Batesburg-Leesville	05	1810EST			0	0	5	0	TSTM WINDS
	05	1815EST			0	0	5	0	TSTM WINDS
	05	1815EST			0	0	4	0	HAIL (2.5)
NEWBERRY COUNTY Lake Murray area	05	1815EST			0	0	5	0	TSTM WINDS
RICHLAND COUNTY Irmo	05	1815EST			0	0	3	0	TSTM WINDS
	05	1830EST			0	0	4	0	TSTM WINDS
	05	1830EST			0	0	4	0	TSTM WINDS
FAIRFIELD COUNTY countywide	05	1830EST			0	0	4	0	TSTM WINDS
YORK COUNTY countywide	05	1840EST			0	0	4	0	TSTM WINDS
BARNWELL COUNTY Barnwell	05	1900EST			0	1	2	0	LIGHTNING Lightning struck a girl working a restaurant drive-in window.
LANCASTER COUNTY Belltown	05	1910EST			0	0	0	0	FUNNEL CLOUDS
BAMBERG COUNTY countywide	05	1910EST			0	0	4	0	TSTM WINDS
CHESTER COUNTY countywide	05	1910EST			0	0	4	0	TSTM WINDS
MARLBORO COUNTY countywide	05	1910EST			0	0	4	0	TSTM WINDS
BARNWELL COUNTY Hilda	05	1915EST			0	0	6	0	TSTM WINDS
LANCASTER COUNTY Belltown Kershaw area	05	1915EST 1930EST			0	0	4	0	TSTM WINDS
	05	1930EST			0	7	5	0	TSTM WINDS
KERSHAW COUNTY Canden area	05	1930EST			0	0	5	0	TSTM WINDS
SUMNER COUNTY Northwest part	05	1930EST			0	0	5	0	TSTM WINDS
ORANGEBURG COUNTY countywide	05	1945EST			0	0	5	0	TSTM WINDS
CHESTERFIELD COUNTY Jefferson	05	2000EST			0	0	4	0	TSTM WINDS
CLARENDON COUNTY countywide	05	2000EST			0	0	4	0	TSTM WINDS
DARLINGTON COUNTY Darlington	05	2000EST			0	0	4	0	TSTM WINDS
FLORENCE COUNTY West Florence	05	2000EST			0	0	5	0	TSTM WINDS
LEE COUNTY countywide	05	2000EST			0	0	?	0	TSTM WINDS
DILLON COUNTY countywide	05	2100EST			0	0	?	0	TSTM WINDS An intense meso-cyclone which developed ahead of a cold front moved through Upstate South Carolina during the late afternoon of May 5. This system was responsible for 3 tornadoes and a line of severe thunderstorms, and produced many reports of damaging winds. This was the worst outbreak of severe weather in the Upstate since 1973. Also, the worst single tornado in South Carolina since March 28, 1984 occurred near Chesnee. The first tornado in South Carolina on May 5th started at the Georgia border west-southwest of Madison in Oconee County. It produced up to F1 intensity damage in the Welcome Church area. Damage was mostly to trees, but some power lines, mobile homes, and permanent structures received damage. The parent thunderstorm then ceased tornado production for about an hour but still caused wind damage in several locations across Oconee, Pickens, and Greenville counties. A short-lived F1 tornado developed at Tamassee from the most intense thunderstorm associated with the line of storms. Many large trees were snapped off and the DAR school received the brunt of the damage. There was some structural damage from the winds of the tornado, but much of the damage resulted from falling trees because the school is completely surrounded by thick forest. A particularly violent segment of the line moved through Greenwood and Anderson counties. Downburst winds caused \$125,000 in damage in the west side of the city of Greenwood where 50 homes were damaged. \$50,000 in damage occurred south of Anderson when several mobile homes and other property were damaged or destroyed by a powerful downburst. Significant damage

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

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

SOUTH CAROLINA

occurred west of and through Honea Path, into southern Greenville County, and across Laurens, southern Spartanburg, and Union counties as the storms moved east.

The tornadic thunderstorm ahead of the line of severe storms resumed tornado production over northern sections of Spartanburg County. A funnel cloud was observed in northern Greenville County and at Boiling Springs in Spartanburg County. A tornado touched down about halfway between Boiling Springs and Chesnee. This tornado was an F4 storm which was about 400 yards wide initially and gradually grew to about 1 mile in width. It touched down at 1720 EST, crossed into the extreme northwest corner of Cherokee County at 1733 EST, and then crossed into Rutherford County, NC at 1735 EST. Real property and utility damage was estimated at over \$2.5 million in Spartanburg County and real property damage in Cherokee County was \$250,000. 17 mobile homes were destroyed and another 5 damaged. 25 houses were destroyed and 57 were damaged. Several commercial buildings and many outbuildings were damaged or destroyed. A man was killed when the chimney of his house fell and a woman was killed when her mobile home was destroyed. There were 35 injuries and 2 deaths, all in Spartanburg County. M66P, P59M.

Severe thunderstorms occurred over the lower piedmont and midlands during the afternoon and evening causing considerable, but mostly minor damage.

Damage in Newberry County was relatively light, being confined mostly to limb breakage. In Lexington County, winds broke limbs and uprooted a number of trees in Batesburg and Leesville. The storm continued across Lake Murray and did considerable damage to trees and some homes along the northeast shore of Lake Murray about 5 miles southwest of Chapin.

Winds from rapidly-moving thunderstorms swept across Richland County. There were numerous power outages due mostly to falling limbs and some trees. A wind speed of 81 kts was registered atop the AWT Building in downtown Columbia as the storm passed. The northwest part of Sumter County suffered considerable wind damage. At least two mobile homes were heavily damaged and there were numerous power outages from broken limbs and some falling trees.

Three funnels were noted near Belltown in Lancaster County around 7 PM where a mobile home was destroyed by thunderstorm winds. In the Kershaw area of Lancaster County there was considerable wind damage, two mobile homes were destroyed and seven people transported to a hospital. A turkey barn was destroyed and minor damage was done to an elementary school.

In Kershaw County trees were blown down, damaging two mobile homes and several business in the Camden area. A large transformer was blown down in Kershaw.

Several trees were blown down near Johnston, in Edgefield County. Considerable wind damage to trees and power lines occurred in McCormick County. The hardest hit portion of the county was near Plum Branch where a funnel cloud was reported also. Power outages of more than 12 hours were reported at Plum Branch. Damaging thunderstorms continued across Aiken County, breaking limbs, disrupting power and blowing down a number of trees. The heaviest damage noted in Aiken County was a short distance north of the city of Aiken. In Barnwell County it appeared that the thunderstorms that generated the funnel cloud in eastern Burke County, GA likely produced downbursts strong enough to twist steel supports on a Kentucky Fried Chicken establishment and blew down several other signs nearby to it, as well as demolish an untethered, unoccupied mobile home one-half mile southeast of the town of Hilda. Several trees were downed and there were numerous power outages. A girl working at a drive in window in Hilda was struck by lightning but survived. In Allendale County a number of trees were blown down, with the most damage in the southern part of the county. The storm lost some intensity as it moved into the coastal plains. There was scattered tree and utility damage in Chesterfield, Clarendon, Darlington and Marion counties.

DORCHESTER COUNTY									
Rosinville	05	2015EST			0	0	4	0	TSTM WINDS
Reevesville	05	2015EST			0	0	3	0	TSTM WINDS
HAMPTON COUNTY									
countywide	05	2016EST			0	0	4	0	TSTM WINDS
BERKELEY COUNTY									
Central portions	05	2020EST			0	0	3	0	TSTM WINDS
COLLETON COUNTY									
Colleton	05	2025EST			0	0	4	0	TSTM WINDS
DORCHESTER COUNTY									
Givhans	05	2025EST			0	0	3	0	TSTM WINDS
WILLIAMSBURG COUNTY									
Bloomsville	05	2100EST			0	0	3	0	TSTM WINDS
COLLETON COUNTY									
Snoaks	05	2101EST			0	0	3	0	TSTM WINDS
BERKELEY COUNTY									
Goose Creek area	05	2114EST			0	0	3	0	TSTM WINDS

SOUTH CAROLINA

WILLIAMSBURG COUNTY									
Irene	05	2115EST			0	0	3	0	TSTM WINDS
Andrews	05	2115EST			0	0	3	0	TSTM WINDS

CHARLESTON COUNTY									
James Island	05	2145EST			0	0	4	0	LIGHTNING
James Island	05	2145EST			0	0	3	0	TSTM WINDS

HORRY COUNTY									
Myrtle Beach	05	2155EST			0	0	3	0	TSTM WINDS

GEORGETOWN COUNTY									
1 N Browns Ferry	05	2159EST			0	0	3	0	TSTM WINDS

An area of thunderstorms moved across coastal South Carolina causing widespread but mostly minor damage. There were scattered areas of tree damage, and power outages were caused by broken limbs and trees blown across power lines. A barn was destroyed near Rosinville in Dorchester County, and trees were blown down on Highways 3, 363 and 278, resulting in several accidents.

SPARTANBURG COUNTY									
Northern	06	1045EST			0	0	2	0	TSTM WINDS

A cluster of "cold air" thunderstorms moved into the northern sections of Spartanburg County during the late morning. Along with small hail, the storms produced some wind gusts to about 50 knots which caused a few trees to fall near Chesnee and Wellford. Some of the trees which fell had been weakened by the previous day's storms.

SC2001,002,003									
Northwest	08	A.M.			0	0	0	5	FROST

A rare May cold snap accompanied by temperatures near freezing and frost damaged many tender crops. There was also some damage to peaches and apples.

AIKEN COUNTY									
Clearwater	19	1715EST			1	0	0	0	HEAT

HORRY COUNTY									
Myrtle Beach	23	1200EST			0	4	4	0	TSTM WINDS (45MPH)

Winds during a thunderstorm lifted a lifeguard stand, blew a sailboat to sea and caused considerable minor damage. Four people were struck by flying beach umbrellas and required treatment.

39 SOUTH DAKOTA

Brown County, Aberdeen	04	1455 CST			0	0	0	0	High Wind
------------------------	----	----------	--	--	---	---	---	---	-----------

Aberdeen had a wind gust to 59 mph.									
Codington Co., Watertown	04	1607 CST			0	0	0	0	TSTM Wind (65)

McCook County, Canistota	04	1630 CST			0	0	0	0	TSTM Wind (52)
--------------------------	----	----------	--	--	---	---	---	---	----------------

Lincoln County, 16SSW Sioux Falls	04	1701 CST			0	0	0	0	TSTM Wind (52)
-----------------------------------	----	----------	--	--	---	---	---	---	----------------

Spink County, Mellette	11	1000 CST			0	0	0	0	TSTM Wind
------------------------	----	----------	--	--	---	---	---	---	-----------

Thunderstorm winds downed power lines causing a power outage in Mellette for 45 minutes.									
Kingsbury Co., 1N Lake Preston	21	1950 CST			0	0	0	0	Hail (2.0)

2.5N Lake Preston	21	2000 CST			0	0	?	?	Flood
-------------------	----	----------	--	--	---	---	---	---	-------

A thunderstorm dropped hail near Lake Preston which was six to ten inches deep in some places. Four to seven inches of rain fell, flooding some fields and roads, making them impassable. One car was swept away by moving water, but there were no injuries.

Dewey County, 9SW Timber Lake	22	0045 MST			0	0	?	0	TSTM Wind
-------------------------------	----	----------	--	--	---	---	---	---	-----------

Thunderstorm winds damaged buildings on a few farms.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— SOUTH DAKOTA									
Hughes County, Pierre	22	1636 CST			0	0	0	0	TSTM Wind (50)
Marshall County, 1W Britton	22	2130 CST			0	0	0	0	Hail (1.75)
Minnehaha Co., 1N Dell Rapids	23	1755 CST			0	0	0	0	Hail (2.00)
Moody County, Trent	23	1800 CST			0	0	0	0	Hail (2.00)
Bon Homme Co., 3SW Springfield	23	2115 CST			0	0	0	0	Hail (1.75)
	23	2215 CST			0	0	?	0	Lightning
									Lightning struck a house, causing a fire which resulted in damage.
SDZ001 Northwest South Dakota	25	0700 to 1500 MST			0	0	0	0	High Wind
									Strong winds in northwest South Dakota produced a gust to 53 mph at Buffalo.
Codington Co., Watertown	25	1740 CST			0	0	?	0	TSTM Wind (60)
									Thunderstorm winds downed trees, telephone poles, street lights, a few signs and a ham radio tower. Some boat docks were twisted.
Davison County, Mitchell	28	0715 CST			0	2	?	0	TSTM Wind
									An apparent microburst downed trees and overturned two semi-trucks, injuring two people.
40 TENNESSEE									
Dickson County	06	0350CST			0	0	2	0	Thunderstorm wind
Davidson County	06	0440CST			0	0	0	0	Hail (0.75) Hail (0.75)
									Thunderstorm winds knocked down a few trees and was accompanied by 3/4 inch diameter hail in the White Bluff area in Dickson County. Three-quarter inch diameter hail was also reported at Hermitage, in the Nashville metropolitan area of Davidson County.
Sevier County	06	0900EST			0	1	0	0	Lightning
									A woman was injured when lightning struck a tree nearby and then struck her. She was walking the Appalachian Trail near Clingmans Dome.
Unicoi County	06	1030EST			0	0	1	0	Thunderstorm wind
Washington County	06	1130EST			0	0	1	0	Thunderstorm wind
Carter County	06	1200EST			0	0	5	0	Thunderstorm wind
Johnson County	06	1200EST			0	0	5	0	Thunderstorm wind
Sullivan County	06	1300EST			0	0	0	0	Thunderstorm wind
									Damaging thunderstorm winds knocked down tree limbs, trees, power poles and signs throughout much of these counties. A large oak tree fell on a brick house in Elizabethton, Carter County, and did extensive damage. At another location in Elizabethton, a tree fell on a pickup truck and crushed it. Some house trailers were blown off of their foundations and a pressbox at a ballfield was blown from atop a dugout in Johnson County. In the Neva area of Johnson County, one large farm sustained heavy damage to several buildings.
Sumner County	20	0115CST			0	0	1	0	Thunderstorm wind
Wilson County	20	0130CST			0	0	0	0	Thunderstorm wind
Davidson County	20	0211CST			0	0	1	0	Hail (1.75)
Cheatham County	20	0230CST			0	0	0	0	Hail (0.75)
Rutherford County	20	0300CST			0	0	1	0	Thunderstorm wind
Davidson County	20	0300CST			0	0	3	0	Thunderstorm wind
Van Buren County	20	0345CST			0	0	2	0	Thunderstorm wind
Williamson County	20	0345CST			0	0	3	0	Thunderstorm wind
Coffee County	20	0420CST			0	0	4	0	Thunderstorm wind
Hamilton County	20	0430CST			0	0	2	0	Thunderstorm wind
									Severe thunderstorms moved across middle and southeast Tennessee during the predawn hours. They produced damaging thunderstorm wind, hail and heavy rain. Numerous tree limbs, trees, and power and telephone poles were knocked down leaving several communities without electric or phone service. In the Nashville area one thunderstorm produced golfball size hail and a storm later produced winds that knocked down trees, power lines and large signs. Two homes were damaged in Franklin when large trees fell on them. A mobile home in northern Coffee County was demolished by thunderstorm wind.
— TENNESSEE									
Shelby County	20	1032CST			0	0	0	0	Funnel Cloud
	20	1045CST			0	0	1	0	Hail (1.75)
	20	1105CST			0	0	3	0	Thunderstorm wind
Fayette County	20	1105CST			0	0	0	0	Funnel Cloud
	20	1135CST			0	0	2	0	Thunderstorm wind
									Thunderstorms produced damaging winds, large hail and funnel clouds during the morning hours in Southwest Tennessee. In midtown Memphis 1 to 1 3/4 inch hail fell for several minutes. A funnel cloud was sighted by police near the Memphis Zoo. Another funnel cloud was sighted later by Highway Patrol officers near Millington. Several parts of the city and county reported tree limbs and trees down. A tree fell on a car in Memphis while it was moving but the driver was unhurt. In Somerville, Fayette County, police estimated winds to be gusting to 60 mph. A few trees were knocked down and some signs were damaged.
Shelby County	22	0730CST			0	0	2	0	Thunderstorm wind
									Damaging thunderstorm winds knocked down tree limbs and power lines between Collierville and Germantown, leaving parts of both communities without power for several hours.
Giles County Minor Hill to 3SE of Pulaski	22	1937 to 1955CST	9.0	100	1	2	5	0	Tornado (F2)
									A tornado touched down in the Minor Hill area of southwest Giles County and moved northeast, last touching ground near Abernathy Field approximately 3 miles south-southeast of Pulaski. An infant was killed and his mother and aunt were injured when the car they were riding in, on Highway 11 near Minor Hill, struck a mobile home, unoccupied at the time, that was blown from its foundation near the highway and onto the road. The mobile home was totally demolished. A number of other homes and other buildings received serious damage, and trees were broken and uprooted. Total damage estimated at \$75,000 to \$100,000 occurred. MLV
Dickson County	26	1515CST			0	0	1	0	Thunderstorm wind
Hickman County	26	1520CST			0	0	1	0	Thunderstorm wind
Trousdale County	26	1620CST			0	0	1	0	Thunderstorm wind
Macon County	26	1625CST			0	0	1	0	Thunderstorm wind
Blount County	26	1915CST			0	0	3	0	Thunderstorm wind
Knox County	26	1930CST			0	0	2	0	Thunderstorm wind
Sevier County	26	1930CST			0	0	5	0	Thunderstorm wind
Greene County	26	2015CST			0	0	3	0	Thunderstorm wind
Cheatham County	26	2155CST			0	0	1	0	Thunderstorm wind
									Severe thunderstorm did widespread damage across these counties. Numerous trees were knocked down, as were power lines. In the Stone Dam area of Greene County several homes sustained damage and several smaller buildings were destroyed. A number of houses had damage, particularly to their roofs in the east part of Knox County, northeast Blount County and western Sevier County. Damaging thunderstorm winds ripped the roof off of a school building and blew a van off the road in western Sevier County.
Mauzy County	27	0010CST			0	0	1	0	Thunderstorm wind
Marshall County	27	0015CST			0	0	1	0	Thunderstorm wind
	27	0030CST			0	0	0	0	Hail (0.75)
									Damaging thunderstorm winds uprooted trees in Columbia, Mauzy County and in northern Marshall County. Power lines were downed in Lewisburg and 3/4 inch hail fell just south of the city.
41 TEXAS, Northern									
Hood County Cresson	1	0001CST			0	0	?	?	Hail (0.75)
Denton County Aubrey	1	0013CST			0	0	?	?	Hail (0.75)
Johnson County 3 E Cresson	1	0015CST			0	0	?	?	Hail (0.75)
Palo Pinto County: 7 W Mineral Wells	1	0020CST			0	0	?	?	Hail (2.75)
2 W Mineral Wells	1	0038CST			0	0	?	?	Hail (0.75)
Parker County 10 S Weatherford	1	0040CST			0	0	?	?	Hail (0.75)
Hill County: Osceola	1	0145CST			0	0	?	?	Hail (0.75)
6 N Hillsboro	1	0200CST			0	0	?	?	TSTM Wind (61) and Hail (0.75)
Hillsboro	1	0230CST			0	0	?	?	TSTM Wind
									Thunderstorms produced scattered areas of hail across North Central Texas. A downburst with winds estimated at 70 MPH produced considerable damage to trees and crops at Lovelace (6 N Hillsboro). A downburst damaged the roof of a restaurant in Hillsboro and blew down highway signs along Interstate 35 at Hillsboro.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

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

— TEXAS, Northern

<p>North Texas</p> <p>2</p> <p>A cluster of severe thunderstorms developed between Childress and Wichita Falls around 1500 CST and moved south-southeast toward Killeen during the evening hours, producing large hail, damaging bursts of wind, and a few brief tornadoes.</p> <p>Wilbarger County: 7 W Vernon</p> <p>2 1525CST</p> <p>Hail up to golf ball size fell between Lockett and Vernon around 1525 CST, accumulating to a depth of two inches and damaging part of the wheat crop in the area. Four inches of rain also fell in an hour and a half time span.</p> <p>Lamar County: Brookston Paris 10 E Paris Tigertown</p> <p>2 1552CST 2 1557CST 2 1615CST 2 1640CST</p> <p>Wichita County: 1 W Burk Burnett 1 SW Electra Red River County Detroit</p> <p>2 1607CST 2 1617CST 2 1620CST</p> <p>Archer County: 2 S Dundee 8 S Mankins 1 SW Archer City 2 S Mankins</p> <p>2 1633CST 2 1659CST 2 1701CST 2 1708CST</p> <p>Baylor County: 7 SW Dundee</p> <p>2 1636CST</p> <p>Throckmorton County: 6 SW Woodson 12 SSW Throckmorton</p> <p>2 1700CST 2 1710CST</p> <p>A downburst destroyed several sheds at 1700CST 6 miles southwest of Woodson.</p> <p>Young County: Olney Olney Olney 1 E Graham</p> <p>2 1730CST 2 1738CST 2 1754CST 2 1824CST</p> <p>Strong winds between 1730 and 1754CST ripped the roof off a highway maintenance building near Olney. Some empty cotton trailers were blown across a road and into some structures. Large trees, wood fences, and carports were also damaged over a wide area around Olney.</p> <p>Stephens County: Breckenridge 5 S Breckenridge</p> <p>2 1743CST 2 1800CST</p> <p>Hail up to baseball size fell at Breckenridge at 1743CST. The roofs of several homes were damaged by strong winds 5 miles south of Breckenridge at 1800CST.</p> <p>Eastland County: Ranger Ranger Ranger</p> <p>2 1823CST 2 1835CST 2 1843CST</p> <p>Hail up to baseball size broke windows and damaged vehicles in Ranger at 1823CST and 1843CST. The Ranger Truck Stop was unroofed and power lines were downed by a downburst at 1835CST. Several 18-wheel trucks were also blown off Interstate 20 in the Ranger area by wind gusts to 60 MPH.</p> <p>Palo Pinto County: Possum Kingdom Lk. Gordon</p> <p>2 1843CST 2 1900CST</p> <p>Erath County: Lingleville 4 W Dublin 3 W Stephenville Dublin</p> <p>2 1902CST 2 1915CST Short Narrow 2 1527CST 2 1931CST</p> <p>In western Erath County, a tornado was observed briefly by a retired National Weather Service employee 4 miles west of Dublin at 1915CST. No damage occurred from the tornado.</p> <p>Eastland County: Cisco Gorman 6 N Gorman</p> <p>2 1915CST 2 1940CST 2 1947CST</p> <p>Strong winds damaged a mobile home at Cisco around 1915CST. Golf ball size and larger hail was reported near Gorman at 1940CST and 1947CST.</p> <p>Coleman County 8 NW Coleman</p> <p>2 1930CST</p>	<p>— TEXAS, Northern</p> <p>Parker County 10 N Weatherford</p> <p>2 1945CST- 2030CST</p> <p>Tarrant County Ft. Worth</p> <p>2 1945CST- 2030CST</p> <p>Dallas County Dallas</p> <p>2 1945CST- 2030CST</p> <p>High winds produced by thunderstorm outflow blew across Parker, Tarrant, and Dallas counties between 1945 and 2030CST. A barn was destroyed about 10 miles north of Weatherford and winds estimated at 60 MPH caused minor power line and tree limb damage in Tarrant and Dallas counties.</p> <p>Comanche County: Beattie</p> <p>2 1950CST</p> <p>2 E Daleon Downing Proctor Res. 5 NE Gustine, Gustine and Energy</p> <p>2 1955CST 2 1958CST 2 2005CST 2 2015CST</p> <p>In northern Comanche County, a roof was blown off a home at Downing. The roof was blown off of a country club and several trailers were overturned at Proctor Reservoir. Hail up to two inches in diameter pelted the communities of Hazendell (5 NE Gustine), Gustine and Energy in southern Comanche County.</p> <p>Hamilton County: Carlton Olin 1 W Olin Pottsville</p> <p>2 1957CST 2 2020CST 2 2025CST Short Narrow 2 2100CST</p> <p>A tornado was observed briefly in open country one mile west of Olin at 2025 CST.</p> <p>Kaufman County: Kaufman 5 SW Kaufman</p> <p>2 2035CST 2 2035CST</p> <p>Downbursts blew down several trees in Kaufman, creating widespread power outages around the city. Highway signs were blown over along U.S. Highway 175 about 5 miles southwest of Kaufman.</p> <p>Henderson County 8 NW Bustace</p> <p>2 2115CST</p> <p>A radio tower was blown onto the city hall at Gun Barrel City (8 NW Bustace).</p> <p>Coryell County: 1 E Evant Purmela Bee House Pearl King</p> <p>2 2150CST 2 2150CST 2 2155CST 2 2200CST 2 2207CST</p> <p>5 NW Copperas Cove</p> <p>2 2300CST</p> <p>Trees were uprooted at Purmela. Roofs were blown off numerous outbuildings at Pearl. A mobile home was overturned and eleven others damaged by a downburst 5 miles northwest of Copperas Cove.</p> <p>Palo Pinto County Possum Kingdom Lk.</p> <p>2 2257CST</p> <p>Bell County: Killeen Fort Hood Bell County 1 E Killeen Arpt.</p> <p>2 2258CST 2 2300CST 2 2321CST</p> <p>Cherokee County Jacksonville</p> <p>2 2330CST</p> <p>Winds estimated at 60 MPH uprooted trees in and around Jacksonville.</p> <p>North Texas</p> <p>3</p> <p>Thunderstorms redeveloped after midnight between Wichita Falls and Fort Worth and between Stephenville and Fort Worth. The storms produced mostly heavy rain, but occasionally some pea size hail. Larger hail was reported around parts of Tarrant, Dallas, and Ellis counties just before sunrise.</p> <p>Palo Pinto County 4 W Mineral Wells</p> <p>3 0000CST</p> <p>Wilbarger County Vernon</p> <p>3 0050CST</p> <p>At Vernon, lightning set a house on fire, causing an 82 year old woman to die of smoke inhalation. (F82P)</p> <p>Tarrant County: 5 N Ft. Worth 7 SW Ft. Worth Dallas County Cedar Hill Ellis County Boz</p> <p>3 0443CST 3 0515CST 3 0530CST 3 0600CST</p>
---	--

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Northern									
Gregg County Longview	3	0700CST			0	0	?	?	TSTM Wind
									Strong winds toppled a tree onto a garage in Longview.
North Texas	3-4								Thunderstorms developed again between Wichita Falls and Lubbock around 2200CST and moved east-southeast across North Texas overnight, reaching the Dallas-Fort Worth area around sunrise.
Haskell County: 5 NW Haskell	3	2230CST			0	0	?	?	Hail (0.75)
10 SE Haskell	3	2330CST			0	0	?	?	Hail (1.75)
Knox County 3 W Knox City	3	2245CST			0	0	?	?	Hail (1.75)
Throckmorton County 9 W Throckmorton	3	2335CST			0	0	?	?	Hail (0.75)
Shackelford County 9 W Albany	3	2345CST			0	0	?	?	Hail (1.00)
Callahan County 1 N Cross Plains	4	0115CST			0	0	?	?	Hail (1.50)
Stephens County: Breckenridge	4	0020CST			0	0	?	?	Hail (0.75)
Breckenridge	4	0045CST			0	0	?	?	Hail (0.75)
Eastland County Rising Star	4	0100CST			0	0	?	?	Hail (0.75)
Bosque County: Meridian	4	0230CST			0	0	?	?	TSTM Wind
Clifton	4	0250CST			0	0	?	?	Hail (0.88)
									A downburst blew a tree onto a power line at Meridian.
Baylor County Lake Kemp	4	0232CST			0	0	?	?	Hail (2.75)
Young County: Olney	4	0305CST			0	0	?	?	Hail (1.00)
Graham	4	0340CST			0	0	?	?	Hail (2.75)
Palo Pinto County: Graford	4	0350CST			0	0	?	?	TSTM Wind (63)
7 N Mineral Wells	4	0430CST			0	0	?	?	Hail (0.88) and TSTM Wind
5 NW Mineral Wells	4	0430CST			0	0	?	?	TSTM Wind
3 N Mineral Wells	4	0430CST			0	0	?	?	TSTM Wind
									In Palo Pinto County, a downburst produced winds up to 72 MPH at Graford. The roof was blown off a night club 7 miles north of Mineral Wells. At about the same time, a barn was blown down 5 miles north-northwest of Mineral Wells. Strong winds also destroyed two barns and damaged two mobile homes and the roof of a house 3 miles north of Mineral Wells.
Wichita County Ramay	4	0400CST			0	0	?	?	Hail (0.75)
Parker County 7 NW Weatherford	4	0455CST			0	0	?	?	TSTM Wind
									In Parker County, a barn was destroyed 7 miles northwest of Weatherford.
Tarrant County: Catswell AFB	4	0524CST			0	0	?	?	TSTM Wind (52)
2 S Ft. Worth	4	0615CST			0	0	?	?	Hail (1.75)
3 N Crowley	4	0755CST			0	0	?	?	TSTM Wind
Crowley	4	0755CST			0	0	?	?	Flash Flooding
									In Tarrant County, power lines were blown down about 3 miles north of Crowley. Heavy rains flooded several roads in and around Crowley by 0755CST.
Erath County Morgan Mill	4	0600CST			0	0	?	?	Hail (0.75)
Hood County Granbury	4	0655CST			0	0	?	?	Hail (0.75)
Eastland County Rising Star	4	0710CST			0	0	?	?	Hail (0.75)
Johnson County 3 SW Burleson	4	0715CST			0	0	?	?	Hail (2.00)
Stephens County Breckenridge	4	0715CST			0	0	?	?	Hail (0.75)
Erath County Morgan Mill	4	0730CST			0	0	?	?	Hail (0.75)
Somervell County 3 NW Glen Rose	4	0800CST			0	0	?	?	Hail (0.75)
Ellis County: Waxahachie	4	0810CST			0	0	?	?	TSTM Wind
Italy	4	0830CST			0	0	?	?	Hail (0.75)
Ernis	4	0830CST			0	0	?	?	TSTM Wind (52)
Waxahachie	4	0905CST			0	0	?	?	Flash Flooding
									In Ellis County, a downburst in Waxahachie blew sheet metal off several outbuildings. Around 0830CST at Ernis, a 60 foot truck trailer was flipped over on top of a nearby car by high winds. By 0905CST heavy rains had flooded and closed roads in and around Waxahachie, as well as around Ernis and Hidothian.
TEXAS, Northern									
Hill County Blum	4	0816CST			0	0	?	?	TSTM Wind (52)
Johnson County Keene	4	0830CST			0	0	?	?	Hail (0.75)
Henderson County Athens	4	0930CST			0	0	?	?	TSTM Wind (56)
									Winds were estimated at 60 MPH at Blum. A downburst broke large limbs from trees in Athens.
Anderson County Brushy Creek	4	1025CST			0	0	?	?	Hail (0.88)
Houston County Grapeland	4	1130CST			0	0	?	?	TSTM Wind
									Numerous trees and power lines were blown down by strong winds in and around Grapeland.
North Texas	4-5								A derecho storm complex developed over the Texas Panhandle around 1500CST and moved into the northwest part of North Texas around 1800CST and moved rapidly southeast, causing widespread hail and extreme thunderstorm winds over most of North Texas before morning.
Hardeman: Chillicothe	4	1830CST			0	0	?	?	TSTM Wind
Quanah	4	1840CST			0	0	?	?	TSTM Wind (52)
									Trees were uprooted and a storage building destroyed in Chillicothe by strong winds. Winds gusted to 60 MPH at Quanah.
Foard County Crowell	4	1905CST			0	0	?	?	Hail (2.75) and TSTM Wind
									Baseball size hail fell at Crowell. Strong winds damaged the high school about the same time.
Wilbarger County: Odell	4	1910CST			0	0	?	?	TSTM Wind
Vernon	4	1920CST			0	0	?	?	TSTM Wind (78)
									Winds in excess of 90 MPH downed trees, damaged roofs and destroyed barns at Odell and Vernon.
Baylor County: Seymour	4	1925CST			0	0	?	?	Hail (1.75)
Lake Kemp	4	1930CST			0	1	?	?	TSTM Wind
Seymour	4	1940CST			0	0	?	?	TSTM Wind (56) and Hail (2.50)
Knox County Knox City	4	1937CST			0	0	?	?	TSTM Wind (52)
									Strong winds damaged roofs and downed trees and power lines around Lake Kemp and Seymour. A man was injured at Lake Kemp when strong winds overturned his mobile home. Four large grain bins were destroyed at Seymour and a plane was overturned at the airport.
Haskell County: Haskell	4	1947CST			0	0	?	?	TSTM Wind (52)
5 S Rochester	4	1947CST			0	0	?	?	Short Narrow and Tornado (F1)
3 N Stamford	4	1951CST			0	0	?	?	Short Narrow and Tornado (F1)
									A brief tornado was reported east of Haskell between Rochester and Rule. A few minutes later another brief tornado was reported 3 miles north of Stamford along the Haskell-Jones county line.
Young County: Olney	4	1955CST			0	0	?	?	TSTM Wind
Newcastle	4	2015CST			0	0	?	?	TSTM Wind (74)
Graham	4	2030CST			0	0	?	?	TSTM Wind (83)
									Strong winds blew down trees and power lines across Young County. According to newspaper accounts, almost every structure in Olney sustained some damage, mostly to roofs, awnings, and carports. Two mobile homes were destroyed in Olney. Part of a bank building wall fell over in Newcastle. The Texas Utilities power plant at Lake Eddleman (just north of Graham) clocked wind gusts to 95 MPH. Part of the roof of a department store was ripped off in Graham.
Wichita County: Burk Burnett	4	1956CST			0	0	?	?	TSTM Wind (52)
Electra	4	2000CST			0	0	?	?	TSTM Wind
Burk Burnett	4	2008CST			0	0	?	?	Hail (1.25)
Rocky Pt.	4	2011CST			0	0	?	?	TSTM Wind (61)
Kadane Corner	4	2012CST			0	0	?	?	TSTM Wind (61)
Iowa Park	4	2015CST			0	0	?	?	TSTM Wind (52)
Wichita Falls	4	2019CST			0	0	?	?	Hail (0.75)
Wichita Falls	4	2020CST			0	0	?	?	TSTM Wind (68)
									Wind gusts to 78 MPH were recorded at the Wichita Falls WSO at 2020CST. Trees and power lines were blown down over a wide area of Wichita County, including Burk Burnett, Electra, and Wichita Falls. A roof was damaged at Iowa Park.
Throckmorton County: Throckmorton	4	2005CST			0	0	?	?	TSTM Wind
Elbert	4	2005CST			0	0	?	?	TSTM Wind
									A roof was blown off a motel at Throckmorton. Trees, signs and power lines were blown down or damaged at Throckmorton and Elbert.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Northern									
Shackelford County 16 N Albany	4	2005CST	Short Narrow	0	0	0	?	?	Tornado (F1)
			Storm chasers reported a brief tornado in open country 16 miles north of Albany.						
Archer County: Holliday	4	2005CST		0	0	?	?	?	TSTM Wind
Archer City	4	2010CST		0	0	?	?	?	TSTM Wind (52)
Megargel	4	2015CST		0	0	?	?	?	Hail (2.75) and TSTM Wind
			Trees and power lines were blown down by strong winds at Holliday and Megargel. Golf ball hail also fell at Megargel.						
Stephens County Breckenridge	4	2015CST		0	0	?	?	?	TSTM Wind
			Strong winds blew down trees around Breckenridge.						
Clay County Lake Arrowhead	4	2030CST		1	0	?	?	?	TSTM Wind
			A man drowned when his boat overturned on Lake Arrowhead from high winds during a thunderstorm. Some outbuildings and mobile homes were damaged around the county. N580						
Jack County Jack Co.	4	2030CST		0	0	?	?	?	Hail (1.75)
Palo Pinto County: Possum Kingdom Lk.	4	2035CST		0	0	?	?	?	Hail (2.75)
Possum Kingdom Lk.	4	2050CST		0	0	?	?	?	TSTM Wind
Mineral Wells	4	2102CST		0	0	?	?	?	Hail (1.75) and TSTM Wind (56)
			An intense downburst destroyed a marina at Possum Kingdom Lake around 2050CST. The storm also damaged a dozen businesses and around 100 homes in two neighborhoods around the lake. Strong winds also caused widespread tree and powerline damage around Mineral Wells, and a mobile home was destroyed and several others damaged from the winds in Mineral Wells.						
Parker County: 10 W Weatherford	4	2045CST		0	0	?	?	?	Hail (1.00) and TSTM Wind
Weatherford	4	2110CST		0	0	?	?	?	TSTM Wind (61)
4 S Weatherford	4	2117CST		0	0	?	?	?	Hail (1.75)
Weatherford	4	2135CST		0	0	?	?	?	Hail (1.75)
Aledo	4	2140CST		0	0	?	?	?	Hail (2.75)
			Strong winds uprooted trees and blew down power lines throughout Parker County. A roof was blown off the old school gym in Brock (10 W of Weatherford). Mobile homes were damaged around Weatherford and airplanes at the Parker County airport were torn from their tie-downs and flipped over. A majority of the peach crop was also damaged.						
Wichita County Wichita Falls	4	2054CST		0	0	?	?	?	TSTM Wind (59)
Bastland County: Ranger	4	2100CST		0	0	?	?	?	Hail (0.75)
Cisco	4	2120CST		0	0	?	?	?	Hail (1.75)
Brath County Stephenville	4	2106CST		0	0	?	?	?	Hail (0.75)
Hood County: 3 N Tolar	4	2110CST	Short Narrow	0	0	?	?	?	Tornado (F1)
Thorp Spring	4	2115CST		0	0	?	?	?	Hail (2.75)
Granbury	4	2116CST		0	0	?	?	?	Hail (1.75)
1.5 NW Thorp Spring to 2 ESE Thorp Spring	4	2120CST	3.5 500	0	22	?	?	?	Tornado (F2)
Lake Granbury	4	2125CST		0	0	?	?	?	TSTM Wind (61)
Cresson	4	2140CST		0	0	?	?	?	Hail (1.75)
			A tornado and downbursts did considerable damage in Hood County. A tornado was observed briefly in open country about 3 miles north of Tolar. Another tornado made a 3.5 mile path through the Oak Trail Shores mobile home park and Live Oak subdivision north of Granbury. Twenty-two people suffered minor injuries. Thirty-nine mobile homes and 6 permanent homes were destroyed. Twenty-nine additional homes received major damage and 125 received minor damage. Forty-four boats were damaged at the De Cordova Marina on Lake Granbury.						
Bosque County: 5 NNE Kopperl	4	2115CST		0	0	?	?	?	TSTM Wind
Walnut Springs	4	2125CST		0	0	?	?	?	Hail (1.00)
Walnut Springs	4	2140CST		0	0	?	?	?	Hail (1.50)
			Trees were uprooted and power lines blown down 5 miles north-northeast of Kopperl.						
Montague County Bowie	4	2130CST		0	0	?	?	?	High Wind (62)
			Thunderstorm outflow produced winds to 71 MPH at Bowie.						
TEXAS, Northern									
Comanche County: 2 W DeLeon	4	2130CST		0	0	?	?	?	Hail (1.00)
Proctor Res.	4	2155CST		0	0	?	?	?	Hail (1.75) and TSTM Wind
8 W Comanche	4	2155CST		0	0	?	?	?	Hail (1.75)
			Strong winds uprooted trees and damaged several mobile homes near a country club at Proctor Reservoir.						
Hill County: Itasca	4	2130CST		0	0	?	?	?	TSTM Wind (52) and Hail (1.75)
Blum	4	2138CST		0	0	?	?	?	Hail (1.75)
Whitney	4	2145CST		0	0	?	?	?	Hail (1.75)
8 SSE Blum	4	2145CST		0	0	?	?	?	Hail (2.75)
Byram	4	2155CST		0	0	?	?	?	TSTM Wind
Malone	4	2200CST		0	0	?	?	?	TSTM Wind and Hail (1.00)
Hutbard	4	2215CST		0	0	?	?	?	Hail (1.00)
Mt. Calm	4	2215CST		0	0	?	?	?	Hail (1.00)
			Winds estimated at 60 MPH uprooted trees at Itasca. A cotton gin and two grain storage tanks in Byram were completely destroyed by high winds. At Malone, the roof was blown off a motel and trees and power lines were knocked down.						
Tarrant County: 15 SW Ft. Worth	4	2142CST		0	0	?	?	?	Hail (1.00)
Benbrook	4	2150CST		0	0	?	?	?	Hail (0.75) and TSTM Wind (70)
Carswell AFB	4	2155CST		0	0	?	?	?	Hail (1.00)
Ft. Worth Meacham	4	2203CST		0	0	?	?	?	TSTM Wind (50)
Carswell AFB	4	2208CST		0	0	?	?	?	TSTM Wind (57)
Ft. Worth	4	2225CST		0	0	?	?	?	TSTM Wind (87)
Nrn. and Em.	4	2300CST-		4	0	?	?	?	Flash Flooding
Tarrant Co.	5	0200CST							
			Strong winds and hail caused havoc across Tarrant County. Numerous homes and businesses sustained damage to roofs, sheds, porches, carports, fences and the like from the high winds or fallen trees. Winds were clocked to near 100 MPH at KVAS-TV just east of downtown Fort Worth, while Carswell AFB and Meacham Field recorded gusts to 60 and 75 MPH, respectively. Power was out to over 255,000 customers, the worst outage since the 1979 ice storm. At Eagle Mountain Lake, 100 boats were damaged along with 6-8 boathouses. Boats were also damaged at Lake Worth. Two to four inch rains between 2200 and 2400CST flooded creeks and low-lying areas. Numerous homes and businesses sustained damage from flood waters. In the northeast suburb of Hurst, several cars from a train were derailed when floodwaters weakened the railbed.						
			At about 2315CST in north Fort Worth, a family trying to escape rising water from a nearby creek that appeared to be threatening their mobile home, drove their vehicle into a flooded low water crossing. Four people escaped but three others drowned. Several other people were rescued from similar situations around town. M29V, M1JV, H5V.						
			At about 0005CST a 22 year old male drowned when the car he was driving was swept into Cottonwood Creek along Great Southwest Parkway in extreme eastern Tarrant County. Two women escaped from the car by climbing out a window and clinging to trees. Five other people were rescued from cars in the same area. M2ZV						
Johnson County: Cleburne	4	2144CST		0	0	7	7	?	Hail (2.75) and TSTM Wind
Godley	4	2149CST		0	0	?	?	?	Hail (1.25) and TSTM Wind
			Large hail and strong winds blew down trees and power lines and damaged property around Johnson County. Power outages were widespread around Cleburne, Alvarado, Godley, and Cresson. Hail as big as baseballs damaged cars and broke windows in Cleburne. A woman was rescued from a flooded creek when her vehicle was washed off a road. Total damage was estimated in excess of five million dollars to property, \$1.27 million to roads and bridges, and \$6-10 million in crops. All told, 18 homes, 16 mobile homes, and 6 businesses were destroyed. Damaged were 542 homes, 244 mobile homes, and 127 businesses.						
Somervell County Rainbow	4	2145CST		0	0	?	?	?	Hail (1.75)
			Hail up to golf ball size broke windows out of some homes in Rainbow.						
Wise County: Newark	4	2205CST		0	0	?	?	?	High Wind
Bridgeport	4	2210CST		0	0	?	?	?	High Wind
Denton County Denton	4	2215CST		0	0	?	?	?	High Wind (82)
			Outflow from the intense thunderstorms in Tarrant County tore up roofs, trees, and power lines across Wise and Denton counties. Particularly hard hit were the areas around Runaway Bay and Paradise near Bridgeport, all in the west or southwest part of Wise County. Winds gusted to an estimated 95 MPH at Denton.						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

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

— TEXAS, Northern

McLennan County:									
West	4	2215CST			0	0	?	?	Hail (1.75)
West	4	2215CST			0	2	?	?	TSM Wind
4 NW Mart	4	2218CST			0	0	?	?	Hail (1.75)
Waco	4	2223CST			0	0	?	?	Hail (0.75)
8 NW Mart	4	2230CST			0	7	?	?	TSM Wind
8 NW Mart	4	2230CST			0	0	?	?	Hail (2.75)
Leroy	4	2234CST			0	0	?	?	Hail (1.75)
Leroy	4	2242CST			0	0	?	?	TSM Wind
4 NE Bellmead	4	2251CST			0	0	?	?	TSM Wind
<p>Strong winds rolled a mobile home near West, causing minor injuries to the two occupants. An intense dowrburst hit a mobile home park about 8 miles northwest of Mart in McLennan County, near the intersection of U.S. Highway 84 and Farm Road 939. Seven people were injured as five mobile homes were destroyed. Another 25 homeowners suffered damage to property, including trees, roofs and storage buildings. Trees were blown down at Leroy and power lines were down 4 miles north of Bellmead.</p>									
Ellis County:									
Waxahachie	4	2224CST			0	0	?	?	Hail (0.75)
Avalon	4	2226CST			0	0	?	?	Hail (1.00)
Ellis Co.	4	2320CST			0	0	?	?	High Wind
<p>High winds from thunderstorm outflow caused widespread damage around Italy, Boz and Boyce. Tree damage occurred west of Ferris and at Maypearl.</p>									
Limestone County:									
Mexia	4	2230CST			0	0	?	?	Hail (1.00)
6 W Mexia	4	2240CST			0	0	?	?	TSM Wind
Mexia	4	2240CST			0	0	?	?	TSM Wind
Groesbeck	4	2245CST			0	0	?	?	TSM Wind
<p>Large trees were uprooted near the Bistone Water Plant at Lake Mexia (6 W Mexia). At about the same time, trees were uprooted, power lines were knocked down, and windows were blown out in Mexia. Mobile homes, sheds, carports and trees were toppled by strong winds at Groesbeck.</p>									
Grayson County									
Sherman	4	2234CST			0	0	?	?	High Wind (52)
<p>A wind gust to 60 MPH was recorded at a television station in Sherman as outflow from the intense thunderstorms to the south.</p>									
Navarro County:									
Blooming Grove	4	2239CST			0	0	?	?	TSM Wind
Corsicana	4	2255CST			0	0	?	?	TSM Wind (65)
<p>Trees were uprooted at Blooming Grove while strong winds estimated at 70 MPH blew down trees and power lines, and overturned several mobile homes around Corsicana.</p>									
Falls County:									
Lott	4	2240CST			0	0	?	?	TSM Wind
Perry	4	2300CST			0	0	?	?	TSM Wind
Freestone County:									
Teague	4	2240CST			0	0	?	?	TSM Wind
Fairfield	4	2315CST			0	0	?	?	Hail (0.75) and TSM Wind
<p>Trees were blown down in and around Lott and Perry. The roof was blown off a mobile home at Teague and trees were blown down at Fairfield.</p>									
Dallas County:									
10 W Dallas	4	2241CST			0	0	?	?	TSM Wind (52)
Dallas	4	2250CST			0	0	?	?	TSM Wind (65)
Wm. Dallas Co.	4	2300CST			1	0	?	?	Flash Flooding
<p>Trees and power lines were damaged across a large part of Dallas County. Strong winds collapsed the wall of an electronics warehouse, touching off an automatic sprinkler system and producing about \$1 million damage to merchandise. Several airplanes were overturned by the wind at Redbird Airport. A 60 year old man drowned in Grand Prairie when his truck was washed into Cottonwood Creek at about 2340CST. M60V</p>									
Eastland County									
Rising Star	4	2245CST			0	0	?	?	TSM Wind
<p>Windows were blown out of a nursing home at Rising Star.</p>									
Bell County:									
Temple Mun. Arpt.	4	2250CST			0	0	?	?	TSM Wind (60)
Gray AAF	4	2257CST			0	0	?	?	TSM Wind (51)
3 S Temple	4	2312CST			0	0	?	?	TSM Wind (61)
<p>Strong winds overturned an airplane at Temple Municipal Airport. A mobile home was ripped apart in Temple.</p>									
Hamilton County									
Hamilton	4	2255CST			0	0	?	?	TSM Wind (65)
<p>Trees and power lines were blown down around Hamilton.</p>									
Collin County									
Princeton	4	2300CST			0	0	?	?	High Wind
<p>Outflow from the strong thunderstorms in Dallas County uprooted trees and blew down power lines around Lake Levon. A warehouse was leveled by the wind at Princeton.</p>									

— TEXAS, Northern

Coryell County:									
Coryell City	4	2300CST			0	0	?	?	TSM Wind
1 E Gatesville	4	2315CST			0	0	?	?	TSM Wind
Bee House	4	2315CST			0	0	?	?	Hail (0.75)
<p>Strong winds uprooted trees at Coryell City and just east of Gatesville.</p>									
Rockwall County									
Rockwall	4	2320CST			0	0	?	?	TSM Wind
Kaufman County:									
Terrell	4	2325CST			0	0	?	?	TSM Wind
5 SE Kemp	4	2325CST			0	0	?	?	TSM Wind
<p>Trees were uprooted at Rockwall and trees and power lines were blown down in Terrell and other parts of Kaufman County. Six mobile homes were destroyed by strong winds 5 miles southeast of Kemp.</p>									
Hurt County									
Greenville	4	2330CST			0	0	?	?	TSM Wind
<p>Trees and power lines were blown down in and around Greenville.</p>									
Henderson County:									
Malakoff	4	2330CST			0	0	?	?	TSM Wind (57)
Athens	4	2330CST			0	0	?	?	TSM Wind (57)
Cedar Creek Res.	4	2330CST			0	0	?	?	TSM Wind
Brownboro	4	2340CST			0	0	?	?	TSM Wind
Chandler	4	2340CST			0	0	?	?	TSM Wind
<p>Strong winds demolished several boat docks on Cedar Creek Reservoir. Trees were blown down around the lake, with some of them falling on homes and cars. Trees and power lines were blown down at Brownboro and Chandler.</p>									
Leon County:									
Buffalo	4	2330CST			0	0	?	?	TSM Wind (61)
Centerville	4	2337CST			0	0	?	?	TSM Wind (56)
<p>Winds estimated at 70 MPH destroyed several mobile homes and took the roofs off houses in Buffalo. Windows were also blown out of homes and trees and power lines were down. A few minutes later, winds were estimated at 65 MPH at Centerville where trees were blown down.</p>									
Hill County									
Hubbard	4	2340CST-			0	0	?	?	High Wind (52)
	5	0010CST							
<p>Outflow from thunderstorms was estimated at 60 MPH at Hubbard. The strong winds uprooted a tree and blew a canopy at a car dealership onto several other cars.</p>									
Anderson County:									
Palestine	4	2341CST			0	0	?	?	Hail (1.75) and TSM Wind
Elkhart									
Elkhart	4	2350CST			0	0	?	?	TSM Wind
Houston County:									
Crupland	4	2355CST			0	0	?	?	TSM Wind
Crockett	4	2355CST			0	0	?	?	TSM Wind
<p>Strong winds uprooted trees and blew down power lines in Palestine and Elkhart in Anderson County. In Houston County, trees and power lines were blown down at Crupland and Crockett. Some homes were damaged in Crockett as trees fell across them.</p>									
Rains County									
Enory	4	2350CST			0	0	?	?	TSM Wind
Van Zandt County									
Canton	4	2355CST			0	0	?	?	TSM Wind
Hopkins County									
Sulphur Springs	5	0000CST			0	0	?	?	TSM Wind
<p>Strong winds blew down trees and power lines in and around Enory, Canton and Sulphur Springs.</p>									
Delta County									
Cooper	5	0000CST			0	0	?	?	High Wind
Lamar County									
Powderly	5	0000CST			0	0	?	?	High Wind
Red River County									
Clarksville	5	0015CST			0	0	?	?	High Wind (52)
<p>High winds from thunderstorm outflow blew across Delta, Lamar and Red River counties, blowing down trees and power lines. Some trees blocked roads. At Powderly, trees fell across two mobile homes.</p>									
Cherokee County									
Jacksonville	5	0005CST			0	0	?	?	TSM Wind (52)
<p>Strong winds uprooted trees and caused power outages in and around Jacksonville.</p>									
Bell County									
Killeen	5	0010CST			0	0	?	?	Hail (0.75)
Wood County:									
Mineola	5	0010CST			0	0	?	?	TSM Wind
Quitman	5	0015CST			0	0	?	?	TSM Wind
Wimmsboro	5	0020CST			0	0	?	?	TSM Wind
<p>Strong winds estimated at 80 MPH toppled trees and power lines at Mineola. Trees were also blown down in and around Quitman and Wimmsboro.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Northern									
Smith County: Tyler Tyler	5	0016CST 0018CST			0	0	?	?	TSTM Wind (72) Hail (2.75)
Strong winds gusted to 83 MPH at Tyler. Trees and power lines were down in and around Tyler.									
Camp County Pittsburg Titus County Mt. Pleasant	5	0022CST 0035CST			0	0	?	?	TSTM Wind TSTM Wind
Trees were uprooted in and around Pittsburg and Mt. Pleasant. A large tree fell onto a house in Mt. Pleasant, causing considerable damage.									
Angelina County: Lufkin Lufkin	5	0025CST 0030CST			0	0	?	?	TSTM Wind Hail (2.75)
Rusk County: 12 NE Henderson 5 W Henderson Nacogdoches County Nacogdoches	5	0030CST 0052CST 0035CST			0	0	?	?	TSTM Wind TSTM Wind TSTM Wind
Trees and power lines were blown down across Angelina, Rusk, and Nacogdoches counties. Many roads were blocked by fallen trees, including 16 county roads in and around Nacogdoches. In Rusk County, a tractor-trailer rig carrying gasoline crashed into a fallen tree on State Highway 64 west of Henderson, causing the vehicle to burst into flame, killing the driver.									
Upshur County: Big Sandy Gilmer	5	0030CST 0035CST			0	0	?	?	TSTM Wind TSTM Wind
Cass County: Linden 6 W Linden	5	0045CST 0045CST			0	0	?	?	Hail (1.00) TSTM Wind
Marion County: 3 W Kellyville Kellyville	5	0050CST 0050CST			0	0	?	?	TSTM Wind Hail (1.00)
San Augustine County San Augustine Gregg County: Longview Sm. Longview	5	0100CST 0105CST 0130CST			0	0	?	?	TSTM Wind TSTM Wind (61)
Harrison County: Hallsville Harleton Marshall	5	0130CST 0130CST 0130CST			0	0	?	?	TSTM Wind TSTM Wind Hail (1.00)
Shelby County: Tenaha Center Timpson	5	0132CST 0132CST 0132CST			0	0	?	?	Hail (1.00) Hail (0.88) TSTM Wind (61)
Panola County Lake Murvaul	5	0134CST			0	0	?	?	TSTM Wind and Hail (1.00)
Trees were uprooted and power lines were blown down across scattered areas of Upshur, Cass, Marion, San Augustine, Gregg, Harrison, Shelby and Panola counties in Northeast Texas. There were also widespread power outages in some of these counties.									
Tarrant County: Ft. Worth Ft. Worth Arlington	7	0133CST 0148CST 0159CST			0	0	?	?	Hail (0.75) Hail (1.00) Hail (0.75)
Young County: Graham Newcastle Johnson County Joshua	7	0200CST 0223CST 0230CST			0	0	?	?	Hail (1.00) Hail (0.75) Hail (0.75)
Palo Pinto County Oran	7	0230CST			0	0	?	?	Hail (0.75)
Wise County Bridgeport	7	0246CST			0	0	?	?	Hail (1.00)
Henderson County Athens	7	0323CST			0	0	?	?	Hail (0.75)
Tarrant County Ft. Worth	7	0335CST			0	0	?	?	Hail (0.75)
Denton County 5 W Lewisville	7	0355CST			0	0	?	?	Hail (1.75)
Jack County: Jacksboro Ferrin Freesboro	7	0400CST 0400CST 0430CST			0	0	?	?	Hail (1.00) Hail (1.00) Hail (1.00)
Fairfield Parker County Aledo	7	0430CST			0	0	?	?	Hail (0.75)
Young County: Graham Graham	7	0520CST 0530CST			0	0	?	?	Hail (1.00) Hail (1.75)
Palo Pinto County: Pocahontas Lk. Pocahontas Lk.	7	0605CST 0620CST			0	0	?	?	Hail (0.75) Hail (0.75)
Young County: 4 E Graham Graham	7	0835CST 0920CST			0	0	?	?	Hail (1.75) Hail (1.75)
Thunderstorms produced scattered areas of hail across North Central Texas during the early morning hours of the 7th.									
TEXAS, Northern									
Palo Pinto County NW Palo Pinto Co. Young County Graham Jack County Wm. Jack Co.	7	0945CST-1230CST 1000CST-1300CST 1000CST-1300CST			0	0	?	?	Flash Flooding Flash Flooding Flash Flooding
Heavy rainfall flooded State Highway 254 in the northwest part of Palo Pinto County. Water got into some houses in Graham. In Jack County, U.S. Highway 380 and Farm Road 1191 were flooded and closed near Bryson. Also in Jack County, State Highway 114 was flooded and closed west of Jacksboro.									
Cass County: 8 N Atlanta 5 NE Atlanta	9	0832CST 0845CST			0	0	?	?	Hail (1.00) Hail (2.00)
Marion County: Smithland 6 N Jefferson	9	0947CST 1035CST			0	0	?	?	Hail (1.00) Hail (0.88)
Gregg County Kilgore Rusk County 3 SE Kilgore	9	1410CST 1415CST			0	0	?	?	Hail (1.00) Hail (0.88)
Panola County 3 NW Beckville	9	1425CST			0	0	?	?	Hail (0.75)
Thunderstorms in Northeast Texas produced scattered areas of hail which ranged up to 2 inches in diameter 5 miles northeast of Atlanta in Cass County.									
Stonevall County Aspermont	12	1817CST			0	0	?	?	Hail (1.75)
Haskell County: Sagerton 8 S Sagerton	12	1848CST 1905CST			0	0	?	?	Hail (1.75) Hail (2.75)
Jones County: Tuxedo Tuxedo Tuxedo Stamford	12	1915CST Short Narrow 1915CST-3.0 100 1925CST 1939CST 1939CST			0	0	?	?	Tornado (F0) Tornado (F1) Hail (2.75) Hail (2.75)
Storm chasers observed 2 tornadoes near Tuxedo in northern Jones County. One of the tornadoes was on the ground for 10 minutes. No damage occurred from the tornadoes.									
Board County 1 E Crowell	12	1930CST			0	0	?	?	Hail (0.75)
Haskell County 4 N Stamford	12	1940CST			0	0	?	?	Hail (2.75)
Jones County: 9 N Anson 3 SW Lueders	12	1950CST Short Narrow 2015CST Short Narrow			0	0	?	?	Tornado (F1) Tornado (F1)
Brief tornadoes were observed in open country 9 miles north of Anson and 3 miles southwest of Lueders.									
Shackelford County: Albany Moran 2 S Moran 8 W Albany	12	2042CST 2115CST 2115CST 2155CST			0	0	?	?	Hail (1.75) Hail (1.75) TSTM Wind Hail (0.75)
Golf ball size hail fell at Albany causing considerable damage to the roofs and windows of homes and to cars. A downburst damaged barns and outbuildings 2 miles south of Moran.									
Wichita County: Iowa Park Iowa Park Wichita Falls Wichita Falls	12	2112CST 2144CST 2150CST 2203CST			0	0	?	?	Hail (0.75) Hail (0.75) Hail (0.75) Hail (0.75)
Eastland County: 3 NW Cisco Eastland Morton Valley Ranger Cisco	12	2153CST 2207CST 2221CST 2225CST 2319CST			0	0	?	?	Hail (1.75) Hail (2.75) Hail (2.75) Hail (2.75) Hail (1.75)
Hail was measured up to 8 inches deep just outside of Ranger and up to 3 inches deep in Ranger.									
Callahan County Putnam	12	2315CST			0	0	?	?	Hail (1.75)
Comanche County: Beattie 8 N Comanche	13	0110CST 0115CST			0	0	?	?	Hail (2.50) Hail (1.75)
Coleman County Fisk Knox County 2 N Knox City	13	1210CST 1329CST Short Narrow			0	0	?	?	Hail (1.75) Tornado (F1)
A tornado was observed briefly a couple of miles north of Knox City by city officials.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

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

TEXAS, Northern

San Saba County Richland Springs	13	1352CST			1	0	?	?	Hail (1.75) and Lightning
A 66 year old man was struck and killed by lightning while riding a horse around Richland Springs. Three horses were also killed. M66C									
Palo Pinto County 8 NNE Strawn	13	1412CST			0	0	?	?	Hail (1.00)
Stephens County 33 NW Stephenville	13	1416CST			0	0	?	?	Hail (0.75)
Palo Pinto County 8 NNE Strawn	13	1453CST			0	0	?	?	Hail (1.75)
Palo Pinto County	13	1509CST			0	0	?	?	Hail (0.75)
Wichita County 4 W Valley View	13	1525CST			0	0	?	?	Hail (0.75)
Jack County Sm Jack Co.	13	1530CST			0	0	?	?	Hail (1.00)
Bell County: Killeen	13	1540CST			0	0	?	?	TSTM Wind
Port Hood	13	1540CST			0	0	8	?	TSTM Wind (83)
Strong winds blew down trees and power lines and damaged roofs and outbuildings in Killeen. At Port Hood, the strong winds, estimated at 95 MPH, damaged 200 helicopters, some of which were torn from tie-downs and flipped. Damage could approach \$500 million at Ft. Hood.									
McLennan County 1 W Hewitt	13	1610CST			0	0	?	?	TSTM Wind (52)
Winds gusted to an estimated 60 MPH one mile west of Hewitt.									
Bell County: Stillhouse Lake	13	1610CST			0	0	?	?	TSTM Wind (52)
Belton	13	1610CST			0	0	?	?	TSTM Wind
Salado	13	1615CST			0	0	?	?	TSTM Wind (65)
Belton	13	1615CST			0	0	?	?	Hail (1.75)
Bartlett	13	1620CST			0	0	?	?	TSTM Wind (56)
Temple Muni. Arprt.	13	1623CST			0	0	?	?	TSTM Wind (55)
Strong winds damaged mobile homes, uprooted trees and knocked down power lines around Bell County. The roof was blown off a VFW Post building just south of Belton at 1610CST.									
Jones County: Hodges	13	1720CST			0	0	?	?	Hail (1.75)
2 W Hodges	13	1724CST- 1736CST	1.5	150	0	0	?	?	Tornado (F2)
Noodle	13	1808CST			0	0	?	?	Hail (1.75)
Hodges	13	1817CST			0	0	?	?	Hail (4.50)
Hodges	13	1855CST			0	0	?	?	Hail (1.75)
A tornado was observed for 10 minutes as it moved along a track toward the southwest about 2 miles west of Hodges. The tornado damaged a mobile home as it was developing but moved through mostly open country.									
Fannin County Ector	13	1744CST			0	0	?	?	Hail (0.75)
Sabine County: Pineland	13	1825CST			0	0	?	?	Hail (0.75)
Hemphill	13	2003CST			0	0	?	?	Hail (0.75) and TSTM Wind
Strong winds broke large branches from trees at Hemphill. Some branches fell onto power lines, disrupting electrical service throughout Hemphill.									
Callahan County 2 SE Hamby	13	1827CST	Short Narrow		0	0	0	?	Tornado (F1)
A brief tornado was observed in open country by law enforcement personnel 2 miles southeast of Hamby.									
Taylor County: 3 E Merkel	13	1839CST			0	0	?	?	Hail (1.75)
5 N Abilene	13	1855CST			0	0	?	?	Hail (1.75)
Abilene	13	1857CST			0	0	?	?	Hail (1.50)
Dyess AFB	13	1910CST			0	0	?	?	Hail (1.00)
Abilene	13	1912CST			0	0	?	?	Hail (1.75)
ABI NWS	13	1920CST			0	0	?	?	Hail (1.50)
ABI NWS	13	1940CST			0	0	?	?	Hail (0.75)
Buffalo Gap	13	2010CST			0	0	?	?	Hail (1.75)
Large hail, up to golf ball size, fell across Taylor County. Car windows and roofs were damaged around Merkel and at Buffalo Gap.									
Callahan County: Clyde	13	1953CST			0	0	?	?	Hail (0.75)
2 S Dudley	13	2040CST			0	0	?	?	Hail (1.75)
Coleman County Burkett	13	2100CST			0	0	?	?	Hail (1.75)
Mculloch County Brady	14	2130CST	1.0	100	0	0	?	?	Tornado (F2)
A tornado swept through a residential area of Brady. Ten homes were destroyed, 5 homes received major damage and 34 homes had minor damage. Rainfall during the storm amounted to 5.94 inches in 90 minutes.									

TEXAS, Northern

Rusk County 5 SW Henderson	15	1440CST			0	0	?	?	Hail (1.00)
Van Zandt County: Grand Saline	15	1501CST			0	0	?	?	Hail (0.88)
Grand Saline	15	1530CST			0	0	?	?	Hail (0.75)
Anderson County Frankston	15	1705CST			0	0	?	?	Hail (0.75)
Knox County: Knox City	15	1737CST			0	0	?	?	Hail (2.75)
Benjamin	15	1743CST			0	0	?	?	Hail (0.75)
Truscott	15	1745CST			0	0	?	?	Hail (0.75)
Munday	15	1750CST			0	0	?	?	Hail (1.00) and TSTM Wind
Hail up to baseball size fell at Knox City. Hailstones broke windows at Munday. Strong winds blew down 5 high voltage steel towers near Munday and damaged the roof of the school gym.									
Haskell County 2 W O'Brien	15	1740CST			0	0	?	?	TSTM Wind
Strong winds blew down power lines and took half of the roof off a house near O'Brien.									
Baylor County: 4 W Seymour	15	1903CST			0	0	?	?	Hail (1.75)
3 SE Seymour	15	1910CST			0	0	?	?	TSTM Wind
1 W Westover	15	2050CST			0	0	?	?	Hail (1.75)
Strong winds blew down about 30 utility poles southeast of Seymour. Hail up to golf ball size damaged homes, cars and crops in and around Seymour.									
Bowie County: Bowie Co.	15	2230CST- 2400CST			0	0	?	?	Flash Flooding
1 E DeKalb	15	2238CST			0	0	?	?	TSTM Wind
Heavy rains flooded U.S. Highway 82 in places through Bowie County along with some rural roads. A barn was destroyed by strong winds one mile east of DeKalb.									
Clay County 15 S Henrietta	15	2315CST			0	0	?	?	Hail (1.75)
Montague County 2 W Bowie	15	2320CST			0	0	?	?	Hail (1.00)
Archer, Baylor, Wichita, Young and Montague Counties	15	2345CST- 16 0700CST			0	0	5	?	Flash Flooding
Heavy rainfall of up to four inches produced flooding in Archer, Baylor, Wichita, Young and Montague counties, especially in and around the communities of Olney, Archer City, Iowa Park, Kadane Corner and Seymour. In Baylor County, U.S. Highways 277 and 82 were flooded just west of Seymour and trucks were stranded on State Highway 114 about 12 miles southeast of Seymour. Several homes were evacuated in Seymour. In Montague County, the heavy rain caused Amon Carter Lake to rise 12 feet, flooding homes around the lake and washing out roads.									
Cooke County: Muenster	16	0140CST			0	0	?	?	Hail (1.75)
2 W Gainesville	16	0215CST			0	0	?	?	Hail (2.75)
Montague County Bowie	16	0200CST			0	0	?	?	TSTM Wind
Strong winds destroyed several mobile homes and damaged a motel at Bowie.									
Cooke County	16	0200CST- 0800CST			0	0	7	?	Flash Flooding
Nearly 8 inches of rainfall flooded homes and submerged roads in Cooke County. About 100 people were forced to evacuate their homes in Gainesville and Muenster. The Gainesville Zoo was also flooded. Interstate Highway 35 and U.S. Highway 82 were closed by flooding for 6 hours. Damage was estimated to be between \$15 and \$20 million.									
Grayson County: Sherman	16	0320CST			0	0	?	6	Hail (4.50)
Hove	16	0330CST			0	0	?	?	TSTM Wind (52)
Sherman	16	0400CST			0	0	?	?	Flash Flooding
Hail up to soft ball size broke windows and windshields and severely damaged roofs at Sherman. The wheat crop in the south part of Grayson County was destroyed by the hail. Damage to the wheat crop was estimated at \$2.1 million. Hail piled 4 to 6 inches deep in some places. Some flooding of roads in and around Sherman also occurred as more than 6 inches of rain fell. A bridge was washed away off of U.S. Highway 377 north of Whitesboro.									
Fannin County: Bonham	16	0445CST			0	0	?	?	Hail (4.50)
Bonham	16	0500CST- 0800CST			0	0	?	?	Flash Flooding
Hail as big as soft balls broke skylights, windows and windshields in Bonham. Approximately 85 percent of buildings, homes and cars were damaged by the hail. Hail damage was also reported at Savoy, Ector, Windon, Dodd City and Honey Grove. Rainfall of up to 3.5 inches flooded many streets in Bonham.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Northern									
Lamar County Paris	16	0500CST-0800CST			0	0	?	?	Flash Flooding
		Rainfall of up to 3.5 inches flooded and closed several roads in and around Paris.							
Kaufman County Terrell	16	0620CST			0	0	?	?	TSTM Wind
		Trees were blown down and some roofs were damaged by strong winds at Terrell.							
Bowie County 8 N Maud	16	0642CST			0	0	?	?	TSTM Wind and Hail (1.00)
		Numerous trees were blown down, blocking roadways 8 miles north of Maud.							
Gregg County Longview	16	0715CST			0	0	?	?	TSTM Wind and Hail (0.88)
Harrison County: Harleton	16	0727CST			0	0	?	?	Hail (1.00)
2 SW Karnack	16	0742CST			0	0	?	?	TSTM Wind and Hail (1.00)
5 E Harleton	16	0815CST			0	0	?	?	TSTM Wind and Hail (1.75)
10 SE Marshall	16	0850CST			0	0	?	?	Hail (0.88) and Funnel Cloud
Rusk County: 4 W Henderson	16	0749CST			0	0	?	?	TSTM Wind and Hail (1.00)
Mt. Enterprise	16	0835CST			0	0	?	?	TSTM Wind, Hail (0.88), and Funnel Cloud
Panola County: 2 SW Lake Murvaul Deadwood	16	0803CST			0	0	?	?	Hail (0.88)
	16	0845CST			0	0	?	?	Hail (1.00) and TSTM Wind (56)
2 E Beckville	16	0845CST			0	0	?	?	TSTM Wind and Hail (1.00)
		Trees were blown down by strong winds near Longview, 2 miles southwest of Karnack, 5 miles east of Harleton, 4 miles west of Henderson, 2 miles southwest of Lake Murvaul, and 2 miles east of Beckville. The roofs of 2 homes were blown off by winds at Mt. Enterprise. Also at Mt. Enterprise the roofs of 6 homes were damaged and a mobile home was destroyed.							
Smith County Tyler	16	0815CST			0	0	?	?	TSTM Wind
		Strong winds blew down large tree limbs at Tyler.							
Marion County: 2 S Jefferson	16	0830CST			0	0	?	?	Hail (1.75)
3 S Jefferson	16	0830CST			0	0	?	?	TSTM Wind and Funnel Cloud
5 S Southland	16	0855CST			0	0	?	?	Hail (1.75) and Funnel Cloud
Shelby County: 4 W Center	16	0830CST			0	0	?	?	TSTM Wind and Hail (1.00)
Tenaha	16	0840CST			0	0	?	?	TSTM Wind and Hail (1.75)
Shelbyville	16	0905CST			0	0	?	?	Hail (2.75) and Funnel Cloud
		Trees were blown down 3 miles south of Jefferson and 4 miles west of Center. Trees were blown down and blocked U.S. Highway 84 near Tenaha.							
Bowie, Harrison, Rusk, Panola, Gregg, and Shelby Counties	16	0845CST-1145CST			0	0	?	?	Flash Flooding
		Rainfall of up to 7 inches closed several roads in Northeast Texas.							
San Augustine County 2 NW San Augustine	16	0900CST			0	0	?	?	Funnel Cloud
Shelby County Shelbyville	16	0915CST			0	0	?	?	Hail (1.75)
Gregg County Kilgore	16	0944CST			0	0	?	?	Hail (1.75)
Jones County: 10 NW Abilene	16	1153CST	1.0	100	0	0	?	?	Tornado (F1)
Hawley	16	1212CST			0	0	?	?	Hail (1.75)
Lueders	16	1250CST			0	0	?	?	Hail (2.75)
		A tornado was observed and photographed about 10 miles northwest of Abilene.							
Coleman County 1 S Talpa	16	1254CST	Short	Narrow	0	0	?	?	Tornado (F1)
		A tornado was observed briefly in open country one mile south of Talpa.							
TEXAS, Northern									
Stephens County Hubbard Creek Lake	16	1355CST			0	0	?	?	Hail (0.75)
Callahan County: 2 S Dudley	16	1410CST			0	0	?	?	Hail (0.75)
Cross Plains	16	1445CST			0	0	?	?	Hail (1.75)
Foard County: 5 E Crowell	16	1445CST			0	0	?	?	Hail (1.00)
Thalia	16	1445CST			0	0	?	?	Hail (1.75) and TSTM Wind (61)
Palo Pinto Gordon	16	1515CST			0	0	?	?	Hail (0.75)
Wise County Newark	16	1610CST			0	0	?	?	Hail (0.75)
Dallas County: DFW Airport	16	1615CST			0	0	?	?	Hail (0.75)
2 E DFW Airport	16	1645CST			0	0	?	?	Hail (0.75)
Dallas	16	1652CST			0	0	?	?	Hail (1.00)
Irving	16	1805CST			0	0	?	?	Hail (0.75)
Tarrant County Ft. Worth	16	1620CST			0	0	?	?	Hail (0.75)
Hill County Hillsboro	16	1625CST			0	0	?	?	Hail (0.75)
Hardeman County Quannah Mun. Arprt.	16	1650CST			0	0	?	?	Hail (0.75)
Hood County: Tolar	16	1745CST			0	0	?	?	Hail (1.50) and TSTM Wind (56)
9 SSE Granbury	16	1800CST	0.5	75	0	0	?	?	Tornado (F1)
Granbury	16	1815CST	0.5	75	0	0	5	?	Tornado (F1)
Cresson	16	1825CST			0	0	?	?	TSTM Wind (52)
Hood Co.	16	1830CST-2000CST			0	0	?	?	Flash Flooding
		Strong winds destroyed 3 barns in and near Tolar. A tornado touched down at Mitchell Bend (9 SSE Granbury), destroying one mobile home and damaging 3 other mobile homes. A tornado damaged the roof of the Granbury High School and blew an 8 ton air conditioning unit off the roof. Damage to the school was estimated between \$150 and \$250 million. Several hangars were damaged at the Granbury Airport, a short distance from the high school. Heavy rains which accompanied the storm produced widespread flooding of roads throughout Hood County.							
Johnson County: 5 SE Cresson	16	1825CST			0	0	?	?	TSTM Wind (52)
Cleburne	16	1838CST	2.5	75	0	0	7	?	Tornado (F1) and TSTM Wind
Joshua	16	1844CST			0	0	?	?	TSTM Wind (74)
Burleson	16	1900CST			0	0	?	?	Flash Flooding
Cleburne	16	1900CST-2130CST			1	0	?	?	Flash Flooding
		A tornado and accompanying downbursts produced considerable damage on the north side of Cleburne. The tornado damaged 8 airplanes and 10 buildings at the Cleburne Municipal Airport. A little further to the northeast 8 mobile homes were destroyed and 20 other mobile homes were damaged. Six children and 2 women were rescued from overturned mobile homes. Wind damage occurred throughout the north part of Cleburne, with the roof ripped off of a nursing home. Other wind damage was reported in Johnson County at Grandview, Joshua and Burleson. Meanwhile, heavy rain with amounts ranging up to 8 inches accompanied the storm, flooding many streets in Cleburne and Burleson. A 70 year old man drowned at McNear Creek when his car was swept off a low water bridge around 1900CST. Damage from the storm was estimated at \$30 million. The wind, hail and water damaged 1180 houses, 52 mobile homes, 139 businesses, 12 churches, 6 medical facilities and the high school. M70V							
Parker County Weatherford	16	1830CST			0	0	?	?	TSTM Wind
		Strong winds blew several trees onto power lines.							
Tarrant County Tarrant Co.	16	1830CST-17 0300CST			1	0	?	?	Flash Flooding
		Heavy rains, with amounts to over 8 inches, and unofficial amounts near 13 inches, caused creeks to overflow and flooded streets and homes in Tarrant County. Street flooding was reported in Benbrook, Crowley and White Settlement by 1930CST. In Arlington, 300 homes were damaged by flood waters with an estimated \$9 million in property damage. People were rescued from cars and trees after being swept into swift-flowing water. In Grand Prairie, a 73 year old man drowned trying to cross a low water crossing at Cottonwood Creek and Marshall Road around 0400CST. M73V							
		In Mansfield, 67 homes were flooded, livestock drowned and water mains were broken. In Kennedale, 125 people were evacuated as 56 mobile homes were flooded at the Village Creek and Taylor's Acres Mobile Home Parks.							
Callahan County: 2 S Dudley	16	1835CST			0	0	?	?	Hail (1.75)
Clyde	16	1913CST			0	0	?	?	Hail (0.88)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Northern									
Ellis County: Red Oak Ellis Co.	16	1930CST			0	0	?	?	TSM Wind
	16	2000CST- 2130CST			0	0	?	?	Flash Flooding
	Strong winds blew down trees at Red Oak. Heavy rainfall flooded and closed some streets in both Waxahachie and Red Oak.								
Collin County Collin Co.	16	2005CST- 2400CST			0	0	?	?	Flash Flooding
	Rainfall of up to 6.11 inches closed many roads and washed out culverts throughout Collin County.								
Rains County Enoch	16	2025CST			0	0	?	?	Hail (0.75)
Dallas County Dallas Co.	16	2025CST- 2400CST			1	0	6	?	Flash Flooding
	Rainfall amounts to nearly 9 inches flooded many streets and homes in Dallas County. Thirty-three homes or apartments were flooded in the Pleasant Grove and Oak Cliff sections of Dallas. A 35 year old woman drowned at about 0530CST on the 17th when her car was washed off the road at Five Mile Creek in Oak Cliff. Over two dozen homes were flooded along Woodhaven Drive bordering Ten Mile Creek in Desoto, forcing the evacuation of about 25 people. Fifty homes were damaged by flood waters in Lancaster. Flooding was also reported around Garland, Irving and Duncanville. F55V								
Kaufman County: Terrell Kaufman Co.	16	2030CST			0	0	?	?	TSM Wind
	16	2030CST- 2200CST			0	0	6	?	Flash Flooding
	Strong winds damaged trees near Terrell. Rainfall of up to 7.33 inches was recorded at Terrell. Fourteen homes were flooded in low-lying areas of Kaufman County. Several roads were closed near Terrell and damage occurred to other roads and bridges within the county. Damage was estimated at \$2.1 million.								
Rockwall County Rockwall Co.	16	2030CST- 2200CST			0	0	?	?	Flash Flooding
	Heavy rains forced the evacuation of 2 homes and threatened about 15 other homes around Lake Ray Hubbard.								
Hopkins County Martin Springs	16	2040CST			0	0	?	?	Hail (0.75)
Van Zandt County Van	16	2130CST			0	0	?	?	Hail (1.75)
Smith County 3 N Tyler	16	2153CST			0	0	?	?	Hail (0.75)
Gregg County: Liberty City	16	2235CST			0	0	?	?	TSM Wind
Longview	16	2240CST			0	0	?	?	Hail (1.75)
	16	2250CST			0	0	?	?	Flash Flooding
	Strong winds blew down trees at Liberty City. Heavy rains of about 6 inches pushed Grace Creek out of its banks in Longview, causing some flooding.								
Rusk County Tatum	16	2255CST			0	0	?	?	Hail (0.75)
Cass County Hughes Springs	16	2305CST			0	0	?	?	TSM Wind
Harrison County Harleton	16	2315CST			0	0	?	?	Hail (1.75) and TSM Wind
	Trees were blown down near Hughes Springs and at Harleton.								
Parker County Parker Co.	17	0500CST- 0800CST			0	0	?	?	Flash Flooding
	Numerous roads were closed around Parker County due to high water. There were a few evacuations in the Horseshoe Bend and Rio Brazos areas near the Brazos River.								
Cooke County Gainesville	17	0500CST- 0800CST			0	0	?	?	Flash Flooding
Denton County Nrn. Denton Co.	17	0500CST- 0800CST			0	0	?	?	Flash Flooding
	An additional 3.58 inches of rainfall overnight aggravated the flooding problems around Gainesville. Numerous county roads were closed in northern Denton County.								
McFennan County Waco	17	0500CST- 0900CST			0	0	?	?	Flash Flooding
	Widespread flooding occurred around Waco after 5.56 inches of rain fell. Interstate Highway 35 was flooded and closed as well as many city streets. Water rose into apartments and motels near Baylor University at Interstate 35. Most of the flooding was along Waco Creek. Accumulation of water on roofs caused the roofs of a store and church to collapse. Several cars were swept from roads but no one was injured.								
TEXAS, Northern									
Coryell County: Copperas Cove	17	0600CST- 1200CST			0	0	?	?	Flash Flooding
6 W Ft. Hood AAF 5 W Gray AFB	17	0710CST	Short Narrow		0	0	0	?	Tornado (F1)
	17	0737CST	Short Narrow		0	0	0	?	Tornado (F1)
	Two brief tornadoes were observed in open country by Gray AFB personnel. Several dozen homes were flooded at Copperas Cove.								
Limestone County Limestone Co.	17	0630CST- 1100CST			0	0	?	?	Flash Flooding
	Heavy rains flooded low-lying areas of Limestone County. Streets, businesses, and several homes were flooded in Mexia. Homes were also flooded near Lake Mexia.								
Falls County: Falls Co.	17	0730CST- 1100CST			0	0	6	?	Flash Flooding
Marlin	17	0940CST			0	0	?	?	TSM Wind
	Many roads were flooded around Falls County. Damage to roads and bridges was estimated at \$2.1 million. Strong winds damaged a storage building at the high school in Marlin.								
Anderson County: Montalba	17	0730CST			0	0	?	?	Hail (1.75) TSM Wind
3 S Frankston Bois d' Arc	17	0730CST	Short Narrow		0	0	?	?	Tornado (F1)
	17	0735CST			0	0	?	?	TSM Wind
	Golfball size hail knocked out windshields at Montalba. Strong winds ripped the roof off a house, destroyed a mobile home and damaged another mobile home around Montalba. A brief tornado blew down trees 3 miles south of Frankston. Strong winds blew the roof off a mobile home at Bois d' Arc.								
Navarro County Corsicana	17	0820CST- 1200CST			0	0	7	?	Flash Flooding
	Heavy rains, which brought two-day totals to about 9 inches, caused widespread flooding of low-lying areas in and around Corsicana. Many motorists were stranded and several people evacuated from flooded homes. Thirty-one businesses and 266 homes were flooded in Corsicana, with damage estimated at \$15.5 million.								
Smith County: Teaselville Winona Smith Co.	17	0825CST	Short Narrow		0	0	?	?	Tornado (F1)
	17	0923CST	Short Narrow		0	0	?	?	Tornado (F1)
	17	1000CST- 1700CST			0	0	?	?	Flash Flooding
	A brief tornado damaged a church at Teaselville. Another brief tornado was observed in open country near Winona. Heavy rains throughout the 17th flooded and closed roads throughout Smith County. Several bridges in the county were also washed out.								
Henderson County: 2 S Malakoff Malakoff Henderson Co.	17	0905CST	Short Narrow		0	0	?	?	Tornado (F1)
	17	0905CST			0	0	?	?	TSM Wind (S2)
	17	0930CST- 1200CST			0	0	?	?	Flash Flooding
	A tornado was observed briefly in open country about 2 miles south of Malakoff. Winds of 60 MPH occurred at Malakoff. Rainfall of up to 6.15 inches briefly closed State Highways 198 and 274 around Cedar Creek Reservoir. A tanker truck was washed off Farm Road 3441 near Malakoff.								
Hill and Bosque Counties	17	1000CST- 1300CST			0	0	?	?	Flash Flooding
	Heavy rainfall produced flooding of roads throughout Hill and Bosque counties.								
Upshur County: Glimmer Upshur Co.	17	1000CST			0	0	?	?	TSM Wind
	17	1200CST- 1400CST			0	0	?	?	Flash Flooding
	Strong winds uprooted trees around Glimmer. Heavy rainfall flooded roads and damaged bridges and culverts.								
Wood County Wood Co.	17	1200CST- 1400CST			0	0	?	?	Flash Flooding
	U.S. Highway 80 and Farm Road 14 were closed for a brief time due to flooding from heavy rains.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Northern									
Titus County	17	1200CST-1500CST			0	0	?	?	Flash Flooding
Titus Co.	17	1200CST-1500CST			0	0	?	?	Flash Flooding
Morris County	17	1300CST-1500CST			0	0	?	?	Flash Flooding
Morris Co.	17	1300CST-1500CST			0	0	?	?	Flash Flooding
Bowie County	17	1300CST-1600CST			0	0	?	?	Flash Flooding
Dekalb	17	1300CST-1600CST			0	0	?	?	Flash Flooding
Cass County	17	1430CST			0	0	?	?	TSTM Wind
Cass Co.									
Queen City									
<p>Rainfall of up to 6 inches flooded roads, stranded motorists, damaged streets and bridges, and caused a few mobile homes to be evacuated in Titus County. Roads were flooded and bridges washed out in Morris, Bowie and Cass counties. Strong winds blew down trees around Queen City in Cass County.</p>									
Smith County:									
Omen	17	1555CST	0.5	50	0	0	?	?	Tornado (F1)
Troup	17	1625CST			0	0	?	?	TSTM Wind
<p>A brief tornado damaged 3 houses near Omen. Strong winds destroyed 2 mobile homes and damaged a house at Troup.</p>									
Trinity, Angelina, and Nacogdoches Counties	17	1600CST-1630CST	31	400	0	14	6	?	Tornado (F2)
<p>A tornado developed near Apple Springs in Trinity County and moved northeastward 7 miles across Trinity County. The tornado crossed into Angelina County at a point about 10 miles west-southwest of downtown Lufkin. The tornado continued across Angelina County for 14 miles, passing through or near the communities of Central and Allentown. The tornado crossed into Nacogdoches County about 11 miles southwest of downtown Nacogdoches. The tornado moved into the southeast part of Nacogdoches before dissipating.</p> <p>The tornado destroyed several houses at Apple Springs and Central. Eight homes were destroyed in Allentown, with about 30 homes damaged. The tornado damaged dozens of mobile homes on the southeast side of Nacogdoches. It then moved northeastward up U.S. Highway 59 inside of Loop 224, damaging homes and businesses. Damage was estimated at \$2 million in Nacogdoches County.</p>									
Nacogdoches County	17	1640CST			0	0	?	?	Tornado (F1)
Garrison									
<p>Several mobile homes were destroyed in and near Garrison.</p>									
Shelby County:									
Center	17	1700CST			0	0	?	?	TSTM Wind
Shelby Co.	17	1700CST-2400CST			0	0	?	?	Flash Flooding
<p>Strong winds blew down trees in and around Center and throughout Shelby county. Roads were flooded and culverts washed out around the county, especially at Tenaha, Joaquin and Timpson.</p>									
Rusk County	17	1700CST-2400CST			0	0	?	?	Flash Flooding
Rusk Co.									
<p>Many roads were flooded throughout Rusk County.</p>									
Kaufman County	17	2100CST-2400CST			0	0	?	?	Flash Flooding
NW Kaufman Co.									
<p>A levee broke near Lake Ray Hubbard flooding lowland along Lake Fork Creek south of U.S. Highway 80. A small dam also broke near Farm Road 740 between Farm Road 2757 and Seagoville.</p>									
North Texas	17-19				2	?	?	?	Flooding
<p>The heavy rainfall of the 16th and 17th produced major flooding in North Texas. Lake Benbrook went over the emergency spillway for only the second time in history. Major flooding occurred along the West Fork of the Trinity from Dallas downstream to Lake Livingston. Lake Arlington on Village Creek went over the emergency spillway for the first time ever, producing major flooding downstream to the confluence with the Trinity. The Trinity River at Dallas crested at its 5th highest stage ever. A major flood wave then proceeded downstream. Meanwhile, two teenagers drowned at Lake Lavon when they were swept off a water-covered road they were trying to walk across. M150, M160</p>									
Callahan County:									
5 S Dudley	20	1620CST			0	0	?	?	Hail (1.75)
10 S Clyde	20	1630CST	Short Narrow		0	0	?	?	Tornado (F1)
<p>A tornado was observed in open country 10 miles south of Clyde.</p>									
Taylor County	20	1647CST			0	0	?	?	Hail (2.75)
3 S Leav									
Coleman County:									
2 W Novice	20	1720CST			0	0	?	?	Hail (2.75)
Coleman	20	1805CST			0	0	?	?	Hail (1.75)
Brown County:									
Early	20	1830CST			0	0	?	?	TSTM Wind
May	20	1844CST			0	0	?	?	Hail (1.75)
<p>Strong winds blew over several sheds and outbuildings at Early.</p>									
TEXAS, Southern									
Lamar County	22	0845CST			0	0	?	?	Hail (0.75) and TSTM Wind (61)
Paris									
<p>Strong winds were estimated at 70 MPH at Paris.</p>									
Bowie County	27	0918CST			0	0	?	?	TSTM Wind (50)
New Boston									
<p>Numerous trees were blown down around New Boston, blocking roads.</p>									
41 TEXAS, Southern									
Kerr County	01	0015CST			0	0	?	?	Hail (2.75)
Mountain Home									
<p>Baseball size hail fell just southeast of Mountain Home, with smaller size towards Ingram.</p>									
Kerr County	01	0100CST			0	0	?	?	Hail (1.75)
Kerrville									
<p>One of the worst hailstorms to ever hit Kerrville broke out car windshields and severely dented the tops of many automobiles. The hail broke out skylights and windows of businesses and homes in the area. There was considerable roof damage. Significant damage was done to fruit trees and crops. Hail the size of golfballs covered the ground.</p>									
Montgomery County	03	1030CST			0	0	?	?	Tstm Wind (?)
Lake Conroe									
<p>High winds from a thunderstorm blew cars off of a roadway and did considerable tree damage in the area.</p>									
Harris County	03	1210CST			0	0	0	0	Tstm Wind (52)
Hobby Airport									
Galveston County	03	1250CST			0	0	?	?	Tstm Wind (?)
Keenah									
<p>High winds from a thunderstorm damaged homes and automobiles and downed trees in the Keenah area.</p>									
Chambers County	03	1450CST			0	0	0	0	Hail (0.75)
Winnie									
Madison County	05	0000CST			0	0	0	?	Tstm Wind (?)
countywide									
<p>High winds from a thunderstorm downed many large trees throughout the county.</p>									
Llano County	05	0100CST			0	0	0	?	Hail (1.00)
Tow									
Jasper County	05	0100CST			0	0	?	?	Tstm Wind (?)
countywide									
<p>High winds from a fast-moving line of thunderstorms toppled at least 200 trees. The falling trees did considerable damage to several homes. Power lines and poles were also downed. One house was unroofed from the high winds south of Jasper on Tx.Hwy.96. Other homes were unroofed at Holly Springs. Other wind damage was reported at Buna and Roganville. Large trees were downed south of Kirbyville. At least one mobile home was severely damaged by a falling tree. Many roads were closed for a short time due to fallen trees.</p>									
Tyler County	05	0115CST			0	0	?	?	Tstm Wind (?)
countywide									
<p>High winds from a line of thunderstorms downed many large trees and power lines throughout the county.</p>									
Newton County	05	0130CST			0	0	?	?	Tstm Wind (?)
countywide									
<p>High winds from a line of thunderstorms downed many large trees and power lines throughout the county.</p>									
Hardin County	05	0130CST			0	0	?	?	Tstm Wind (?)
Silsbee									
<p>High winds from a thunderstorm downed many large trees near Honey Island and Silsbee.</p>									
Hays and Travis Counties	05	0355CST			0	0	0	0	Hail (0.75)
<p>Three-quarter inch hail fell along US Hwy.290 bordering the two counties.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Southern									
Hays County San Marcos	05	0400CST			0	0	6	?	Tstm Winds (?) Hail (1.75)
									High winds from a thunderstorm did considerable damage at the San Marcos Airport east of town. About 30 airplanes were damaged. Hail pulverized some of the airplanes, one spokesman said. Windows and skylights of other airport facilities were broken out. Trees were uprooted in the area.
Caldwell County Maxwell	05	0430CST			0	0	?	0	Hail (?)
									Car windshields were broken out by hailstones in the western part of the county.
Wharton County Danevang	05	0700CST			0	0	?	?	Wind (?)
									High winds from a thunderstorm damaged several homes, sheds and automobiles in the Danevang area. Trees and power lines were also downed.
Hays County 4NE San Marcos	05	0722CST			0	0	?	?	Hail (1.50)
Gonzales County Waelder	05	0730CST			0	0	0	0	Hail (1.50)
Val Verde County 27N Del Rio	09	0735CST			0	0	0	0	Hail (0.75)
Val Verde County Castle Canyon	09	0835CST			0	0	0	0	Hail (0.75)
Edwards County Rocksprings	09	1835CST	?	?	0	0	?	?	Tornado (F0)
									A tornado occurred in open country just west of Rocksprings. No damage was reported.
Edwards County 10NE Rocksprings	09	2000CST			0	0	0	0	Hail (1.75)
									Golfball size hail fell near the intersection of US Hwy. 277 and Tx. Hwy. 41.
Zavala County La Pryor	09	2230CST			0	0	4	0	Tstm Wind (?)
									High winds from a thunderstorm blew the roof off of a church building in La Pryor.
Walker County Huntsville	10	0200CST			0	0	0	?	Hail (0.88)
Williamson County 10SE Taylor	10	0300CST			0	0	?	?	Tstm Wind (?)
									High winds from a thunderstorm downed several large trees and a barn near Beyersville.
Hays County San Marcos	10	0400CST			0	0	0	0	Hail (0.75)
Hays County San Marcos	10	0722CST			0	0	0	0	Hail (1.50)
Val Verde County Lake Amistad	12	1130CST			0	0	0	0	Hail (0.75)
Travis County Austin	13	1532CST			0	0	0	0	Hail (1.75)
Travis County Oak Hill	13	1615CST			0	0	0	0	Hail (1.75)
Travis County Lakeway	13	1635CST			0	0	0	0	Hail (1.75)
Milam County Rockdale	13	1710CST			0	0	?	?	Tstm Wind (?)
									High winds from a thunderstorm toppled trees and signs. One mobile home was overturned. One grocery store lost its roof.
Burleson County	13	1730CST			0	0	?	?	Tstm Wind (?)
									High winds from a thunderstorm downed trees and did scattered damage around the county. Two trees fell on homes in Caldwell. A convenience store in Snook had its roof blown off. Barns and trees were blown over in the Somerville area. Many other reports of barns and outbuildings being damaged in the county were received.
TEXAS, Southern									
Bastrop County eastern half	13	1750CST			0	0	?	?	Tstm Wind (?) Hail (2.75)
									High winds from a thunderstorm unroofed at least 6 houses in the McDade area. One mobile home was blown off its foundation. Many trees were uprooted and blown over. Hail fell at Bastrop south-eastward toward Smithville along Tx. Hwy. 71. The hail damaged homes and cars in Bastrop.
Fayette County Winchester	13	1804CST			0	0	0	?	Tstm Wind (?)
									High winds from a thunderstorm downed trees at Winchester.
Travis County SE Manor	13	1825CST			0	0	?	?	Hail (?)
									Large hailstones broke out car windshields 5 miles east of Manor.
Bastrop County	13	1831CST			0	0	?	?	Hail (2.75)
									Hail up to the size of baseballs fell between Bastrop and Smithville.
Fayette County	13	1831CST			0	0	?	?	Hail (2.00)
									Large hail fell over the northwest part of the county. Damage was not reported.
Grimes County	13	1840CST			0	0	0	0	Hail (0.75)
									Three-quarter inch hail fell in the county. Size and location were not specified.
Gonzales County	13	1900CST			0	0	0	0	Hail (2.00)
									Two-inch hail fell in the county. The location was not reported.
Brazos County Bryan	13	1930CST			0	0	?	?	Tstm Wind (?)
									High winds from a thunderstorm did scattered damage in and around the Bryan - College Station area. A few storage sheds were destroyed and trees downed. At least one tree fell onto the porch of a residence.
Walker County	13	1945CST			0	0	0	0	Hail (0.75)
									Three-quarter inch hail at an unspecified location in the county was reported.
San Jacinto County Shepard	13	1945CST			0	0	?	0	Tstm Wind (?)
									High winds from a thunderstorm damaged a home near Shepard.
Uvalde County Uvalde	14	1800CST			0	0	?	?	Tstm Wind (?)
									High winds from a thunderstorm did considerable damage on the south side of Uvalde. A few barns and outbuildings were blown over. A tin roof was blown off of a residence. A camper trailer was destroyed. One pickup truck had a 2X4 board driven into the front of the vehicle.
Val Verde County Del Rio	14	1800CST			0	0	0	0	Hail (0.75)
Maverick County Eagle Pass	14	1815CST			0	0	?	?	Hail (1.75)
Mason County Mason	14	2310CST			0	0	?	?	Tstm Wind (?)
									High winds from a thunderstorm did considerable damage around the town of Mason. Several roofs of homes and one church were damaged. One mobile home was overturned. Roofs of several businesses were damaged. Trees were blown over and one fell on a residence. Windows of residences were broken by flying debris.
Gillespie County Doss	14	2346CST			0	0	?	?	Hail (1.75)
									Hail broke out windows and did scattered damage to crops across the northern part of the county.
Gillespie County Fredericksburg	15	0103CST			0	0	?	?	Hail (1.75)
									Hail damaged roofs, windows, and automobiles. Gardens and orchards were damaged.
Lavaca County Hallettsville	15	0500CST			0	0	?	?	Hail (0.88) Tstm Wind (?) Lightning
									Hail the size of nickels fell at Hallettsville. High winds from a thunderstorm downed trees and damaged homes and barns between Moulton and Hallettsville. One mobile home was demolished and another was blown off of its foundation. Livestock in the area was killed by lightning, according to reports.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— TEXAS, Southern									
Val Verde County Langtry	16	1815CST			0	0	0	0	Hail (1.00)
Galveston County Texas City	16	1815CST			0	0	?	0	Tstm Wind (?) High winds from a thunderstorm destroyed a porch on a home.
Val Verde County 15N Comstock	16	1900CST			0	0	?	0	Hail (1.75)
Val Verde County Comstock	16	2105CST			0	0	0	0	Hail (0.75)
Val Verde County 10NW Del Rio	16	2110 - 2145CST	8.0	200	0	1	6	?	Tornado (F1) A tornado touched down near Amistad Dam at the Air Force Marina and moved east-northeast. It crossed US Hwy. 90 and continued across Lake Amistad, then it crossed US Hwy. 277. At the Marina, the roof was torn off and several boats were sunk. The tornado did damage to a motel along Hwy. 90 and at the Diablo East Marina. The tornado crossed the lake and hit a camping site along US Hwy. 277. One camper was totally destroyed and severe damage was done to two others. One man was injured in one of the campers.
Val Verde County 14NW Del Rio	16	2130CST			0	0	?	0	Hail (2.00) Tstm Winds (52) At Rough Canyon Boat Ramp on Lake Amistad, two-inch hail fell and winds estimated at 60 MPH were observed.
Kinney County 4W Brackettville	16	2251CST			0	0	?	?	Hail (1.75)
Kinney County Brackettville	16	2308 - 2330 CST	20	300	0	0	6	?	Tornado (F4) A tornado touched down just south of Brackettville and moved east for about 5 miles. It crossed US Hwy. 90 and moved northeast for another 8 miles, it then hopped north for another 7 miles, its last reported damage being about 17 miles northeast of Brackettville. The tornado moved across mostly open brush country. Three homes were totally destroyed, and several more severely damaged. Many out-buildings and sheds were destroyed. Ancient oak trees along with hundreds of mesquite trees were either downed or snapped off at their base. Power lines and poles were downed. Barbed wire fences were leveled from the blowing debris and brush. Lots of livestock were killed, including horses and cattle, but mostly sheep and goats. When the tornado moved across US Hwy. 90, about 40 yards of pavement was taken up by the suction of the vortex. The path of the tornado could be seen plainly from the air as it had scarred the countryside. The width of the tornado ranged from 2 tenths of a mile to 9 tenths. Its maximum intensity reached F4. NWS personnel visited the site of the tornado. The citizens and officials of the town of Brackettville considered themselves very fortunate that this tornado just missed their community.
Val Verde County 14NW Juno	16	2324CST			0	0	0	0	Hail (1.00)
Val Verde County 8W Comstock	16	2329CST	?	?	0	0	0	?	Tornado (F1) A tornado was observed to have touched down near the Pecos River railroad bridge. Trees and brush were leveled. It was reported by the Val Verde County Sheriffs Office.
Kinney County near Brackettville	17	0037CST			0	0	0	0	Tstm Winds (?) Very high winds were reported near Brackettville. Damage was not reported.
Kinney County Brackettville	17	0210CST			0	0	0	0	Hail (1.75)
Williamson County Jarrell	17	0302 - 0320CST	3	1700 (.5 mi)	1	28	6	?	Tornado (F3) A tornado hit Jarrell, Texas (population about 700) and did extensive damage. About two-thirds of the town was severely damaged. The tornado first touched down about 3 miles south southwest of Jarrell near the settlement of Strickland Grove and moved north-northeast and paralleled I-35 where it turned over about 18 trucks. Traffic was halted on I-35 and other roads because of all the debris that was scattered by the tornado. The tornado proceeded north and northeast over the town of Jarrell, with most of the damage on the south and east side of the town. There were 35 homes and 12 mobile homes that were either heavily damaged or totally destroyed. 16 business structures were heavily damaged. A 12 unit apartment complex was destroyed. 2 school buildings were destroyed. Numerous trees, signs, power poles and lines were leveled. The debris from the town was scattered northeast over the countryside for about 7 miles. One woman was killed in her mobile home when it was demolished. She was found crushed under the debris and a water bed. There were 28 persons hospitalized with mostly minor injuries. 26 of them were treated and released from nearby hospitals. 2 of the injured who were driving down I-35 had sustained more serious injuries and were retained at a hospital. F42H.
— TEXAS, Southern									
Gillespie County 4N Fredericksburg	17	0330CST	2	100	0	0	0	?	Tornado (F2) A tornado moved across US Hwy. 87, 4 miles north of Fredericksburg. The tornado was moving northeast. The tornado leveled hundreds of trees.
Gillespie County 9N Fredericksburg	17	0430CST			0	0	0	?	Tstm Wind (?) High winds from a thunderstorm uprooted many trees.
Kinney County Brackettville	17	0434CST			0	0	0	?	Hail (1.75)
Travis County Austin	17	0700CST			0	0	?	?	Tstm Wind (?) High winds from a thunderstorm did extensive damage to the roof of a lumber yard on the north side of Austin.
Williamson County Jollyville	17	0745CST			0	0	?	?	Tstm Wind (?) High winds from a thunderstorm did damage to the roofs of three businesses.
Williamson County Round Rock	17	0815CST			0	0	?	?	Tstm Wind (?) High winds from a thunderstorm hit on the northeast and east side of Round Rock. The roof of an elementary school was damaged along with windows. Also there was considerable damage to roofs of homes in the Chandler Creek subdivision close to US Hwy. 79. 5 cars were damaged in the area.
Travis and Hays Counties	17	0830CST			0	0	?	?	Flash Flooding Up to 4 inches of rain fell over a short period of time, produced sharp rises on streams and flooded low water crossings. The flooding in Hays County was restricted to the northern part of the county. Walnut Creek on the north side of Austin rose 12 feet. Headwaters of Onion Creek were flooded; US Hwy. 290 was flooded.
Burnet County countywide	17	0845CST			0	0	0	?	Flash Flooding The Emergency Management Coordinator for the county said heavy rains fell over the county and closed several roads.
Lee County near Lexington	17	1230CST			0	0	?	?	Tstm Wind (?) High winds from a thunderstorm damaged sheds and the roof of a home near Lexington. Many trees were downed.
Nueces County Bishop	17	1700CST			0	0	0	0	Hail (1.75)
Colorado County Weimar	17	1723CST			0	0	0	0	Hail (1.75)
Polk County Seven Oaks	17	1728CST	3	150	0	0	?	?	Tornado (F2) A tornado touched down about 10 miles north of Livingston or just west of Leggett and moved northeast into the Seven Oaks area. In the Leggett area, one trailer home was destroyed and extensive damage was done to the roof and windows of a brick home. 3 automobiles were crushed by fallen trees. 5 barns and outbuildings were destroyed. Lots of mature pine and oak trees were downed one mile west of Leggett on FM Rd. 942. The tornado then moved northeast through pine forest and severely damaged 4-6 frame homes and the roof of a motel in the Seven Oaks community. Power lines and poles were downed and several roads were closed for some time due to fallen trees and debris. One mobile home was blown off its support blocks.
Klberb County 5S Kingsville	17	1745CST			0	0	0	0	Hail (0.75)
Waller County Prairie View	17	1815CST			0	2	?	?	Tstm Wind (?) High winds from a thunderstorm heavily damaged the old city hall building in Prairie View. A video store was moved by the wind and severely damaged. One mobile home was blown over. 2 homes were damaged. Other scattered damage was reported eastward to south of Waller. The Sheriffs Office reported that no one saw a tornado.
Harris County Alief	17	1930CST			0	0	0	0	Tstm Wind (52) High winds from a thunderstorm did tree damage at Alief.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED ¹ DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	

— TEXAS, Southern

Harris County SW Houston	17	2000CST			0	0	0	0			Hail (1.00)
Jasper County Jasper	17	2030CST			0	0	?	?			Tstm Wind (?)
<p>High winds from a thunderstorm toppled large trees just north of Jasper. A barn was severely damaged. Several large trees were uprooted near Lake Sam Rayburn. One of the trees fell on a car.</p>											
Liberty County Dayton	17	2110CST			0	0	?	?			Hail (1.00) Tstm Wind (?)
<p>One-inch hailstones were reported near Dayton. High winds from a thunderstorm damaged several homes west of Dayton.</p>											
Montgomery County southern part	18	0705CST			0	0	0	0			Hail (1.00)
Harris County Houston (Bellair)	18	1315CST			0	0	0	0			Hail (1.50)
Southeast Texas TX2045-046-047-048	18 - 29				3	?	7	?			Serious Flooding
<p>Up to 15 inches of rain fell over portions of the counties listed below and caused some of the worst flooding in recent memory in the area. Serious flooding developed in the drainage areas of the Sabine, Trinity and Neches rivers. Smaller drainage areas such as Cypress, Spring, Peach, and Casey creeks were also flooded from the deluge of torrential rains. Also Greens Bayou and the San Jacinto River had serious overflow. Actually, heavy rains began to fall late on the 17th when 4 to 6 inches fell across Polk, Montgomery, San Jacinto and Walker counties. One of the earlier reports of flooding was at Blanchard in Polk County where 5 inches fell and roads were reported under water late on the 17th. The heavy rains moved south during the night and later affected the remaining counties to the east and south that are mentioned below.</p> <p>There were three fatalities. A 20 month boy drowned just north of Dayton in Liberty County. Also in Liberty County on the 18th, a 42 year old man drowned when he fell into a flooded creek. In Jasper County, a 15 year old boy drowned in Kirbyville.</p> <p>Rainfall reports in the area included: Houston Intercontinental Airport with 10.28 inches which fell in a 24 hour period ending at 2 PM CST on the 18th. 9.89 inches fell at Jefferson County Airport, which was a record for a 24 hour period. 15 inches fell at Spring in northern Harris County. Comroe in Montgomery County had 11 inches. The Woodlands in southern Montgomery County had 13 inches. Liberty in Liberty County reported 14 inches of rain. Luce Bayou area of northeast Harris County had 11 inches. The widespread heavy rains produced such a volume of water that the flood gates on the Toledo Bend Dam had to be opened for the first time. The lake reached an all-time high level of 173.9 feet on Thursday May 19th. It was the worst flooding in eastern part of Montgomery County in 30 years. Flooding persisted in the area for several days and some rivers in southeast Texas did not crest until the 29th.</p> <p>In Hardin County, roughly 113 homes were reported damaged by the flood waters. Damage was estimated at 6 million dollars.</p> <p>In Harris County, between 100 and 200 homes were flooded mainly in the northern and eastern part of the county. In the eastern part of the county there was serious flooding along low lands of the San Jacinto River. Many residents were forced from their homes especially along Banana Bend and the Highland Shores area. In the northeastern part of the county, 100 homes were flooded around Greens Bayou and along the Cypress Creek area. Cypress Creek and Greens Bayou rose more than 20 feet in 24 hours from the heavy rains. In the northern part of the county, 100 homes were flooded in the Inverness Forest subdivision as Cypress Creek spilled out of its banks. Residents in the area said it was the worst flood ever. Many people were rescued by boats from their flooded homes.</p> <p>In Jefferson County, at least 15 homes were flooded in the Bevil Oaks subdivision. Many other homes were flooded in the area. The approximate damage in the county was 2 million dollars.</p> <p>In Liberty County, 730 homes were damaged by flood waters. Persons were evacuated from 400 of those homes. Water flooded 200 mobile homes. 5 houses and 3 mobile homes were totally destroyed by the flood waters. Total damage in the county was estimated at 12 million dollars.</p> <p>In Montgomery County, many communities in the eastern part of the county were isolated and roads were closed because of the high water. Many persons were evacuated from the flood waters.</p> <p>In Newton County, homes were seriously flooded near River Road below Toledo Bend Dam. Many homes in the area were almost submerged in the flood waters. One two-story house almost disappeared from sight. 60 families were evacuated from this area. Farther down the Sabine River the low areas around Deweyville were flooded. One person at Deweyville said it was the worst flooding since 1953. Lots of livestock in the county were drowned by the flood waters. At least 100 goats and 60 cows drowned in Newton County alone. Damage in Newton County was estimated at 6 million dollars.</p>											

— TEXAS, Southern

Hays County San Marcos	20	Late Night			0	0	?	?			Tstm Wind
<p>In Orange County, the flood waters from the Sabine River flooded areas between Mauriceville and the river. The Sabine Sands area was flooded and some persons were evacuated from the area in boats. Parts of Orange were flooded. The Pine Bluff Estates area had serious flooding with water in homes. Damage in the county from the flood waters was estimated at 5 million dollars.</p> <p>In Polk County, 75 to 100 homes were flooded. M20, M150, M420</p> <p>High winds from a thunderstorm blew over some camper tops at a business lot on the north side of San Marcos. Telephone lines and tree limbs were downed.</p>											
41 TEXAS, Western											
Tom Green County	01	0220 CST			0	0	0	0			Hail (0.75)
<p>Dime size hail was reported by the Sheriff's Department 8 miles north of Mathis Field in San Angelo. No damage was reported.</p>											
Reeves County	02	1515 CST									Funnel
<p>The public reported a funnel cloud 3 miles north of Saragossa.</p>											
Nolan County	02	1620 CST 1627 CST			0	0	0	0			Hail (1.75) Hail (0.75)
<p>A Department of Public Safety (DPS) officer encountered hail ranging in size from marbles up to golf balls at Roscoe. Seven minutes later the same officer observed dime size hail at the western city limits of Sweetwater, along Interstate 20.</p>											
Terrell County	02	1730 CST			0	0	0	0			Hail (1.00)
<p>The public reported hail the size of quarters 3 miles west of Sanderson, at the intersection of U. S. Highways 285 and 90.</p>											
Sherman County	03	1730 CST 1810 CST			0	0	0	0			Hail (1.75) Hail (1.75)
<p>The Sheriff's Office reported marble to golf ball size hail at Stratford, in the northwest part of the county. No damage was observed. Forty minutes later, however, a hailstone of the same size broke out the windshield of a police patrol car in town.</p>											
Hartley County	03	1815 CST			0	0	0	0			Hail (1.75)
<p>The Sheriff's Office reported golf ball size hail 2 miles north of Channing, in the southeast corner of the county.</p>											
Potter County	03	1845 CST 1915 CST 1930 CST			0	0	0	0			Hail (0.75) Tstm Wind Tstm Wind
<p>An intense thunderstorm moved across the Amarillo area, bringing dime size hail in northern parts of the county. At 1915 CST a television weathercaster at KAMR-TV relayed a report of roof damage from thunderstorm winds in Amarillo. Fifteen minutes later Skywarn spotters reported tree limbs down in town as well.</p>											
Hartley County	03	1910 CST			0	0	0	0			Hail (0.75)
<p>The Channing Fire Department observed 0.75 inch hail in Channing. No damage was noted.</p>											
Oidham County	03	1935 CST 1953 CST 2003 CST			0	0	0	0			Hail (0.75) Hail (0.75) Hail (0.75)
<p>Skywarn spotters reported 0.75 inch hail at Boy's Ranch, in the northeast part of the county at 1935 CST and again 18 minutes later. A Sheriff's Deputy encountered hail of the same size at 2003 CST one mile west of Adrian, on Interstate 40, in the southern part of the county.</p>											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

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

TEXAS, Western

<p>Potter County:</p> <p>South Amarillo 3 1945 CST 0 0 5 0 Tstm Wind</p> <p>10-12 N Bushland 1948 CST 0 0 0 0 Hail (0.88)</p> <p>10-12 N Bushland 1952 CST 0 0 0 0 Hail (0.88)</p> <p>Far N Amarillo 2002 CST 0 0 0 0 Hail (1.50)</p> <p>10 N Bushland 2005 CST 0 0 0 0 Hail (2.00)</p> <p>1 N Bushland 2015 CST 0 0 0 0 Hail (1.25)</p> <p>South Amarillo 2019 CST 0 0 0 0 Hail (0.88)</p> <p>South Amarillo 2019 CST 0 0 4 0 Tstm Wind</p> <p>Randall County:</p> <p>South Amarillo 1945 CST 0 0 5 0 Tstm Wind</p> <p>South Amarillo 2020 CST 0 0 0 0 Hail (0.88)</p> <p>South Amarillo 2020 CST 0 0 4 0 Tstm Wind</p> <p>near SW Amarillo city limits 2022 CST 0 0 0 0 Hail (1.75)</p> <p>2 W of Canyon 2030 CST 0 0 0 4 Lightning</p> <p>2 W of Canyon 2035 CST 0 0 0 0 Hail (0.75)</p> <p>2 W of Canyon 2050 CST 0 0 0 0 Hail (0.75)</p> <p>A very large severe storm lingered in the Amarillo area for more than an hour, generating large hail and damaging winds. Strong straightline winds tore the roofs off Amarillo houses in both counties at 1945 CST, while nickel size hail fell 10 to 12 miles north of Bushland prior to 2000 CST. By 2005 CST hail had grown to 2 inches in diameter, with golf ball size hail covering the ground, in that same locale. At 2015 CST hail the size of half dollars fell just north of Bushland. Meanwhile, in far west Amarillo, spotters encountered at 2002 CST hail 1.50 inches in diameter. Strong straightline winds that blew down signs accompanied nickel size hail at 2019 CST in southern Potter County and a minute later in northern Randall County, both within the Amarillo city limits. Also at 2020 CST, golf ball size hail pelted southwestern Amarillo in Randall County. Just outside of the southwestern city limits, 1.50 inch hail fell at 2022 CST.</p> <p>Lightning struck west of Canyon at approximately 2030 CST, igniting a grass fire that destroyed two acres of prime feed.</p> <p>In that same area dime size hail was observed at both 2035 CST and 2050 CST.</p>									
Deaf Smith County	03	2110 CST			0	0	0	0	Hail (0.75)
<p>Dime size hail fell at Dawn, in the eastern part of the county.</p>									
Gray County	04	0130 CST			0	0	0	0	Hail (0.88)
<p>The Pampa Police Department reported nickel size hail in the city.</p>									
Wheeler County	04	0230 CST			0	0	0	0	Hail (1.75)
<p>The Shamrock Police Department reported golf ball size hail covering the ground on Interstate 40, five miles west of Shamrock.</p>									
Collingsworth County	04	0300 CST			0	0	0	0	Hail (1.75)
<p>A Deputy Sheriff encountered golf ball size hail at Samnorwood, 15 miles north of Wellington. No damage was reported.</p>									
Dallam County	04	1505 CST 1518 CST			0	0	4	0	Tstm Wind (52) Tstm Wind (62)
<p>The Sheriff's Office reported that a large commercial above-ground sprinkler system was destroyed by winds gusting to 60 mph (52 knots) at Texline, along the New Mexico border. Thirteen minutes later the storm pushed through Dalhart, with a peak gust at the airport measuring 62 knots.</p>									
Moore County	04	1530 CST 1545 CST 1545 CST	1.0 1.0	40 40	0 0 0	0 0 0	0 0 0	0 0 4	Tornado (F0) Tornado (F0) Tstm Wind
<p>A DPS officer reported two small tornadoes 5 miles northwest of Dumas, one at 1530 CST and the other fifteen minutes later. Also at 1545 CST, rear flank downdraft macroburst winds downed numerous trees, power lines and road signs, and roofs were damaged between Dumas and the Hartley County line.</p>									
Hartley County	04	1555 CST			0	0	0	4	Tstm Wind
<p>An employee of the Texas Highway Department reported numerous trees uprooted along U. S. Highway 87 between Hartley and the Moore County line.</p>									
Oldham County	04	1600 CST 1600 CST 1620 CST			0 0	0 0	0 0	0 4	Hail (0.75) Tstm Wind (52) Funnels
<p>The wife of a Sheriff's Deputy observed dime size hail and 60 mph (52 knot) winds that broke tree branches at Boys' Ranch. Twenty minutes later the public reported several funnel clouds in the southeast part of the county.</p>									

TEXAS, Western

Carson County	04	1620 CST 1650 CST 1655 CST			0 0 0	0 0 0	0 0 5	0 0 0	Tstm Wind (87) Tstm Wind (70) Tstm Wind (78)
<p>Thunderstorm winds sustained at between 64 and 75 knots gusted to above 87 knots at the Pantex Plant on U. S. Highway 60, in the southwest corner of the county. No damage was reported at the reinforced facility. The windstorm lasted about 20 minutes. At 1650 CST the storm reached White Deer, where winds gusted to 70 knots. At Groom, in the southeast corner of the county, winds estimated at up to 90 mph (78 knots) heavily damaged 24 mobile homes, destroyed a tractor-trailer rig and knocked down power lines, snapped a 60-foot-tall advertising sign and crushed a commercial truck service station. Damage was well in excess of 100,000 dollars.</p>									
Potter County	04	1635 CST 1640 CST			0 0	0 0	0 5	0 0	Hail (0.88) Tstm Wind (52)
<p>The public reported dime to nickel size hail in several parts of the county, along with winds gusting to 60 mph (52 knots). The powerful windstorm downed a large commercial radio station transmission tower near Lake Meredith, in the northeast part of the county.</p>									
Randall County	04	1640 CST 1658 CST			0 0	0 0	0 4	0 0	Hail (0.75) Tstm Wind (57)
<p>Dime size hail pelted northern parts of the county, south of Bushland. At 1658 CST thunderstorm winds of up to 65 mph (57 knots) overturned several mobile homes 3 miles north of Canyon.</p>									
Gray County	04	1645 CST			0	0	4	0	Tstm Wind (52)
<p>Thunderstorm winds ripped through Pampa and partially unroofed a K-Mart department store. An estimated 300 gallons of rainwater spilled onto merchandise. Roofing material was scattered throughout the parking lot and damaged several vehicles.</p>									
Deaf Smith County	04	1645 CST			0	0	4	5	Tstm Wind
<p>Thunderstorm winds overturned a tractor-trailer rig and derailed ten empty coal cars of a train 2 miles southwest of Dawn, in the eastern part of the county. The DPS Officer reporting the damage also noted extensive tree damage.</p>									
Potter County	04	1700 CST 1705 CST			0 0	0 1	0 5	0 0	Hail (0.75) Tstm Wind
<p>Dime size hail fell 10 miles northwest of Amarillo at 1705 CST. Powerful thunderstorm winds of unknown speed ripped through a mobile home park in the northwest part of the county. Four homes were completely destroyed, 20 severely damaged and 50 extensively damaged. A barn collapsed on a man as well, causing unknown but serious injuries. The windstorm lasted for more than 30 minutes.</p>									
Randall County:									
2 W of Palo Duro Canyon	4	1705 CST 1708 CST	2.0	50	0 0	0 0	0 3	0 0	Tornado (F0) Tstm Wind
2 N of Happy									
Swisher County:									
near Kress		1735 CST			0	0	4	0	Tstm Wind
<p>A fast-moving severe storm generated a brief tornado that was seen by a Skywarn spotter 2 miles west of Palo Duro Canyon. At 1708 CST thunderstorm winds overturned a tractor-trailer rig on Interstate 27 two miles north of Happy. As the storm moved through Swisher County at 1735 CST it snapped power poles near Kress, along the southern edge of the county.</p>									
Armstrong County	04	1715 CST			0	0	5	0	Tstm Wind
<p>The Sheriff's Office reported roofs taken off barns and power lines downed between 6 and 7 miles west of Claude, in the northern part of the county.</p>									
Donley County:									
Clarendon	4	1730 CST 1730 CST			0 0	0 0	0 0	0 4	Hail (0.75) Tstm Wind (52)
Ashtola									
Briscoe County:									
Quitauque		1745 CST 1745 CST			0 0	0 0	0 0	4 0	Tstm Wind (70) Hail (0.75)
Quitauque									
<p>A fast-moving thunderstorm brought dime size hail at Clarendon. At the same time in Ashtola, in the western part of Donley County, 60 mph (52 knot) winds inflicted severe tree damage. Similarly at 1745 CST in Briscoe County, winds gusting up to 70 knots broke large tree limbs and tree tops in Quitauque. Dime size hail fell in conjunction with the wind.</p>									
Hutchinson County	04	1730 CST			0	0	3	0	Tstm Wind
<p>Thunderstorm winds of undetermined speed swept through the county, bringing scattered reports of minor damage. In Fritch at 1730 CST a food store received damage to its roof and awning. About the same time in Borger a tractor-trailer was blown onto its side after being unloaded. A large number of boats were swamped in Lake Meredith, but no injuries were reported.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Western									
Floyd County	04	1750 CST			0	0	0	3	Tstm Wind
									Thunderstorm microburst winds snapped numerous limbs off trees at the Community of South Plains, 12 miles north of Floydada.
Hall County:									
Brice	4	1752 CST			0	0	0	0	Tstm Wind (65)
Memphis		1830 CST			0	0	4	3	Tstm Wind
Wheeler County:									
Shamrock		1830 CST			0	0	0	4	Tstm Wind (52)
									Thunderstorm winds gusting to 65 knots were measured at Brice, in northwestern Hall County. At 1830 CST the storm whipped through Memphis, in the northeast part of the county, breaking large tree limbs and overturning a mobile home. At that same time another storm brought 60 mph (52 knot) winds that inflicted widespread tree damage in Shamrock.
Motley County	04	1805 CST			0	0	3	3	Tstm Wind
									The Floyd County thunderstorm raced through Motley County, breaking tree limbs and loosening tin roofs in Whiteflat.
Childress County	04	1817 CST			0	0	0	0	Hail (0.75)
		1830 CST			0	0	5	0	Tstm Wind (75)
									A powerful and fast-moving thunderstorm roared through the county, bringing dime size hail in Childress at 1817 CST, as observed by the National Severe Storms Laboratory (NSSL) Chase Team. At 1830 CST 75 knot winds were measured at the airport in Childress. About the same time, 1.5 miles of power lines were ripped down in the northeast part of the county along U. S. Highways 62 and 83, according to the power company.
Lubbock County	04	1847 CST			0	0	0	3	High Wind
		1912 CST			0	0	3	0	High Wind
									The City of Lubbock Emergency Operations Center (EOC) reported a large tree blown down at 55th Street and Memphis. The wind was non-convective in origin and was associated with the fast-moving cold front that generated severe thunderstorms well north and northeast of the city. At 1912 CST the same front reached the Posey Community in the southeast part of the county, downing a construction sign.
Stonewall County	04	1920 CST			0	0	0	0	High Wind (52)
		2000 CST			0	0	0	0	Tstm Wind (52)
									The Sheriff reported winds gusting to 60 mph (52 knots) and visibility near zero in blowing dust with the passage of a cold front. Forty minutes later a thunderstorm trailing the strong cold front brought wind gusts to 60 mph (52 knots) and small hail.
Howard County	06	1950 CST			0	0	0	0	Hail (1.75)
									The Sheriff reported golf ball size hail 3 miles south of Big Spring. The hail fell for 12 minutes but inflicted no damage in the undeveloped area.
Ward County	07	1720 CST			0	0	5	0	Tstm Wind (70)
									A microburst from a thunderstorm in Monahans resulted in 70 knot winds that ripped the roof off a downtown business.
Winkler County	10	0325 CST			0	0	0	0	Hail (0.75)
									The Police Department reported 0.75 inch hail in Kermit.
Upton County	10	1820 CST			0	0	0	0	Hail (1.00)
		1820 CST			0	0	0	0	Tstm Wind (52)
									An observer at Midkiff, in the northern part of the county, reported one-inch hail and wind gusts to 60 mph (52 knots).
Reeves County	11	1452 CST			0	0	0	0	Hail (2.75)
		1515 CST			0	0	0	0	Hail (0.88)
									The DPS encountered baseball size hail on State Highway 17, ten miles south of Pecos. The storm producing the hail also possessed high winds of unspecified speed. At 1515 CST radio station KIUV in Pecos reported hail the size of nickels.
Pecos County	11	1556 CST							Funnel
		1606 CST			0	0	0	6	Hail (1.75)
		1606 CST			0	0	0	0	Tstm Wind (52)
		1612 CST	1.0	40	0	0	0	0	Tornado (F1)
		1624 CST	1.5	60	0	0	0	0	Tornado (F1)
									A pair of supercell thunderstorms moved eastward out of Reeves County, bringing severe weather of various forms to much of the county. At 1606 CST the Sheriff's Office reported golf ball size hail and wind gusts to 60 mph (52 knots) at Coyanosa. The hail totally destroyed newly emerging area cotton crops. Six minutes later personnel at the Coyanosa Co-op Gin observed a tornado 3 to 4 miles to their south. At 1624 CST the second supercell, immediately south of the Coyanosa storm, produced a reported tornado 15 miles west of Fort Stockton, 1 mile south of Interstate 10. Neither twister did any discernible damage.
TEXAS, Western									
Ward County	11	1625 CST			0	0	0	0	Tstm Wind (52)
									A Skywarn spotter encountered thunderstorm winds gusting to 60 mph (52 knots) at Grandfalls.
Pecos County	11	1717 CST			0	0	0	5	Hail (2.75)
		1739 CST			0	0	4	0	Hail (1.75)
		1741 CST			0	0	0	0	Hail (1.00)
		1745 CST			0	0	5	5	Flash Flooding
									The supercell thunderstorm that had earlier produced a tornado west of Fort Stockton brought damaging hail and flash flooding to the town. At 1717 CST a Skywarn spotter observed baseball size hail 3 miles south of town. Twenty-two minutes later the same spotter reported golf ball size hail in town, and at 1741 CST radio station KFST registered wind gusts to 60 mph (52 knots) and reported hail the size of quarters. The hail inflicted severe crop damage south and southwest of town, and in Fort Stockton several automobiles, homes and businesses received glass and structural damage.
									Rains of between 4.03 and 7.75 inches in less than two hours resulted in massive urban flash flooding. Water entered homes and businesses and washed away the young crops that were not destroyed by the hail. The flooding was especially devastating in the lower elevations of town, where most were uninsured.
Crane County	11	1730 CST			0	0	0	0	Hail (0.75)
									The supercell that went through Coyanosa, in northern Pecos County, brought dime size hail 3 miles north of the City of Crane.
Midland County	11	1822 CST	0.5	40	0	0	0	0	Tornado (F0)
									A small, brief tornado was observed by the public just off State Highway 349, nine miles south of the City of Midland.
Pecos County	11	1825 CST			0	0	0	0	Hail (1.75)
									The Coyanosa Co-op Gin experienced golf ball size hail. Damage, however, was nil.
Upton County	11	1825 CST			0	0	0	0	Hail (1.00)
		1825 CST			0	0	0	0	Tstm Wind (52)
									A Skywarn spotter reported hail the size of quarters accompanying a thunderstorm that also produced winds of 52 knots as it passed through northern parts of the county along State Highway 349.
Andrews County	11	2135 CST			0	0	0	0	Hail (0.75)
									Skywarn spotters observed 0.75 inch hail that accumulated to a depth of 3 inches at Frankel City, 13 miles west of Andrews.
Hale County	12	1353 CST			0	0	0	0	Hail (1.75)
									The Abernathy Volunteer Fire Department reported hail ranging in size from marbles up to golf balls 8 miles northwest of Petersburg, which is in the southeast corner of the county.
Floyd County	12	1433 CST			0	0	0	0	Hail (1.75)
		1455 CST			0	0	0	0	Hail (1.75)
									The Hale County storm moved into southwestern Floyd County, where it dropped golf ball size hail at Barwick. Skywarn spotters also noted that 22 minutes later hail of the same size fell in Floydada, but according to the Fire Department no appreciable damage was observed.
Hartley County	12	1510 CST			0	0	0	0	Hail (0.88)
									A rainfall observer 4 miles east-southeast of Hartley reported nickel size hail that covered the ground.
Hale County	12	1516 CST			0	0	0	0	Hail (1.75)
									Skywarn spotters encountered golf ball size hail 3 miles west of Petersburg, at the intersection of Farm Road 400 and State Highway 54.
Sherman County	12	Est. 1530 CST							Funnels
									Several funnel clouds were observed 5 miles west of Stratford.
Hartley County	12	1600 CST			0	0	0	0	Hail (1.75)
									The Dalhart Police Department reported golf ball size hail 5 miles south of the Community of Hartley.
Floyd County	12	1630 CST			0	0	0	0	Hail (2.75)
									The Sheriff's Office reported hail the size of baseballs 12 miles north of Floydada on State Highway 207.
Motley County	12	1718 CST			0	0	0	0	Hail (1.75)
									A DPS Officer observed golf ball size hail that covered the ground in an area a half mile wide around the Community of Whiteflat.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

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

TEXAS, Western

Hartley County	12 1726 CST 1735 CST	7.0 200	0 0 0 0	0 0 0 0	Tornado (F2) Hail (1.75)
The Sheriff's Office reported a tornado that touched down at 1726 CST five miles west of Channing. The tornado moved east-southeast for 7 miles, lifting at 1759 CST three miles southeast of Channing. No damage was noted in the open rangeland, even though the storm was large and possessed a significant ground track. Golf ball size hail was observed in conjunction with the parent supercell at 1735 CST, 5 miles southwest of Channing.					
Cottle County	12 1738 CST		0 0	0 0	Hail (1.50)
The Paducah Fire Department observed hail the size of ping pong balls along U. S. Highway 62 at the Dunlap Store in Dunlap, which is 10 miles north of Paducah.					
Oldham County:					
6 N of Boys' Ranch	12 1810 CST		0 0	0 0	Hail (1.75)
Boys' Ranch	1822 CST		0 0	0 0	Hail (1.75)
2 E of Boys' Ranch	1827 CST	2.0 60	0 0	0 0	Tornado (F0)
Boys' Ranch	1845 CST		0 0	0 0	Hail (1.75)
Boys' Ranch	1850 CST		0 0	0 0	Hail (2.75)
Potter County:					
U. S. 87 a mi. N of the Canadian River	1915 CST		0 0	0 0	Hail (1.00)
U. S. 87 a mi. N of the Canadian River	1920 CST		0 0	0 0	Hail (1.50)
The Hartley County cyclic supercell moved southeast into the northeast part of Oldham County, producing golf ball to baseball size hail and another tornado. In Oldham County, the Sheriff's Office reported golf ball size hail along U. S. Highway 385 six miles north of Boys' Ranch at 1810 CST. A spotter observed hail of the same size at Boys' Ranch 12 minutes later. The public observed a tornado 2 miles east of Boys' Ranch at 1827 CST. A spotter encountered golf ball size hail again at 1845 CST at Boys' Ranch, and a film crew from Amarillo television station KAMR observed hail up to baseballs in size there 5 minutes later.					
The storm moved into western Potter County and at 1915 CST generated one-inch hail along U. S. Highway 87 one mile north of the Canadian River. The same spotter that observed the hailfall reported 1.50 inch hail at the same location five minutes later.					
Stonewall County	12 1817 CST		0 0	0 0	Hail (1.75)
Golf ball size hail was reported in Aspermont.					
Cottle County	12 1840 CST		0 0	0 0	Hail (1.75)
The Sheriff's Office reported golf ball size hail along U. S. Highway 83 at the North Fork Pease River Bridge, in the northern part of the county.					
Carson County	12 2043 CST		0 0	0 0	Hail (0.75)
Dime size hail fell in White Deer, according to the Sheriff's Office.					
Tom Green County	13 1140 CST 1150 CST		0 0	0 0	Hail (1.75) Funnel
Numerous citizens reported golf ball size hail from the Grape Creek Community into northern San Angelo. The Sheriff's Office reported a funnel cloud near Burmas Road, in northwest San Angelo.					
Moore County	13 1648 CST		0 0	0 0	Hail (0.88)
The Sheriff's Office reported hail the size of nickels at Dumas.					
King County	13 1801 CST		0 0	0 0	Hail (0.75)
The NSSL Chase Team encountered dime size hail 4.3 miles west of the State Highway 114 intersection with Farm Road 222.					
Hutchinson County	13 1845 CST		0 0	0 0	Hail (1.75)
A fire department official in Phillips reported golf ball size hail. No damage was observed.					
Carson County	13 1915 CST 1935 CST 1935 CST		0 0 0 0	0 0 0 0	Hail (1.75) Hail (2.75) Tstm Wind (52)
A powerful thunderstorm moved through the county, bringing golf ball size hail to Skellytown at 2015 CST, according to the Fire Department. Twenty minutes later hail the size of baseballs pounded White Deer. Spotters also reported wind gusts to 60 mph (52 knots) in conjunction with the large hail at White Deer. Still, no damage was observed.					
Gray County	13 2020 CST		0 0	3 0	Hail (2.75)
A DPS Patrolman reported that his automobile windshield was knocked out 14 miles south of Pampa by baseball size hail.					

TEXAS, Western

Collingsworth County	13 2208 CST		0 0	0 0	Hail (1.75)
The Sheriff's Office reported golf ball size hail at Quail, in the southwest part of the county.					
Sterling and Tom Green Counties	14 1426 CST	6.0 600	0 0	0 0	Tornado (F2)
A large tornado was sighted 9 miles west of Water Valley, in the southeast corner of Sterling County. No damage was reported, although the very large tornado was observed by storm chasers to have been between 0.25 and 0.50 mile wide. The tornado lifted before reaching Water Valley.					
Howard County	14 1434 CST 1442 CST		0 0	0 0	Hail (1.75) Hail (1.75)
A Skywarn spotter observed golf ball size hail on Interstate 20 five miles east of Big Spring. Eight minutes later, hail of the same size fell 10 miles east of the city.					
Midland County	14 1436 CST 1530 CST 1551 CST		0 0 0	0 0 0	Hail (0.75) Hail (0.75) Hail (0.75)
Dime size hail was reported by off-duty National Weather Service (NWS) personnel 11 miles southwest of Midland. Nearly an hour later, another thunderstorm brought 0.75 inch hail in the City of Midland. At 1551 CST the same NWS employee substantiated numerous public reports of 0.75 inch hail in the northern part of Midland. The hail fell for 7 to 8 minutes.					
Howard County	14 1505 CST		0 0	0 0	Hail (0.75)
The Police Department encountered 0.75 inch hail in the western section of Big Spring.					
Tom Green County	14 1540 CST 1555 CST 1555 CST 1609 CST	2.0 100 2.0 100	0 0 0 0	0 4 0 6 4 4	Tornado (F0) Tornado (F1) Hail (2.75) Tstm Wind
A pair of small tornadoes developed from a huge mesocyclone in northern parts of the county. Two NWS research meteorologists observed tornado #1 to be on the ground for 5 minutes, 15 miles north of San Angelo and 4 miles west of State Highway 208. The second tornado, also on the ground for about 5 minutes, was located 14 miles north and 3 miles west of San Angelo, near the Goodyear Proving Grounds. At this location the twister unroofed an unoccupied ranch house.					
In the eastern part of the county, at 1555 CST hail the size of baseballs inflicted severe damage to crops. Accompanied by rains of up to 3 inches and high winds of unknown speed, the hail totally destroyed most emerging cotton. Wheat crops near maturity were a total loss.					
In the Veribest Community a number of houses, barns and storage facilities received severe wind damage as the storm moved through around 1609 CST.					
Concho County	14 Est. 1610 CST		0 2	4 0	Tstm Wind
Two people were injured at Miles, in the northwest corner of the county, when the Tom Green County supercell moved through the area and generated winds that crushed a car wash under which the two had driven their vehicle to seek refuge.					
Dawson County: Lamesa	14 1622 CST		0 0	6 0	Hail (3.00)
Martin County: Flower Grove	1630 CST		0 0	4 0	Hail (2.00)
A supercell moved slowly across the county, pounding the Lamesa area with two- to three-inch hail. The storm left in its wake a path of severe residential, business, and automotive damage. Driven by strong winds 3-inch hail brought damage that was reported from 10 miles northeast of town to 9 miles southeast of town. Severe structural damage was observed at Flower Grove, in the northeast corner of Martin County, where at 1630 CST the elementary school lost its roof and all south windows were broken out by 2-inch hail. The school bus sustained severe damage and the school building air conditioner unit was damaged beyond repair.					
Little if any crop damage was noted, since the cotton had not yet emerged in the area.					
Midland County	14 1630 CST 1630 CST		0 0	0 0	Hail (0.75) Tstm Wind (52)
The thunderstorm in northern parts of the county moved east-southeast and brought dime size hail and wind gusts to 60 mph (52 knots) through the southeast corner of the county, according to Skywarn spotters.					
Glasscock County	14 1632 CST		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 approximately 30 minutes.					

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
TEXAS, Western										
Lynn County: O'Donnell	14	1643 CST			0	0	0	0	Hail (0.75)	
8 E of Tahoka		1646 CST			0	0	4	4	Tstm Wind	
Lubbock County: Slaton		1730 CST			0	0	0	0	Hail (1.50)	
		An intense thunderstorm brought a heavy fall of marble to dime size hail along with high winds to O'Donnell, along the southern Lynn County line, according to police officers. At 1646 CST, a Skywarn spotter reported that thunderstorm winds had downed several large trees and inflicted roof damage 8 miles east of Tahoka on U. S. Highway 380. By 1730 CST the storm moved through southeast Lubbock County and dropped 1.50 inch hail on Slaton.								
Crosby County: Ralls	14	1806 CST			0	0	0	0	Hail (1.75)	
Hale County: 2 SE of Petersburg		1830 CST			0	0	0	0	Hail (1.75)	
Floyd County: 5 E of Petersburg		1835 CST			0	0	0	0	Hail (1.75)	
		The Lynn and Lubbock County thunderstorm moved across western Crosby, southeast Hale, and southwest Floyd counties, producing golf ball size hail at several locations. In Crosby County, the public reported at 1806 CST that golf ball size hail covered the ground in Ralls. Skywarn spotters encountered golf ball size hail 2 miles east of Petersburg (in southeast Hale County) at 1830 CST, then five minutes later and five miles east of Petersburg, in southwest Floyd County, hail of the same size was experienced by the spotters. A rainfall observer in Petersburg noted 0.75 inch hail in town at 1830 CST.								
Concho County	14	1830 CST	0.5	150	0	0	3	3	Tornado (F1)	
		NWS research meteorologists observed a large, intense gustnado 2 miles north-northwest of the Community of Vick, just inside the western edge of the county. Small sheds and outbuildings were damaged.								
Moore County	14	2051 CST			0	0	0	0	Hail (0.88)	
		The Sheriff's Office reported nickel size hail 6 miles north of Dumas.								
Tom Green County	14	2110 CST			0	0	0	0	Tstm Wind (50)	
		An amateur radio operator reported thunderstorm winds gusting to 50 knots in the northern part of San Angelo.								
Sherman County: Texoma	14	2122 CST			0	0	0	0	Hail (1.75)	
Hansford County: 1 W of Phillips Camp (nr. state ln)		2230 CST			0	0	0	0	Hail (2.75)	
1 E of Hitchland		2250 CST			0	0	0	0	Hail (4.50)	
Spearman		2258 CST			0	0	0	0	Hail (4.50)	
		Skywarn spotters observed golf ball size hail at Texoma, along the state line. The same storm generated baseball size hail a mile west of Phillips Camp, along State Highway 136 at the state line in northwest Hansford County, then continued east and brought softball size hail 1 mile east of Hitchland, according to the Sheriff's Office. Meanwhile, another storm built along the southern flank of the Hitchland storm and generated softball size hail at Spearman and an adjacent feed lot. Amazingly, the storms missed the developed areas and resulted in no appreciable damage.								
Tom Green County	14	2135 CST			0	0	0	0	Tstm Wind (59)	
		2144 CST			0	0	0	0	Hail (0.75)	
		2144 CST			0	0	4	4	Hail (1.75)	
		At Mathis Field, wind gusted to 59 knots. At 2144 CST hail the size of golf balls was reported throughout San Angelo, inflicting widespread structural damage to outbuildings and satellite dishes, as well as trees and shrubbery. At the same time 0.75 inch hail was reported at Mathis Field.								
Sterling County	15	1415 CST			0	0	0	0	Hail (1.75)	
		The Sheriff's Office reported golf ball size hail on State Highway 158, eight miles northeast of Sterling City. No damage was noted in the open rangeland.								
Coke County	15	1425 CST	6.0	100	0	0	0	0	Tornado (F1)	
		A cooperative observer located 10 miles northeast of Water Valley reported a tornado to his north. The twister remained on the ground for 20 minutes but did no discernible damage in the open rangeland.								
TEXAS, Western										
Hale County: 1 E Cotton Center	15	1430 CST			0	0	4	5	Hail (1.75)	
Hale Center		1450 CST			0	5	6	6	Hail (1.75)	
Plainview		1456 CST			0	0	5	5	Hail (1.75)	
W side Plainview		1525 CST			0	0	0	0	Hail (1.75)	
Hale and Floyd Counties (both)		1535 CST	5.5	80	0	0	0	0	Tornado (F1)	
		A massive supercell moved across the county, emitting large amounts of marble to golf ball size hail that inflicted severe structural and crop damage. At 1430 CST the Cotton Center Volunteer Fire Department reported golf ball size hail 1 mile east of that community. The storm brought golf ball size hail to Hale Center at 1450 CST, breaking automobile and residential windows, destroying roofs, and obliterating emerging cotton. Hail on Interstate 27 through town was several feet deep in drifts and had to be removed using snow plows. Five people received minor injuries from hail strikes, and one teenager was knocked unconscious by hail.								
		The storm spread large hail up Interstate 27 into Plainview by 1456 CST, denting cars along the highway. Golf ball size hail was also reported in Plainview's western side at 1525 CST. As the storm edged eastward it produced a tornado that touched down just inside the Hale County line, four miles northwest of the Community of Barwise. The twister lifted 4 miles northeast of that Floyd County community, according to Skywarn spotters.								
Dickens County: Spur	15	1550 CST			0	0	0	0	Hail (1.75)	
King County: 4 NW of Guthrie		1605 CST	7.0	90	0	0	4	2	Tornado (F2)	
		The Spur Fire Department reported golf ball size hail and a rotating wall cloud at Spur. The parent storm moved into western King County and produced a tornado. The tornado was observed by the Guthrie Fire Department to touch down 4 miles northwest of Guthrie and lift 2 miles southeast of Dumont, in the northwest corner of the county. Moving through generally open country it only tore up fencing and trees.								
Floyd County	15	1610 CST			0	0	0	5	Hail (1.75)	
		Hail the size of golf balls was observed in the northern part of the county, one mile south of the Community of South Plains. Twenty minutes later hail had piled up to a depth of 3 inches on State Highway 207 at South Plains. While rains associated with the storm were plentiful (4.50 inches at Cedar Hill, in the northeast corner of the county), hail damage to wheat and cotton was severe.								
Coke County	15	1625 CST			0	0	0	0	Hail (1.75)	
		A DPS Officer encountered golf ball size hail that piled up 2 inches deep on State Highway 208 between 6 and 9 miles south of Robert Lee.								
Motley County	15	1700 CST			0	0	0	0	Hail (0.75)	
		The thunderstorm that resulted in large hail in Floyd County moved across northwest Motley County, bringing 0.75 inch hail to the Flomot Community.								
Tom Green and Runnels Counties	15	1708 CST			0	0	0	0	Hail (1.75)	
		A DPS Officer reported golf ball size hail in a path 2 miles wide along U. S. Highway 67 from Harriet, in northeast Tom Green County, to Miles, in southwest Runnels County.								
Tom Green County	15	1720 CST			0	0	0	0	Hail (1.75)	
		An amateur radio operator reported golf ball size hail on the northwest side of San Angelo.								
Gray County: Lefors	15	1744 CST			0	0	0	0	Hail (0.88)	
Wheeler County: Mobeetie		1802 CST			0	0	0	0	Hail (0.88)	
		The Fire Department in Lefors reported nickel size hail in town. Eighteen minutes later the same storm brought nickel size hail to the Mobeetie Community in northwest Wheeler County.								
Roberts County: Miami	15	1800 CST			0	0	0	0	Hail (0.75)	
Hemphill County: Glazier		1845 CST			0	0	0	0	Hail (0.88)	
		The Sheriff's Office reported dime size hail at Miami, in the southeast corner of the county. At 1845 CST hail the size of nickels fell at Glazier, according to the Hemphill County Sheriff's Office.								
Swisher County	15	1828 CST			0	0	0	0	Hail (1.00)	
		The Volunteer Fire Department reported hail the size of quarters at Happy, in the northwest corner of the county.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Western									
Deaf Smith County: 15 NW of Hereford	15	1828 CST	1.0	50	0	0	0	0	Tornado (F0)
Oldham County: 3 S of Vega		1845 CST	4.0	175	0	0	0	0	Tornado (F1)
1 NW Wildorado		2005 CST	1.5	90	0	0	0	0	Tornado (F0)
Deaf Smith and Oldham Counties (both): 5 S of Vega		1851 CST			0	0	0	0	Hail (1.75)
5 S of Vega		1912 CST							Funnels
		A supercell brought several tornadoes and large hail to northern Deaf Smith and southern Oldham counties. At 1828 CST a Sheriff's Deputy observed a tornado 15 miles northwest of Hereford. At 1845 CST a camera crew from Amarillo television station KAMR observed what they described as two tornadoes south of Vega, in Oldham County. They had actually witnessed one multiple vortex twister, 3 miles south of Vega. The cyclic supercell generated a third tornado 1 mile northwest of Wildorado, in the southeast corner of Oldham County. In the meantime it dropped golf ball size hail 5 miles south of Vega, on the Oldham-Deaf Smith county line.							
		A number of funnel clouds were observed at 1912 CST in the same area of both counties.							
Concho County	15	1832 CST	2.0	100	0	0	4	0	Tornado (F1)
		A DPS Officer reported a tornado that struck a ranch house 2 miles southeast of Eola, in the western part of the county. The house received window and roof damage.							
Hale County	15	1842 CST			0	0	4	4	Hail (1.75)
		1842 CST			0	0	4	5	Flash Flooding
		A second round of thunderstorms moved across southern parts of the county and dropped golf ball size hail at Abernathy. A foot of water forced closure of Interstate 27 through Abernathy, where several automobiles were stalled in high water through town.							
Sherman County	15	1846 CST			0	0	0	0	Hail (0.88)
		The Sheriff's Office reported nickel size hail at Stratford.							
Runnels County	15	1855 CST			0	0	0	0	Hail (1.00)
		A cooperative observer 8 miles south-southeast of Ballinger reported 0.75 to 1 inch hail.							
Concho County	15	1955 CST			0	0	0	0	Hail (2.75)
		Baseball size hail struck along U. S. Highway 83 five miles north of Eden, according to a Sheriff's Deputy.							
Floyd County	15	2000 CST	3.0	110	0	0	4	0	Tornado (F1)
		Residents reported that a tornado moved through the Lakeview Community, in the southeast part of the county, tearing shingles from roofs and scattering farm equipment. The tornado came from the southwest and struck the Lakeview Gin. There was no wind or rain prior to the tornado. Outbuildings and equipment were scattered several miles to the northeast.							
Motley County	15	2055 CST			0	0	0	0	Hail (1.75)
		The Matador Fire Department reported golf ball size hail from town to a point 6 miles north of town.							
Tom Green County	15	2110 CST	6.0	100	0	0	5	4	Tornado (F1)
		2110 CST			0	0	0	4	Hail (1.50)
		2130 CST			0	0	0	0	Hail (1.75)
		A powerful thunderstorm generated a tornado and large hail in western San Angelo. At 2110 CST, a tornado touched down 1 mile southwest of the West Texas Boys' Ranch, 15 miles west of Mathis Field. The tornado ripped roofs off of three outbuildings, damaged the roof of the Chapel and Gymnasium and destroyed a billboard on U. S. Highway 67, 2 miles northeast of the campus. Two fiberglass tanks were tossed across the campus, coming to a rest 700 yards from their point of origin. Accompanying hail destroyed several hundred newly planted tomato plants and shattered mesquite trees. The tornado continued several miles to the northeast and ripped through an air park located 8 miles northwest of Mathis Field. The twister destroyed a hangar, broke windows and heavily damaged an aircraft.							
		At 2130 CST golf ball size hail was observed 4 miles north of the air park, along U. S. Highway 87.							
Hansford County	16	1032 CST			0	0	0	0	Hail (1.75)
		1039 CST			0	0	0	0	Hail (1.00)
		The Gruver Police Department reported golf ball size hail in extreme western parts of the county. At 1039 CST hail the size of quarters fell in Gruver.							
TEXAS, Western									
Coke County	16	1145 CST			0	0	0	0	Hail (1.75)
		The Sheriff's Department at Robert Lee reported golf ball size hail 5 miles north of town.							
Ochiltree County	16	1243 CST			0	0	0	0	Hail (0.75)
		Dime size hail fell at Perryton, according to the Police Department.							
Deaf Smith County: 6 SW of Vega	16	1252 CST			0	0	0	0	Hail (2.75)
8 S of Adrian		1317 CST			0	0	0	0	Hail (1.75)
Oldham County: 2 SW of Vega		1310 CST			0	0	0	0	Hail (1.75)
		Baseball size hail was reported by the Sheriff's Office 6 miles southwest of Vega, at the intersection of Farm Road 2587 and State Highway 214 in northern Deaf Smith County. The storm brought golf ball size hail at 1310 CST in southern Oldham County, 2 miles southwest of Vega and again 7 minutes later in northern Deaf Smith County, 8 miles south of Adrian.							
Oldham County: 5 SW of Vega	16	1338 CST							Funnels
5 SW of Vega		1338 CST			0	0	4	0	Hail (1.75)
2 S of Vega		1355 CST			0	0	5	0	Hail (1.75)
3 S of Vega		1355 CST	3.0	80	0	2	5	0	Tornado (F1)
		A large thunderstorm moved east-northeast through the county, resulting in several reported funnel clouds and hail the size of golf balls. Golf ball size hail was reported at 1338 CST from a spotter 5 miles southwest of Vega, at the southern edge of the county. By 1355 CST hail had inflicted severe damage to mobile homes and automobiles along U. S. Highway 385, 2 miles south of Vega.							
		A tornado developed in the extreme southern part of the county, 3 miles south of Vega, at 1355 CST. The twister crossed U. S. Highway 385 at that location, overturning a mobile home and 3 tractor-trailer rigs. At that site a pickup truck was lifted off the ground and tossed around, injuring the driver and his wife.							
Childress County	16	1421 CST			0	0	0	0	Hail (1.75)
		1432 CST			0	0	0	0	Hail (1.50)
		1445 CST			0	0	0	0	Hail (1.75)
		Hail the size of golf balls fell in Childress, according to radio station KCTX. Eleven minutes later a weather observer at the airport reported 1.50 inch hail. The Childress DPS reported golf ball size hail at 1445 CST that was occurring from town northward to the Collingsworth County line.							
Cottle County	16	1510 CST			0	0	0	0	Hail (0.88)
		1515 CST			0	0	0	0	Hail (1.50)
		1530 CST			0	0	0	0	Hail (1.75)
		The Sheriff's Office reported golf ball size hail 3 miles east of Paducah at 1530 CST. Fifteen minutes earlier a University of Oklahoma chase team observed 1.50 inch hail 5 miles south of Paducah. At 1510 CST, hail the size of nickels fell at the same location. At that time at least 0.75 inch hail was observed in Paducah.							
Dickens County	16	1515 CST			0	0	0	0	Hail (1.00)
		A Sheriff's Deputy encountered hail the size of quarters along U. S. Highway 62-82 six miles east of the City of Dickens.							
Collingsworth County	16	1515 CST			0	0	?	0	Hail (1.75)
		1525 CST			0	0	0	0	Hail (2.50)
		1528 CST			0	0	0	0	Hail (2.75)
		1530 CST			0	0	0	0	Hail (1.75)
		A very large thunderstorm generated hail ranging in size from golf balls to baseballs as it rolled across the county. At 1515 CST a DPS Patrolman encountered golf ball size hail in Wellington. The hail inflicted an undetermined amount of damage. Ten minutes later the Sheriff observed tennis ball size hail 4 miles north of Wellington, with no discernible damage inflicted in the undeveloped area. At 1528 CST baseball size hail pummeled Lutie, although no damage was reported, and at 1530 CST a Skywarn spotter in Wellington reported golf ball size hail.							
Potter County	16	1530 CST			0	0	0	0	Hail (1.75)
		The Sheriff's Office reported golf ball size hail at Valle de Oro, just inside the county line on Farm Road 1081—twenty-four miles northwest of Amarillo. Hail accumulated to a depth of 4 inches.							
Cottle County	16	1545 CST			0	0	0	0	Hail (1.75)
		1610 CST			0	0	0	0	Hail (2.75)
		A storm chaser reported golf ball size hail that covered the ground 10 miles east of Paducah. At 1610 CST, the same storm chaser observed baseball size hail on U. S. Highway 70 at the Cottle-Foard county line.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Western									
Oldham County	16	1603 CST			0	0	0	0	Hail (0.75)
		1605 CST			0	0	0	0	Hail (1.75)
		1608 CST			0	0	0	0	Hail (1.75)
Hail the size of dimes was observed at Wildorado, in the southeast corner of the county, by Skywarn spotters. At 1605 CST golf ball size hail fell at the same location. Hail of the same size occurred three minutes later at Adrian, according to another Skywarn spotter.									
Potter County:	16	1603 CST			0	0	0	0	Hail (0.75)
1 W of Bushland		1620 CST	1.5	60	0	0	0	0	Tornado (F0)
3 SW of Bushland		1635 CST	10.0	300	0	0	?	?	Tornado (F2)
1 E of Bushland		1641 CST			0	0	7	5	Hail (2.75)
4 SE Bushland									
Amarillo Int'l. Airport		1645 CST			0	0	4	4	Tstm Wind
12 NW Amarillo		1655 CST	3.0	50	0	0	0	0	Tornado (F0)
Wm. Amarillo		1702 CST	0.1	40	0	0	0	0	Tornado (F0)
SWm. Amarillo		1723 CST	0.2	110	0	0	4	4	Tornado (F1)
Randall County:									
6 SW of Amarillo		1655 CST	1.0	40	0	0	0	0	Tornado (F0)
A very large heavy-precipitation supercell moved across the Amarillo metropolitan area, generating at least 6 tornadoes, along with large and extremely damaging hail and damaging straightline winds.									
The first severe report in Potter County was made by a spotter who encountered 0.75 inch hail 1 mile west of Bushland at 1603 CST. At 1620 CST a small gustnado was observed 3 miles southwest of Bushland. Then at 1635 CST tornado #2 was spotted 2 miles south of Interstate 40, a mile east of Bushland. Storm spotters and research meteorologists observed this tornado at 1641 CST to be 4 miles south of Interstate 40, three miles east of Bushland, embedded in golf ball size hail and moving south-southeast. At 1655 CST a Potter County Sheriff's Deputy observed tornado #3, 12 miles northwest of Amarillo. At the same time, tornado #4 was spotted by a NWS employee 6 miles southwest of Amarillo, in far northwest Randall County. From another wall cloud, tornado #5 touched down in western Amarillo (Potter County) at 1702 CST. The twister lifted without doing substantial damage. However, at 1723 CST a sixth tornado touched down, this one also in southwest Amarillo (Potter County). It was on the ground for one-eighth mile and inflicted roof, tree, and fence damage.									
Meanwhile, the massive parent supercell produced hail ranging in size up to baseballs between 1600 and 1800 CST, resulting in more than 10 million dollars' worth of damage to automobiles, residences, and trees. Most of the damage was in Potter County. Finally, the rear-flank downdraft swept across Amarillo International Airport (Potter County) and inflicted sign, tree, and roof damage to a fast food restaurant at 1645 CST.									
Wheeler County	16	1608 CST			0	0	0	0	Hail (4.50)
The Shamrock Police Department reported softball size hail 4 miles east of Shamrock on Interstate 40. The hail fell briefly and sparsely; no damage was noted.									
Wheeler County	16	1645 CST			0	0	0	0	Hail (1.75)
The Shamrock Police Department reported golf ball size hail three miles east of Wheeler.									
Cottle County	16	1800 CST			0	0	0	0	Hail (0.75)
		1832 CST			0	0	0	0	Flash Flooding
Marble to dime size hail was reported 6 miles west of Paducah. Within a half hour a University of Oklahoma chase team noted flash flooding that covered State Highway 70, 5.4 miles west of Paducah. At 1838 CST urban flooding was observed in the city.									
Culberson County	16	1830 CST			0	0	5	4	Tstm Wind (52)
Dry microburst winds in excess of 60 mph (52 knots) swept through Van Horn, in the southern part of the county. Although there was no thunder or precipitation, a Skywarn spotter noted that the storm had a huge anvil and moved rapidly east. Power lines were downed and trees were uprooted. Power was out to the city for 12 hours.									
Carson County	16	1850 CST			0	0	0	0	Hail (1.75)
The heavy-precipitation supercell that brought severe weather to the Amarillo area moved through Carson County, bringing golf ball size hail to the Community of McBride, in the northwest corner of the county. No significant damage was noted.									
Potter and Randall Counties	16	1920 CST			0	0	4	0	Flash Flooding
The severe thunderstorm that brought large hail, tornadoes and damaging winds to the Amarillo vicinity also created serious flash flooding. Rains exceeded 2 inches in a one-hour period.									
Many Amarillo streets and underpasses were choked with high water and stalled automobiles. Up to 10 inches of water stood in businesses and residences.									
TEXAS, Western									
Carson County	16	1930 CST			0	0	0	0	Hail (0.75)
The Skellytown Fire Department reported dime size hail in Skellytown.									
Midland County	16	1934 CST			0	0	0	0	Hail (0.75)
		1935 CST			0	0	0	0	Hail (1.75)
Howard County		2015 CST			0	0	0	0	Hail (0.75)
		2100 CST			0	0	0	0	Hail (0.75)
A thunderstorm brought dime size hail to western sections of the City of Midland at 1934 CST. A minute later, golf ball size hail was being reported in northern and western sections of town. Within 30 minutes the fast-moving storm moved through southern parts of Howard County and generated dime size hail at Forsan. At 2100 CST another thunderstorm brought dime size hail to Forsan, according to a Skywarn spotter.									
Ochiltree County	16	2001 CST			0	0	0	0	Hail (0.75)
Radio station KEYE reported dime size hail in Perryton.									
Carson County	16	2130 CST			0	0	0	0	Hail (0.75)
		2130 CST			0	0	?	?	Flash Flooding
Dime size hail was reported in Skellytown by the Police Department. Rains totaling 3.50 inches accompanied the hail during a 2-hour period, resulting in widespread flash flooding that inundated streets and highways.									
Andrews County	16	2131 CST			0	0	0	0	Hail (0.75)
Dime size hail fell 10 miles north-northwest of Andrews.									
Stonewall County	16	Est. 2200 CST			0	0	4	0	Tstm Wind (70)
Thunderstorm winds gusting to 70 knots destroyed a storage shed and partially unroofed a restaurant, broke windows and blew an air conditioner unit off a building in Aspermont.									
Fisher County	16	2230 CST			0	0	4	0	Tstm Wind
Thunderstorm winds downed power lines and blew down power poles along State Highway 70 one mile north of Rotan, in the northern part of the county.									
Gaines County	16	2300 CST			0	0	0	0	Hail (1.50)
		2310 CST	2.5	60	0	0	0	0	Tornado (F1)
Hail the size of walnuts was observed at Loop, in the northeast corner of the county. Ten minutes later a spotter reported a tornado 10 miles south-southeast of Seminole, on the trailing edge of the same supercell, in the southern part of the county.									
Lynn County	16	2338 CST			0	0	0	0	Hail (1.75)
A Skywarn spotter encountered golf ball size hail between 2 and 4 miles southwest of Wilson.									
Terry County	17	0005 CST			0	0	0	0	Hail (1.75)
The Brownfield Civil Defense Director reported golf ball size hail across the Communities of Foster and Union, in the southeast part of the county.									
Lynn County	17	0030 CST			0	0	0	0	Hail (2.75)
		0035 CST	0.2	40	0	0	0	0	Tornado (F0)
Skywarn spotters observed a tornado make a brief touchdown 10 miles west of Tahoka. Five minutes earlier, baseball size hail fell five miles south of Tahoka along U. S. Highway 87.									
Bailey County	17	1035 CST			0	0	0	0	Hail (1.75)
A Sheriff's Deputy encountered golf ball size hail 4 miles west of Coyote Creek, 15 miles southwest of Muleshoe. During the next hour the severe storm moved north and brought pea to marble size hail so deep that traffic came to a standstill 12 miles west-northwest of Muleshoe.									
Parmer County	17	1150 CST			0	0	0	0	Hail (1.75)
The Sheriff's Deputy at Lariat, in the southwest corner of the county, reported golf ball size hail.									
Floyd County	17	1325 CST							Funnel
A small funnel cloud appeared briefly near Providence, in the northwest part of the county.									
Parmer County	17	1325 CST			0	0	0	0	Hail (0.75)
The Bovina Police Department reported dime size hail 8 miles east of Bovina.									
Dickens County	17	1452 CST			0	0	0	0	Hail (1.00)
The Spur Volunteer Fire Department reported hail the size of quarters falling 6 miles east of Dickens.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
TEXAS, Western									
Oldham and Randall Counties	17	1455 CST							Funnels
		Numerous funnel clouds were observed near Wildorado, in southeast Oldham County, and near Canyon, in Randall County. These were regarded as "cold air" funnels.							
Randall and Swisher Counties	17	1503 CST			0	0	0	0	Hail (0.75)
		1524 CST			0	0	0	0	Hail (0.75)
		A severe thunderstorm moved across southern Randall and northern Swisher counties. Hail the size of dimes fell at 1503 CST two miles west-southwest of Canyon, according to the Police Department. At 1524 CST the Tullia Police Department reported hail of the same size 2 miles east of Happy, in far northern Swisher County.							
Notley County	17	1532 CST	6.0	100	0	0	0	0	Tornado (F1)
		1532 CST			0	0	0	0	Hail (2.75)
		A tornado was observed by the Matador Volunteer Fire Department to touch down 4 miles north-northeast of the City of Matador. The twister moved north-northeast for 6 miles and lifted over open rangeland. Damage was negligible. Hail the size of golf balls fell 3 miles northwest to 3 miles northeast of town between 1532 CST and 1540 CST.							
Childress County	17	1613 CST	6.0	200	0	0	0	0	Tornado (F1)
		The Notley County cyclic supercell generated a second tornado in Childress County. Tornado number two touched down 6 miles southwest of the City of Childress and remained on the ground for 7 minutes, lifting just southwest of the city.							
Ochiltree County	17	2000 CST			0	0	?	?	Flash Flooding
		Torrential rains left several highways in the county under water. The Sheriff's Office reported U. S. Highway 83 two miles north of Perryton closed, as well as State Highway 15 and Farm Roads 1267 and 377 northeast of Perryton. Flood waters required about 3 hours to recede.							
Concho County	20	1720 CST			0	0	0	0	Hail (2.75)
		A Skywarn spotter observed baseball size hail 3 miles southwest of Eola, in the western part of the county.							
Runnels County	20	1720 CST			0	0	0	0	Hail (2.75)
		Baseball size hail was observed by a DPS Patrolman at the Runnels-Coleman county line on U. S. Highway 67.							
Upton County	26	1950 CST			0	0	0	0	Hail (0.75)
		2045 CST			0	0	0	0	Hail (1.75)
		2110 CST			0	0	0	0	Hail (1.50)
		A severe multicellular thunderstorm dropped 0.75 inch hail at McCamey, according to Skywarn spotters. At 2045 CST, the Sheriff's Office reported golf ball size hail in the City of McCamey. At 2110 CST, walnut size hail was observed by the public 5 miles north of Bakersfield, in the northeast part of Pecos County.							
El Paso County	27	1850 MST			0	0	6	0	Hail (2.00)
		A thunderstorm moved from 3 miles northwest of downtown El Paso northeastward across the Franklin Mountains into northeast El Paso, accompanied by damaging hail. At 1850 MST the hail in northwest parts of town measured 0.75 to 1.00 inch in diameter, but it became progressively larger and was nearly two inches in diameter in the northeast part of town. Most of the damage was in that area, where automobiles and residences sustained severe glass, roof and skylight damage.							
Hutchinson County	29	2230 CST			0	0	0	0	Hail (0.75)
		The Sheriff's Office reported dime size hail in the southern part of the county, between Borger and Fritch.							
Ward County	30	1530 CST			0	0	4	4	Tstm Wind (65)
		Thunderstorm winds gusting to 65 knots downed power lines and uprooted numerous trees in the City of Monahans, according to the Police Department.							
Gaines County	30	1555 CST			0	0	0	0	Tstm Wind (52)
		Thunderstorm winds gusting to 52 knots in the City of Seminole, according to the Sheriff's Department.							
Hale County	30	1600 CST			0	0	?	?	Flash Flooding
		Two inches of rain in an hour resulted in widespread flash flooding across the county. The City of Plainview sustained severe urban flooding, and many rural roadways were closed due to high water from late afternoon until late evening.							
TEXAS, Western									
Midland County	30	2308 CST			0	0	4	4	Tstm Wind (51)
	31	0010 CST			0	0	0	0	Tstm Wind (50)
		Thunderstorm winds that gusted to 51 knots at Midland International Airport downed power lines and uprooted trees in the City of Midland, according to the Police Department. Just over an hour later, at 0010 CST on the 31st, wind gusted to 50 knots at Midland International Airport.							
Hale County	31	1500 CST			0	0	0	0	Hail (1.00)
Lubbock County		1500 CST			0	0	0	0	Hail (1.75)
		A Skywarn spotter encountered one-inch hail at Cotton Center. Another spotter observed golf ball size hail 5 miles northwest of Shallwater on U. S. Highway 84.							
Armstrong County	31	1600 CST			0	0	0	0	Hail (0.75)
		1611 CST			0	0	0	0	Hail (1.00)
		Dime size hail was noted by a Department of Public Safety (DPS) trooper 2 miles east of Washburn, in the northwest corner of the county. Eleven minutes later the same trooper encountered quarter size hail 6 miles west of Claude.							
Randall County	31	1616 CST			0	0	0	0	Hail (1.00)
		The Sheriff's Office reported quarter size hail at the intersection of Interstate 27 and State Highway 217.							
Potter and Randall Counties	31	1720 CST			0	0	0	0	Hail (1.75)
		The public reported golf ball size hail in south Amarillo.							
Potter County:									
Srn Amarillo	31	1722 CST			0	0	?	?	Hail (1.75)
Srn Amarillo		1740 CST			0	0	?	?	Hail (1.00)
Randall County:									
Srn Amarillo		1725 CST			0	0	?	?	Hail (1.75)
		A powerful thunderstorm brought golf ball size hail to southern Potter County at 1722 CST. Three minutes later the Randall County Sheriff's Office observed hail of the same size along Interstate 27 in northern Randall County. At 1740 CST television station KFDA reported hail the size of quarters falling at the station, which is in southern Potter County.							
Armstrong County	31	1741 CST			0	0	0	0	Hail (1.75)
		1741 CST			0	0	?	?	Flash Flooding
		Hail the size of golf balls was reported 1/2 mile west of Claude by a DPS trooper. Several highways in the northern part of the county were reported under water.							
Hale County	31	1930 CST	1.0	30	0	0	0	0	Tornado (F0)
		1940 CST			0	0	0	0	Flash Flooding
		1940 CST			0	0	3	4	Tstm Wind (61)
		A large, slow-moving supercell brought heavy rains that resulted in flash flooding to much of the county. In addition, a tornado was observed by Skywarn spotters just inside the southwestern county line about 8 miles northeast of the Community of Spade.							
		The torrential rains caused serious flooding across the county, closing many roads. Thunderstorm winds gusted to 61 knots in downtown Plainview at 1940 CST, downing numerous trees and fences.							
Castro County	31	2105 CST			0	0	0	0	Hail (1.75)
		The Sheriff's Office reported golf ball size hail at Hart, in the southeast part of the county.							
Crane County	31	2143 CST							Funnel
		The public reported a funnel cloud 15 miles north of Imperial.							
42 UTAH									
Iron County, Cedar City	09	1620MST			0	0	1	0	Thunderstorm Wind (652)
		The Cedar City Airport reported a wind gust to 60 mph during a thunderstorm.							
Salt Lake County, Salt Lake City	11	1600MST			0	0	4	0	Flash Flooding
		Heavy thunderstorm rains filled streets and flooded 12 homes. Several homes suffered as much as \$6000 damage each.							
Davis County, Hill AFB	11	1645MST			0	0	1	0	Tornado (F0)
		A small tornado touched down briefly on a runway at Hill AFB.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
UTAH									
Wayne County, Hanksville	11	unknown			0	0	3	0	Thunderstorm Winds
Thunderstorm wind gusts produced a moderate amount of damage in the town of Hanksville. Trees were blown across power lines, parts of roofs were torn off, and shrubs were uprooted. The damage occurred sometime between 5 and 7 p.m. MDT.									
UTZ003 Wasatch Front	28	1155MST			0	0	1	0	High Wind (G60)
A strong south wind gusted to 69 mph at the Salt Lake International Airport.									
Salt Lake County, Salt Lake City	30	1630MST			0	0	3	0	Lightning
Lightning struck a Salt Lake City home. Damage to the home included burnt and melted aluminum siding, and blown out spot lights, telephone and microwave.									
43 VERMONT									
Windham Co. Brattleboro	21				0	0	3	0	Tstm. Wind
Strong gusty winds uprooted several large trees, bringing them down on three buildings.									
Lamoille Co., Chittenden Co., Windsor Co. and Windham Co.	05 PM-07 AM				0	0	4	?	Flood
Heavy rain resulted in flooding of several small streams and a section of the Lamoille River, in Morrisville. Some minor flooding was also reported along the Winooski River in Chittenden County. The Connecticut River also crested two feet above flood stage at White River Junction. Some flooding was also reported between White River Junction and Brattleboro.									
Bennington Co. Stamford	11	0003EST			0	0	5	?	Mud Slide
Very heavy rains on the 10th saturated the ground around Stamford. The mud slide accumulated debris five feet deep, 1/4 mile wide and 0.10 mile long. About 12 families were stranded as a result of the slide. Two additional slides occurred about a mile up Mill Road, about 1/4 mile from the first slide.									
44 VIRGINIA									
Louisa Co, Louisa	1	1300EST			0	0	?	0	Thunderstorm Winds
Strong winds uprooted about a dozen large trees.									
Middlesex Co, Jamaica area	1	1630EST			0	0	0	0	Waterspout
A waterspout was sighted on the Rappahannock River near Morratico Bar. It lasted approximately 30 seconds.									
VAZ008-009-010-011-012-013-014-015-016 Western Virginia	1-2	All day			0	0	?	?	Heavy Rain
Rain which began on 30 April and continued, heavy at times, into the morning of 2 May caused minor flooding, but enough to close some roads, throughout western Virginia. Rainfalls totaled 1 to 3 inches at most locations with even higher amounts at a few places.									
Lancaster Co, Windmill Point Middlesex Co, Deltaville	2	0315EST			0	3	6	0	Thunderstorm Winds (100kt)
Strong straight-line winds destroyed several storage sheds for large yachts, but did rather minor damage to the boats which they housed. Debris from the sheds was blown in a divergent pattern up to 200 feet down wind. Property damage was about 1 million dollars. Three people suffered minor injuries from flying debris. A boater in the area measured winds at over 100 knots. There were also reports of downed trees in parts of Lancaster and Middlesex counties.									
VIRGINIA									
Northumberland Co, Edwardsville	2	0515EST	5.0	50	0	0	?	?	Tornado (P2)
A tornado touched down briefly in the Edwardsville area and destroyed a well-built two-story house and uprooted several old cedar trees. The tornado touched down intermittently along a 5 mile path extending from near the Springfield Mansion to the Potomac River. It damaged several houses, destroyed three sheds and half a barn, and uprooted some trees. There was spotty wind damage throughout eastern Northumberland County. Classification P2,P2,P1.									
Northumberland Co, Heathsville	2	0520EST	0.5	40	0	0	?	0	Tornado (P1)
A tornado touched down briefly in the vicinity of the Heathsville Airport. Classification P1,P0,P1.									
Henrico Co, Richmond	3	1430EST-1700EST			0	0	?	?	Flood
The James River crested at 15 feet, 3 feet above flood stage at Westham and at 10 feet, 1 foot above flood stage, at City Locks. The flooding was caused mainly by the heavy rains of 1-May.									
Statewide	5-6	All Day			0	0	7	0	Heavy Rain, Thunderstorm Winds
One of the most widespread occurrences of heavy rain and high thunderstorm winds in many years struck Virginia during 5 May with the worst conditions occurring during the evening. Rainfalls of 2 to 4 inches were common with some reports of over 5 inches in Culpeper and Rappahannock counties. High winds accompanied the thunderstorms in many areas. High winds struck many parts of the state again during the afternoon of 6 May as a line of thunderstorms moved through. See the following accounts for more details.									
Buchanan Co, Route 246	5	1900EST			3	0	?	0	Flood
A 6 year old boy and both of his parents drowned when their pickup truck collided with another vehicle and was forced into the rain-swollen Powell River. The bodies were found about 10 miles away in eastern Kentucky. (F30V,M26V,N6V)									
Henry Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Halifax Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Mecklenburg Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Charlotte Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Franklin Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Roanoke Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Bedford Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Botetourt Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Nelson Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Augusta Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Albemarle Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Louisa Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Greene Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Madison Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Orange Co.	5-6	1800EST-0200EST			0	2	?	?	Flash Flooding
Spottsylvania Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Culpeper Co.	5-6	1800EST-0200EST			2	0	?	?	Flash Flooding
Rappahannock Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Fauquier Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Stafford Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Prince William Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Clarke Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
Loudoun Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— VIRGINIA									
Fairfax Co.	5-6	1800EST-0200EST			0	0	?	?	Flash Flooding
		<p>Widespread heavy rains of 2 to 4 inches and even more in some areas fell mostly within a 6 hour period during the evening of 5 May in the piedmont region. Flash flooding of streams, roads, basements, and other areas of poor drainage resulted. Several roads and bridges were washed out. Two small girls, ages 6 months and 3 years, drowned as the family Jeep was swept into raging waters near Culpeper, Culpeper Co. at about 2030EST. The mother tried to save them but she was carried a considerable distance before being caught in overhanging tree branches from which she was eventually rescued. Scores of people were rescued from swollen creeks or flooded roads. A 23 car freight train was derailed in Wingina, Nelson Co. at 2305EST as heavy runoff undermined the tracks. A shopping center in Bedford, Bedford Co. was flooded with up to 30 inches of water. The most severe flooding occurred in Culpeper Co. where rainfall was measured at 5.1 inches at Raccoon Ford. (F3V, F1V)</p>							
Bland Co.	5	1800EST			0	0	?	?	Thunderstorm Winds
		<p>High thunderstorm winds did considerable damage in Bland County and throughout southwestern Virginia.</p>							
Amherst Co.	5	1900EST			0	0	?	?	Thunderstorm Winds
Patrick Co.	5	1925EST			0	0	?	?	Thunderstorm Winds
Bedford Co.	5	2000EST			0	0	?	?	Thunderstorm Winds
Franklin Co.	5	2000EST			0	0	?	?	Thunderstorm Winds
Pittsylvania Co., Sycamore and Motley	5	2005EST			0	0	?	?	Thunderstorm Winds
		<p>Thunderstorm winds uprooted or twisted off several trees and carried a truck camper shell and oil tank 350 feet. A shed was carried 75 yards.</p>							
Greensville Co., Greensville and Emporia	5	2100EST			0	4	?	?	Thunderstorm Winds
		<p>Four were injured when a tree fell on the car which they occupied.</p>							
Louisa Co., 8 SE Gordonsville	5	2100EST	2.0	440	0	0	?	?	Tornado (F1)
		<p>A tornado touched down on a farm in the community of Trevilians and moved north mainly through open fields and wooded areas, but it did about \$25,000 damage to a barn roof. Trees were twisted off and felled at different angles. Some heavy objects were picked up and moved 100 to 200 feet. A swing set anchored in concrete was pulled up, twisted, and blown across a yard. Classification F1, P1, P3.</p>							
Louisa Co., 16 ESE Louisa	5	2155EST	2.0	?	0	0	?	?	Tornado (P1)
		<p>A tornado touched down near the community of Bumpass in eastern Louisa County. The damage path began just south of a farm house on Rte. 701, off Rte. 618. It damaged a house and destroyed several outbuildings, and debris was scattered up to 1/4 mile from its origin. Numerous trees were twisted off and felled at different angles. Classification F1, P1, P2.</p>							
Spottsylvania Co., Spottsylvania and Fredericksburg	5	2221EST			0	3	?	?	Thunderstorm Winds (52kt)
		<p>Thunderstorm winds tossed and destroyed a mobile home in Spottsylvania. Its three occupants were injured by flying debris. This phenomenon could have been related to the tornado that struck the Bumpass area of Louisa County because it was directly northeast of its path.</p>							
— VIRGINIA									
Mecklenburg Co., Mecklenburg Charlotte Co.	5	2245EST			0	0	?	?	Thunderstorm Winds (52kt)
Lunenburg Co.	5	2300EST			0	0	?	?	Thunderstorm Winds (52kt)
Chesterfield Co., Branderhill and Midlothian	5	2245EST			0	0	?	?	Thunderstorm Winds
		<p>Thunderstorm winds felled trees. A large tree fell on and destroyed a house in Midlothian.</p>							
Henrico Co.	5	2300EST			0	0	?	?	Thunderstorm Winds
Chesterfield Co., Snoketree South subdivision	5	2300EST			0	0	?	?	Thunderstorm Winds
		<p>Thunderstorm winds blew a large tree onto a house and demolished it.</p>							
Grayson Co., Carroll Co., Galax	6	1200EST			0	0	?	?	Thunderstorm Winds
	6	1200EST			0	0	?	?	Thunderstorm Winds
		<p>Thunderstorm winds caused some damage in Grayson and Carroll counties. There was also small hail which covered the ground in some areas.</p>							
Floyd Co.	6	1200EST			0	0	?	?	Thunderstorm Winds
		<p>Thunderstorm winds uprooted or bent over many trees. A tin roof was blown 600 feet up a hill. More than a half inch of rain was measured within a few minutes.</p>							
Patrick Co.	6	1220EST			0	0	?	?	Thunderstorm Winds (44kt)
Henry Co.	6	1222EST			0	0	?	?	Thunderstorm Winds (44kt)
		<p>Winds downed trees in Patrick and Henry counties.</p>							
Pittsylvania Co., Danville	6	1300EST			0	0	?	?	Thunderstorm Winds (70kt)
		<p>Thunderstorm winds downed hundreds of trees, some onto houses. One golf course alone had 265 downed trees.</p>							
Montgomery Co., Radford	6	1300EST			0	0	?	?	Thunderstorm Winds
		<p>Thunderstorm winds downed trees.</p>							
Franklin Co., Smith Mountain Lake Rocky Mount	6	1300EST			0	0	?	?	Thunderstorm Winds
		<p>Winds downed trees and damaged buildings. The roof of an airplane hangar south of Rocky Mount was peeled off, and two airplanes were slightly damaged. There was also some hail.</p>							
Roanoke Co.	6	1300EST			0	0	?	?	Thunderstorm Winds
		<p>Thunderstorm winds downed many trees and damaged some buildings.</p>							
Halifax Co.	6	1300EST			0	0	?	?	Thunderstorm Winds
		<p>Thunderstorm winds downed thousands of trees. One of the downed trees was the historic "Constitution Oak" on Main Street in South Boston. Some buildings were also destroyed. Damage was especially heavy in Stovall.</p>							
Pittsylvania Co., Halifax Co.	6	1315EST			0	0	0	?	Hail
	6	1315EST			0	0	0	?	Hail
		<p>Some tobacco beds were destroyed by hail.</p>							
Appomattox Co.	6	1400EST			0	0	?	?	Thunderstorm Winds
Campbell Co.	6	1415EST			0	0	?	?	Thunderstorm Winds
Campbell Co., Lynchburg	6	1415EST			0	0	6	?	Thunderstorm Winds
		<p>Winds downed trees and power lines. A chimney was blown off one house in Lynchburg. Falling trees did at least \$60,000 damage to the historic 18-sided Aviary Building in Lynchburg's Miller Park.</p>							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
— VIRGINIA									
Lunenburg Co.	6	1430EST			0	0	?	?	Thunderstorm Winds
		The Sheriff reported wind damage, downed trees and also some hail.							
Prince Edward Co, Farmville	6	1430EST			0	0	?	?	Thunderstorm Wind (52kt)
		Winds reported at at least 52 knots downed numerous trees. There was also small hail.							
Hottoway Co.	6	1430EST			0	0	?	?	Thunderstorm Winds
		Thunderstorm winds downed many trees, some onto cars and buildings.							
Brunswick Co, Danieltown	6	1440EST			0	0	?	?	Thunderstorm Winds (52kt)
Charlotte Co.	6	1445EST			0	0	?	?	Thunderstorm Winds
Mecklenburg Co.	6	1445EST			0	0	?	?	Thunderstorm Winds (52kt)
		Winds estimated at 52 knots downed numerous trees in Charlotte and Mecklenburg counties. There was also some hail.							
Amelia Co.	6	1450EST			0	0	?	?	Thunderstorm Winds (52kt)
		Winds estimated at at least 52 knots downed some large trees.							
Cumberland Co.	6	1500EST			0	0	?	?	Thunderstorm Winds (52kt)
		Winds estimated at about 52 knots downed some trees.							
Greensville Co, Emporia	6	1500EST			0	0	?	0	Thunderstorm Winds
		Thunderstorm wind damage was reported in the northwest section of Emporia.							
Spottsylvania Co, Fredericksburg	6	1500EST			0	0	?	?	Thunderstorm Winds
		Thunderstorm winds downed many trees.							
Fairfax Co, Herndon	6	1500EST			0	0	?	?	Thunderstorm Winds (52kt)
Fairfax Co, Herndon	6	1500EST			0	0	?	?	Hail (0.75)
Loudoun Co, Sterling Park	6	1503EST			0	0	?	?	Hail (0.75)
		Dime size hail covered the ground.							
Chesterfield Co, Colonial Heights	6	1507EST			0	1	6	?	Thunderstorm Winds (65kt)
		Winds estimated at 52 to 65 knots downed over a thousand trees and damaged about 50 homes, some extensively. There was no evidence of a tornado even though there was a path of damage about 1 mile wide and 5 miles long. Trees were uprooted or broken off, but all fell in the same direction. The storm first began in the southern part of the county at 1507EST then moved northeast to the northeast corner of the county.							
New Kent Co.	6	1520EST			0	0	?	?	Thunderstorm Winds (61kt)
		A microburst with winds estimated at over 61 knots downed numerous trees.							
Chesterfield Co, Colonial Heights	6	1520EST			0	1	6	?	Thunderstorm Wind (65kt)
		Winds estimated at 52 to 65 knots downed over a thousand trees and damaged about 50 homes, some extensively. There was no evidence of a tornado even though there was a path of damage about 1 mile wide and 5 miles long. Trees were uprooted or broken off, but all fell in the same direction. The storm first began in the southern part of the county then moved northeast to the northeast corner.							
Henrico Co, Richmond Byrd Field	6	1523EST			0	0	?	?	Thunderstorm Winds (69kt)
Henrico Co, Eastern part	6	1526EST			0	0	?	?	Thunderstorm Winds (61kt)
		Winds estimated at 61 knots downed many trees. At least 100 trees were downed in Dory Park alone.							
— VIRGINIA									
Dinwiddie Co, Peteraburg	6	1530EST			0	0	?	?	Thunderstorm Winds (52kt)
		Winds estimated at over 52 knots downed some trees and destroyed a barn in which a horse was injured.							
King & Queen Co.	6	1600EST			0	0	?	?	Thunderstorm Winds (52kt)
		Winds estimated at 52 knots downed several trees. Several homes were damaged by falling trees.							
King William Co, Eastern part	6	1600EST			0	0	?	?	Thunderstorm Winds (70kt)
		Thunderstorm winds downed numerous trees. A gust of 70 knots was reported at West Point.							
Essex Co.	6	1600EST			0	0	?	?	Thunderstorm Winds
		Thunderstorm winds downed several trees.							
Chesapeake Co, Money Point	6	1600EST			0	0	?	?	Thunderstorm Winds (70kt)
Matthews Co, Nobjack	6	1630EST			0	0	4	?	Thunderstorm Winds
		Thunderstorm winds downed trees and damaged some homes and cars. There was also an unconfirmed report of a funnel cloud that did not quite touch down.							
Virginia Beach Co, Norfolk	6	1636EST			0	1	?	?	Thunderstorm Winds (51kt)
		Winds downed trees in Norfolk, several onto houses and one car. One person was injured in the car. A gust of 51 knots was measured at the Naval Air Station.							
Spottsylvania Co, Fredericksburg	6	1700EST			0	0	?	?	River Flooding
		The Rappahannock River crested at 20 feet which is 2 feet above flood stage.							
Virginia Beach Co, Virginia Beach	6	1720EST			0	0	?	?	Thunderstorm Winds, Waterspouts,
		A few trees were downed. Pilots at Cape Henry sighted 3 waterspouts just off the beach over the bay and ocean. Police reported a waterspout just off the beach near Rudees Inlet.							
VA2015-016 Southwestern Virginia	7	Morning			0	0	0	0	Snow
		An unusually late spring snowfall covered the ground. A depth of 3 inches was measured at Whitetop in Grayson County.							
Henrico Co, Westham	7	2100EST			0	0	?	?	River Flooding
		The James River crested at 17.66 feet. Flood stage is 9 feet.							
Henrico Co, Richmond	16	0500EST			0	0	0	0	Heavy Rain
		Locally heavy thunderstorm rainfall caused minor street flooding in the Richmond area.							
Prince William Co, Manassas	23	1825EST			0	0	?	?	Thunderstorm Wind
Fairfax Co, Centerville	23	1825EST			0	0	?	?	Hail (0.50)
Fairfax Co.	23	1830EST			0	0	?	?	Heavy Rain
		A thunderstorm dropped 0.5 inch of rain in 15 minutes and caused minor flooding. Rainfall for the whole day was 1.5 inches.							
Virginia Beach Co, Virginia Beach	27	1300EST			0	0	?	?	Thunderstorm Wind (44kt)
		Winds estimated at 44 knots capsized dozens of pleasure craft.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
45 WASHINGTON									
King, Pierce, Yakima, Benton, Franklin, and Walla Walla Counties	17	evening			0	0	4	0	Thunderstorm Wind
Walla Walla County	17	1630 PST			0	1	0	0	Lightning A vigorous Pacific cold frontal system moved across Washington late in the day with gusty winds and scattered thunderstorms. In Walla Walla, lightning struck and seriously injured a 12 year old boy as he and his baseball team were heading for shelter. Wind gusts up to 60 mph caused power outages from central Puget Sound to south-central Washington. In Pasco wind knocked a tree over onto a moving vehicle. No one was injured.
Snohomish and Kitsap Counties	23	1700 PST			0	0	4	0	Lightning An area of thunderstorms formed late in the afternoon over southern and central Puget Sound and moved northward during the evening. Houses in Port Orchard, in Kitsap County, and Mukilteo, in Snohomish County suffered structural and electrical damage from lightning strikes. A few areas had brief power outages and some streets in Everett had minor flooding from brief heavy rain.
46 WEST VIRGINIA ————— NONE REPORTED									
47 WISCONSIN									
Bayfield Co., Bayfield	23	1238CST			0	0	?	?	Hail (1.00)
Ashland Co., Madeline Island	23	1245CST			0	0	?	?	Hail (0.75)
Vilas Co., 10N Woodruff	23	1425CST			0	0	?	?	Hail (1.75)
Boulder Junction	23	1425CST			0	0	?	?	Thunderstorm Wind
Buffalo Co., Buffalo City	23	1525CST			0	0	6	?	Thunderstorm Wind (61)
Cochrane	23	1530CST			0	0	6	?	Hail (1.75)
Trempealeau Co., Arcadia	23	1600CST			0	0	5	?	Hail (1.75)
Omeida Co., 3N Tripoli	23	1610CST			0	0	?	?	Hail (0.75)
Harshaw	23	1610CST			0	0	?	?	Hail (1.75)
5S Rhinelander	23	1642CST			0	0	?	?	Hail (0.75)
Juneau Co., Sprague	23	1730CST			0	0	?	?	Thunderstorm Wind
Pierce Co., Martell	23	1817CST			0	0	?	?	Hail (0.75)
Eau Claire Co., Eau Claire	23	1900CST			0	0	?	?	Hail (1.75)
Dunn Co., 1E Menomonie	23	2045CST			0	0	5	?	Hail (1.75)
Chippewa Co., 6W Chippewa Falls	23	2125CST			0	0	?	?	Hail (1.75)
Lake Hallie	23	2130CST			0	0	?	?	Hail (1.75)
Scattered severe thunderstorms deposited hail and uprooted trees over several areas of northern and western Wisconsin. Hard hit were the Buffalo-Cochrane area where around \$1 million in damage occurred and near Menomonie in Dunn County where \$300,000 in damage was noted. Damage from the thunderstorms included windows and roofs, with hail damage to house siding and numerous cars and trucks. Severe thunderstorm winds picked up a houseboat from the backwaters of the Mississippi River and dropped it on a highway near Buffalo City.									
Jackson Co., 1E Taylor	24	1625CST			0	0	?	0	Thunderstorm Wind
Wood Co., Babcock	24	1700CST			0	0	?	0	Thunderstorm Wind (56)
Wisconsin Rapids	24	1725CST			0	0	3	?	Thunderstorm Wind
Vesper	24	1730CST			0	0	?	?	Hail (1.75)
Adams Co., Monroe Center	24	1725CST			0	0	?	?	Thunderstorm Wind
SW Adams	24	1730CST	0.5	50	0	0	4	0	Tornado (F0)
Portage Co., Plover	24	1750CST			0	0	?	?	Thunderstorm Wind
WISCONSIN									
Waushara Co., Plainfield	24	1810CST			0	0	?	0	Thunderstorm Wind (61)
Coloma	24	1815CST			0	0	4	0	Thunderstorm Wind
Wautoma	24	1820CST			0	0	4	0	Thunderstorm Wind
Wild Rose	24	1825CST			0	0	5	0	Thunderstorm Wind
Green Lake Co., 4W Berlin	24	1830CST	0.1	25	0	0	0	0	Tornado (F0)
Waupaca Co., Clintonville	24	1900CST			0	0	4	0	Thunderstorm Wind
Chippewa Co., 2N Chippewa Falls	24	1906CST			0	0	5	5	Thunderstorm Wind
4NW Stanley	24	1930CST	0.1	50	0	0	4	0	Tornado (F0)
Columbia Co., Portage	24	1929CST			0	0	?	0	Thunderstorm Wind (52)
Fond du Lac Co., 2S Ripon	24	1935CST			0	0	3	0	Thunderstorm Wind (62)
1NE Rosendale	24	1955CST			0	0	5	0	Thunderstorm Wind
Marathon Co., 2E Abbottsford	24	2005CST			0	0	?	0	Thunderstorm Wind
Wausau	24	2045CST			0	0	?	0	Thunderstorm Wind
Winnebago Co., 3S Oshkosh	24	2010-2015CST	1.2	50	0	0	5	?	Tornado (F1)
Monroe Co., 3W Cashton	24	2020-2035CST			0	0	5	?	Thunderstorm Wind
Portage Co., Stockton	24	2030CST			0	0	4	0	Thunderstorm Wind
Amherst Junction	24	2045CST			0	0	4	0	Thunderstorm Wind
Grant Co., Mount Hope	24	2045CST			0	0	4	0	Thunderstorm Wind
Fennimore	24	2055CST			0	0	5	0	Thunderstorm Wind
Calumet Co., 1N Quinney	24	2055CST			0	0	5	?	Thunderstorm Wind
4NW Chilton	24	2105CST	0.3	50	0	0	5	?	Tornado (F1)
Richland Co., Bear Valley	24	2100CST			0	0	3	0	Thunderstorm Wind
Shawano Co., Tigerton	24	2105CST			0	0	3	0	Thunderstorm Wind
Waupaca Co., Waupaca	24	2112CST			0	0	3	0	Thunderstorm Wind (52)
Manitowoc Co., 1E Cooperstown	24	2115CST	0.2	50	0	0	4	0	Tornado (F0)
Mishicot	24	2122CST			0	0	4	0	Thunderstorm Wind
Two Rivers	24	2130CST			0	0	4	0	Thunderstorm Wind
Kiel	24	2145CST			0	0	4	?	Hail (1.75)
Kiel	24	2205CST			0	0	4	0	Thunderstorm Wind
Kellnersville	24	2150CST			0	0	5	0	Thunderstorm Wind
Tisch Mills	24	2200CST			0	0	5	0	Thunderstorm Wind
Fond du Lac Co., 1/2NE Mt. Calvary	24	2125CST	0.2	50	0	0	4	?	Tornado (F0)
Outagamie Co., Appleton	24	2130CST			0	0	5	?	Thunderstorm Wind (76)
Stephensville	24	2130CST			1	5	5	?	Thunderstorm Wind
Seymour	24	2135CST			0	0	4	?	Thunderstorm Wind
Columbia Co., 1N Portage	24	2130CST			0	1	?	?	Thunderstorm Wind
Cambria	24	2150CST			0	0	?	?	Thunderstorm Wind
Lodi	24	2150CST			0	0	4	?	Thunderstorm Wind
Columbus	24	2200CST			0	0	?	?	Thunderstorm Wind
Brown Co., Green Bay	24	2137CST			0	0	6	?	Thunderstorm Wind (76)
Wrightstown	24	2142CST			0	0	4	?	Thunderstorm Wind
Greenleaf	24	2145CST			0	0	5	?	Thunderstorm Wind
New Franken	24	2150CST			0	0	5	?	Thunderstorm Wind

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

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

WISCONSIN											
Iowa Co., Ze Dodgeville	24	2140CST			0	0	5	0	Thunderstorm Wind		
Sauk Co., Baraboo	24	2150CST			0	0	4	0	Thunderstorm Wind		
Dane Co., Black Earth	24	2150CST			0	0	4	?	Thunderstorm Wind		
1N Waunakee	24	2158CST			0	0	5	?	Thunderstorm Wind		
Sun Prairie	24	2155CST			0	0	?	?	Hail (0.75)		
Sun Prairie	24	2155CST			0	0	3	?	Thunderstorm Wind (57)		
Kewaunee Co., Luxenburg	24	2150CST			0	0	5	0	Thunderstorm Wind		
Calumet Co., 1W New Holstein	24	2150CST			0	0	5	0	Thunderstorm Wind		
Sheboygan Co., Rhine Center	24	2205CST			0	0	4	?	Thunderstorm Wind		
Dodge Co., 6N Beaver Dam	24	2210CST	1.5	75	0	0	5	?	Tornado (F1)		
JNE Mayville	24	2225CST	2.2	75	0	0	5	?	Tornado (F1)		
Lowell	24	2220CST			0	0	5	0	Thunderstorm Wind		
Lebanon	24	2225CST			0	0	4	?	Thunderstorm Wind		
Fond du Lac Co., Campbellsport	24	2225CST			0	0	?	0	Hail (1.75)		
Washington Co., Richfield	24	2240CST			0	0	4	?	Thunderstorm Wind (56)		
Wayne	24	2240CST			0	0	5	?	Thunderstorm Wind		
Allenton	24	2245CST			0	0	4	?	Thunderstorm Wind		
West Bend	24	2250CST			0	0	5	?	Thunderstorm Wind		
Jefferson Co., Ixonia	24	2243CST			0	0	?	?	Thunderstorm Wind		
Milwaukee Co., NW Milwaukee	24	2310CST	0.1	25	0	0	5	?	Tornado (F0)		
Milwaukee	24	2320CST			0	0	5	0	Thunderstorm Wind		
Waukesha Co., Menomonee Falls	24	2335CST			0	0	5	?	Thunderstorm Wind		
Kenosha Co., Paddock Lake	25	0010CST			0	0	4	?	Thunderstorm Wind		
<p>A pair of squall lines containing numerous severe thunderstorms swept across the Badger State within hours of each other, causing widespread property damage and producing 10 tornadoes. Total property damage amounted to over \$14 million with the hardest hit counties being Outagamie (\$5 million), Brown (\$3 million), Manitowoc (\$2 million), and Milwaukee (\$1 million). Brown County reported 404 buildings damaged or destroyed, and Manitowoc County 114 buildings. Powerful severe thunderstorm winds gusting at times to 88 mph demolished a mobile home near Stephenville in Outagamie County, killing a woman and injuring 5 in her family. A man was injured north of Portage in Columbia County when a violent severe thunderstorm wind sent a tree crashing onto the car he was driving. Countless trees and power lines were snapped or downed by the storms. Hundreds of barns, sheds, and outbuildings were damaged or destroyed throughout the state. In addition, large hail damaged a huge number of cars and trucks at several auto dealers. There was also widespread crop damage and dozens of livestock were killed. (F32M)</p>											
Crawford Co., Prairie du Chien	29	1325CST			0	0	?	?	Hail (2.00)		
Wauzeka	29	1340CST			0	0	?	?	Hail (2.00)		
St. Croix Co., New Richmond	29	1359CST			0	0	?	?	Thunderstorm Wind		
Pierce Co., Ellsworth	29	1357CST			0	0	?	?	Hail (0.75)		
Prescott	29	1400CST			0	0	?	?	Hail (0.75)		
Barron Co., Rice Lake	29	1414CST			0	0	?	?	Thunderstorm Wind		
Clark Co., Willard	29	1508CST			0	0	?	?	Hail (1.50)		
Marathon Co., Rib Mountain	29	1530CST			0	2	0	0	Lightning		
Wood Co., SW Wisconsin Rapids	29	1550CST			0	0	?	?	Hail (1.75)		
Columbia Co., Pardeeville	29	1710CST			0	0	?	?	Thunderstorm Wind		

WISCONSIN											
Winnebago Co., Oiro	29	1715CST			0	0	?	?	Thunderstorm Wind (52)		
Fond du Lac Co., Rosendale	29	1730CST			0	0	?	?	Thunderstorm Wind (52)		
Dodge Co., Beaver Dam	29	1745CST			0	0	?	?	Thunderstorm Wind		
Buffalo Co., Mondovi	29	1915CST			0	0	?	?	Hail (0.75)		
Alma	29	2208CST			0	0	?	?	Hail (0.75)		
Sheboygan Co., SWSW Plymouth	29	2210CST			0	0	5	?	Lightning		
<p>Scattered severe thunderstorms deposited hail up to 2 inches in diameter and generated wind gusts to 60 mph across the southern half of the state. Lightning struck and injured a man and a woman near Rib Mountain as they were working in a garden. Lightning also caused a \$350,000 barn fire near Plymouth.</p>											
Shawano Co., Bowler	30	0935CST			0	0	?	?	Hail (1.75)		
Crawford Co., Prairie du Chien	30	1037CST			0	0	?	?	Hail (2.00)		
Fond du Lac Co., North Fond du Lac	30	1150-1700CST			0	0	5	?	Flash Flood		
Richland Co., Richland Center	30	1217CST			0	0	?	?	Hail (1.00)		
Dodge Co., Beaver Dam	30	1415CST			0	0	?	?	Hail (1.00)		
Eau Claire Co., Eau Claire	30	1451CST			0	0	?	?	Hail (0.75)		
Ozaukee Co., Newburg	30	1612CST			0	0	?	?	Hail (0.75)		
<p>Hail up to 2 inches in diameter was reported from severe thunderstorms over southwest and southeast Wisconsin. Intense rainfall of 4 to 7 inches fell over portions of Fond du Lac County and caused flooding to 75% of the 1400 homes in the city of North Fond du Lac. In addition several roads and highways were flooded and a great deal of soil erosion took place.</p>											
48 WYOMING											
SWEETWATER COUNTY	10	1230MST			0	0	0	0	THUNDERSTORM WIND(50)		
ROCK SPRINGS											
WASHAKIE COUNTY	10	1330MST			0	0	0	0	THUNDERSTORM WIND(51)		
WORLAND											
SWEETWATER COUNTY	10	1410MST			0	0	0	0	THUNDERSTORM WIND(50)		
RAWLINS											
<p>ON THE EARLY AFTERNOON OF THE 10TH, THUNDERSTORMS PRODUCED STRONG WINDS FROM SOUTHWEST WYOMING INTO NORTH-CENTRAL WYOMING. AT 1230 MST, A WIND GUST OF 58 MPH WAS RECORDED AT THE ROCK SPRINGS AIRPORT. LATER, THE AIRPORTS AT WORLAND AND RAWLINS LOGGED THUNDERSTORM WIND GUSTS OF 59 MPH AND 58 MPH, RESPECTIVELY.</p>											
LARAMIE COUNTY	11	1458MST			0	0	0	0	HAIL (0.75)		
BURNS											
GOSHEN COUNTY	11	1530MST			0	0	3	0	THUNDERSTORM WIND(61)		
SS TORRINGTON											
CAMPBELL COUNTY	11	1605MST			0	0	0	0	THUNDERSTORM WIND(62)		
GILLETTE											
LARAMIE COUNTY	11	1635MST			0	0	0	0	HAIL (0.75)		
ALBIN											
LARAMIE COUNTY	11	1640MST			0	0	0	0	HAIL (0.75)		
PINE BLUFFS											
GOSHEN COUNTY	11	1642MST			0	0	2	0	THUNDERSTORM WIND(50)		
3S LA GRANGE											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED* DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
WYOMING									
			<p>DURING THE AFTERNOON OF THE 11TH, SEVERE THUNDERSTORMS PRODUCED STRONG WINDS AND HAIL ACROSS THE EXTREME EASTERN PART OF THE COWBOY STATE. DIME SIZE HAIL OCCURRED AT BURNS, ALBIN AND PINE BLUFFS. AT 1530 MST, THUNDERSTORM WINDS GUSTING TO 70 MPH OCCURRED 5 MILES SOUTH OF TORRINGTON. THESE WINDS DESTROYED A 48x60 FOOT TIN SHED. STRONG WINDS FROM THUNDERSTORMS WERE CLOCKED TO 71 MPH AT THE GILLETTE AIRPORT AT 1605 MST. FINALLY, AT 1642 MST SOME WINDOW DAMAGE WAS DONE TO A HOUSE 3 MILES SOUTH OF LA GRANGE DUE TO 58 MPH THUNDERSTORM WINDS.</p>						
ALBANY COUNTY 20N LARAMIE	12	1245MST			0	0	0	0	HAIL (1.75)
GOSHEN COUNTY 1S TORRINGTON	12	1510MST	.5	50	0	0	0	0	TORNADO (F0)
GOSHEN COUNTY IN TORRINGTON	12	1510MST	.5	50	0	0	0	0	TORNADO (F0)
GOSHEN COUNTY TORRINGTON	12	1512MST	.5	50	0	0	4	0	TORNADO (F1)
			<p>ON THE AFTERNOON OF THE 12TH, SEVERE THUNDERSTORMS FORMED OVER FAR SOUTHEASTERN WYOMING. AT 1245 MST, GOLFBALL SIZE HAIL OCCURRED NEAR BOSLER. LOCATED ABOUT 20 MILES NORTH OF LARAMIE. LATER, AT 1510 MST, 3 TORNADOES BRIEFLY TOUCHED DOWN IN THE VICINITY OF TORRINGTON, INCLUDING ONE THAT MOVED NORTH THROUGH THE CENTER OF THAT COMMUNITY. DAMAGE IN TORRINGTON INCLUDED THE ROOF BEING TORN OFF OF A BEAN ELEVATOR, A CHURCH CHIMNEY DESTROYED, UPROOTED TREES AND DAMAGED CARS. MOST AUTOMOBILE DAMAGE WAS CAUSED BY FALLEN TREE LIMBS. THE DAMAGE WAS RESTRICTED TO A FOUR-BLOCK AREA.</p>						
LINCOLN COUNTY 10W KEMMERER	15	1400MST			0	0	0	0	FUNNEL CLOUD
			<p>A FUNNEL CLOUD WAS SPOTTED ABOUT 10 MILES WEST OF KEMMERER DURING THE AFTERNOON OF THE 15TH.</p>						
PARK COUNTY 5E CODY	15	1727MST			0	0	0	0	HAIL (0.75)
			<p>DURING THE LATE AFTERNOON OF THE 15TH, DIME SIZE HAIL FELL FROM A THUNDERSTORM 5 MILES EAST OF CODY.</p>						
WYZ005-010 NORTHERN FRONT RANGE AND WIND RIVER BASIN	18	1700 TO 1900MST			0	0	0	0	HIGH WIND
			<p>A COLD FRONT MOVING SOUTHEAST THROUGH CENTRAL WYOMING CREATED A BRIEF PERIOD OF HIGH WINDS DURING THE EARLY EVENING OF THE 18TH. BOTH AIRPORTS AT SHERIDAN AND LANDER RECORDED PEAK WIND GUSTS OF 63 MPH.</p>						
WYZ002-014 NORTHWEST CHINOOK AND RED DESERT	23	1500 TO 2200MST			0	0	0	0	HIGH WIND
			<p>STRONG WINDS BLEW THROUGH THE NORTHWEST AND SOUTHWEST PORTIONS OF THE COWBOY STATE ON THE AFTERNOON THROUGH THE LATE EVENING OF THE 23RD. CODY HAD SUSTAINED WINDS OF 40 MPH WITH GUSTS AS HIGH AS 58 MPH DURING THIS PERIOD. IN THE LATE AFTERNOON AND EARLY EVENING, RAWLINS LOGGED PEAK WINDS UP TO 59 MPH.</p>						
CAMPBELL COUNTY GILLETTE	24	0108MST			0	0	0	0	THUNDER- STORM WIND(55)
			<p>IN THE EARLY MORNING OF THE 24TH, A SEVERE THUNDERSTORM PRODUCED 63 MPH WINDS IN GILLETTE.</p>						
WYZ016 LARAMIE VALLEY	24	1300 TO 1700MST			0	0	0	0	HIGH WIND
			<p>DURING THE AFTERNOON OF THE 24TH, THE INTERSTATE 80 SUMMIT, 30 MILES WEST OF CHEYENNE, LOGGED SUSTAINED WINDS OF 40 TO 50 MPH WITH GUSTS AS HIGH AS 68 MPH.</p>						
WYOMING									
WYZ009 WIND RIVER MOUNTAINS	27- 28	0500 TO 0500MST			0	0	0	0	HEAVY SNOW
			<p>FROM THE EARLY MORNING OF THE 27TH THROUGH THE EARLY MORNING OF THE 28TH, HEAVY SNOW FELL ON THE WIND RIVER MOUNTAINS. AMOUNTS OF 1 TO 2 FEET WERE COMMON, WITH THE GREATEST REPORTED SNOWFALLS AT THE UNION AND TOGWOTEE PASSES.</p>						
WYZ014 RED DESERT	27	1300 TO 1700MST			0	0	3	0	HIGH WIND
			<p>ON THE AFTERNOON OF THE 27TH, FEROCIOUS WINDS OCCURRED ACROSS SWEETWATER COUNTY. SUSTAINED WINDS OF 25 TO 40 MPH WITH GUSTS TO 60 MPH WERE REPORTED. AT THE TOWN OF GREEN RIVER, DAMAGE WAS DONE TO MOBILE HOMES AT A TRAILER PARK. ADDITIONALLY, ONE OF THE BUILDINGS AT A HORSE CORRAL WAS DESTROYED.</p>						
SWEETWATER COUNTY 50SE ROCK SPRINGS	30	1125MST	.5	50	0	0	0	0	TORNADO (F0)
UINTA COUNTY 15W LYMAN	30	1235MST	.5	50	0	0	3	0	TORNADO (F0)
SWEETWATER COUNTY 15S GRANGER	30	1235MST	.5	100	0	0	0	0	TORNADO (F0)
UINTA COUNTY 1S LYMAN	30	1235MST			0	0	0	0	HAIL (1.00)
SWEETWATER COUNTY 20SE ROCK SPRINGS	30	1300MST			0	0	0	0	FUNNEL CLOUD
UINTA COUNTY 25NE EVANSTON	30	1300MST			0	0	0	0	FUNNEL CLOUD
LINCOLN COUNTY 15SE KEMMERER	30	1312MST			0	0	0	0	FUNNEL CLOUDS
CARBON COUNTY 1W RAWLINS	30	1400MST			0	0	0	0	FUNNEL CLOUD
			<p>ON THE AFTERNOON OF THE 30TH, NUMEROUS SEVERE THUNDERSTORMS DEVELOPED OVER 4 COUNTIES ACROSS SOUTHWEST WYOMING. THESE STORMS SPANNED 3 TORNADOES, NUMEROUS FUNNEL CLOUDS AND HAIL. THE TORNADOES WERE RELATIVELY WEAK AND SHORT LIVED. THE FIRST WAS SIGHTED DURING THE LATE MORNING IN OPEN COUNTRY 50 MILES SOUTHEAST OF ROCK SPRINGS. AT 1235 MST, THE NEXT TORNADO TOUCHED DOWN 1 MILE SOUTHWEST OF THE TOWN OF LYMAN AND DISSIPATED JUST BEFORE IT MOVED INTO THE HEART OF THAT COMMUNITY. MINOR DAMAGE WAS DONE ON THE OUTSKIRTS. IT CONSISTED OF TORN ROOF SHINGLES, BLOWN DOWN FENCES, TIPPED OVER TRASH BARRELS AND A SWING SET THAT WAS BLOWN OVER. THE PARENT THUNDERSTORM OF THIS TORNADO DEPOSITED QUARTER SIZE HAIL 1 MILE SOUTH OF THE TOWN. AT ABOUT THIS SAME TIME, ANOTHER TORNADO OCCURRED IN OPEN COUNTRY 15 MILES SOUTH OF GRANGER. FROM 1300 MST TO 1400 MST, FUNNEL CLOUDS WERE SIGHTED IN LINCOLN, UINTA, SWEETWATER AND CARBON COUNTIES.</p>						
49 ALASKA, Northern ----- NO REPORT RECEIVED									
49 ALASKA, Southern									
KODIAK ISLAND	15	1600AST			0	0	6	0	High Winds and Seas
			<p>A moderate low in the Gulf of Alaska produced wind gusts to 50 mph in the Kodiak Island area. This was during a 24 hour opening for halibut fishing. Two large fishing boats were reported to have sunk.</p>						

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MAY 1989

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
ALASKA, Southern																			
NORTH GULF COAST	22	1530AST			0	0	0	0	Funnel Cloud										
A funnel cloud was reported by the Cordova Flight Service Station (FSS) FAA duty observer.																			
BRISTOL BAY and SOUTH-CENTRAL ALASKA	27	1800AST			0	0	0	0	High Winds										
A strong low moved north through the eastern Aleutians producing strong winds over Bristol Bay and portions of South-Central Alaska. Gusts to 90 mph were reported in Turnagain Arm just east of Anchorage. Gusts to 45 mph occurred at King Salmon and Iliamna. A high wind warning was issued for the Anchorage hillside, gusts to 60 mph were reported.																			
Yukon-Kuskokwim Delta (SW Alaska)	16-26				0	0	6	0	Ice Jams and River Flooding										
Ice jams along the Kuskokwim and Yukon rivers during this period produced floods due to their damming effect. Alaska's governor announced on 26 May an emergency disaster declaration for six villages along the rivers. Damages were most significant at the community of Aniak.																			
49 ALASKA, Southeastern — NO REPORT RECEIVED																			
50 HAWAII — NONE REPORTED																			
51 PUERTO RICO — NONE REPORTED																			
52 VIRGIN ISLANDS — NONE REPORTED																			
53 PACIFIC — NONE REPORTED																			

STORM SUMMARY

MAY 1989

TYPE	ALABAMA	ARIZONA	ARKANSAS	CALIFORNIA	COLORADO	CONNECTICUT	DELAWARE	FLORIDA	GEORGIA	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MAINE	MARYLAND & DC	MASSACHUSETTS	MICHIGAN	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NEVADA	NEW HAMPSHIRE
TORNADOES		0																									0
Number	1		2		6			10	7	1	4	9	9	4	8	16				6	10	5	3	1	4		
Days	1		2		4			6	2	1	2	2	3	3	4	5				3	2	3	3	1	3		
Deaths	0		0		0			0	0	0	0	0	0	0	0	0				0	0	0	0	0	0		
Injuries	0		0		0			0	28	0	0	0	6	0	2	2				1	0	0	0	0	0		
Property Damage	0		5		5			7	6	3	3	5	5	0	7	6				6	5	6	6	5	4		
Crop Damage	0		?		0			0	?	0	0	?	6	3	2	?				?	?	0	0	0	3		
HAIL																											
Deaths	0		0		0			0	0	0	0	0	0	0	0	0			0		0	0	0	0	0		
Injuries	0		1		1			0	0	0	7	0	0	0	0	1			0		0	0	0	0	0		
Property Damage	?		6		5			2	?	3	7	7	5	5	4	7			?		?	?	5	5	6		
Crop Damage	?		6		5			0	?	5	?	6	5	6	0	?			?		?	0	6	7			
THUNDERSTORM WINDS																											
Deaths	0		0		0		2	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0		
Injuries	?		9		0		?	2	1	0	7	6	3	0	2	5			1	1	?	2	0	0	0		
Property Damage	?		6		4		?	5	5	5	6	7	6	6	7	?			?	6	?	6	5	5	6		
Crop Damage	?		?		0		0	?	?	3	?	6	4	4	0	?			?	?	?	0	5	0	4		
HIGH WINDS																											
Deaths			0		0		0												0			0		0	0		
Injuries			0		0		0												0			2		0	5		
Property Damage			5		3		4												5			5		5	0		
Crop Damage			?		0		0												0			0		0	0		
LIGHTNING																											
Deaths	1		0		0			1	0					0					0				0	0	0		0
Injuries	1		1		1			2	1					1					0				0	0	0		0
Property Damage	0		6		4			5	?					5		6			5				3	3	5		3
Crop Damage	0		?		0			0	0				0	0		0			0				0	0	0		0
FLASH FLOODS																											
Deaths	0		0		0			0	0				0	0	2				3			0	0	0	0		0
Injuries	?		0		0			0	?				0	4	5	8			?			4	4	4	4		2
Property Damage	?		5		5			?	?			6	?	4	2	?			?			5	0	0	5		0
Crop Damage	?		0		0			0	0			?		4	2				?			0	0	5	0		0
FLOODS																											
Deaths						0									0	0			0								
Injuries						0									0	0			0								
Property Damage						5									3	6			?								
Crop Damage						?									0	?			?								
HEAVY SNOWSTORMS AND BLIZZARDS @																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
ICE STORMS #																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
HURRICANES AND TROPICAL STORMS																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
ALL OTHERS																											
Deaths			0		0														2		0						
Injuries			0		0														0		0						
Property Damage			0		4														?		?						
Crop Damage			?		5														?		?						

SEE REFERENCE NOTES FOR STORM DAMAGE CATEGORIES

STORM SUMMARY

MAY 1989

TYPE	NEW JERSEY	NEW MEXICO	NEW YORK	NORTH CAROLINA	NORTH DAKOTA	OHIO	OKLAHOMA	OREGON	PENNSYLVANIA	RHODE ISLAND	SOUTH CAROLINA	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	VERMONT	VIRGINIA	WASHINGTON	WEST VIRGINIA	WISCONSIN	WYOMING	ALASKA	HAWAII	PACIFIC	PUERTO RICO	VIRGIN ISLANDS	NATIONAL DEATH & INJURY TOTALS	
TORNADOES																												
Number	1	4		11	3	5	7				4		1	70	1		4		0		6							
Days	1	3		1	2	2	4				2		1	12	1		2				2							
Deaths	0	0		5	0	0	0				0		1	1	0		0				0						9	
Injuries	0	0		107	0	0	2				47		2	67	0		0				0						264	
Property Damage	3	3		8	5	5	5				6		5	8	1		?				5							
Crop Damage	0	?		?	0	0	?				6		0	?	0		?				?							
HAIL																												
Deaths		0			0		0		0					0			0										0	
Injuries		0			0		0		0					6			0				0						16	
Property Damage		7			6		5		?					7			?				6							
Crop Damage		?			6		?		?					7			?				?							
THUNDERSTORM WINDS																												
Deaths	0	0		2	0	0	0		0		0	0	0	1	0	0	0	0	0		0						6	
Injuries	0	0		1	7	0	1		1		13	2	0	15	0	0	12				6						96?	
Property Damage	5	4		5	7	5	6		5		6	?	6	6	3	3	7			7								
Crop Damage	0	?		0	o/c	0	?		0		?	0	0	6	0	0	?			?	0							
HIGH WINDS																												
Deaths				0							0			0	0												0	
Injuries				0							0			0	0												2	
Property Damage				?							4			?	1						3							
Crop Damage				0							0			?	0						0							
LIGHTNING																												
Deaths		1		2		1	0		0		0	0	0	1	0			0			0						9	
Injuries		0		7		1	1		0		1	0	1	0	0			1			2						23	
Property Damage		0		3		0	6		5		4	?	?	?	3			4			?							
Crop Damage		0		0		0	?		0		0	0	0	4	0			0			?							
FLASH FLOODS																												
Deaths	0			0			0	0	0					8	0		2				0						15	
Injuries	0			0			0	0	0					0	0		2				0						2	
Property Damage	?			5			?	4	?					8	4		5				?							
Crop Damage	0			3			?	0	?					?	0		?				?							
FLOODS																												
Deaths	0			0		4	?		0			0		5		0	3										12	
Injuries	0			0		?	?		0			0		?		0	0										?	
Property Damage	?			7		8	?		?			?		7		4	?											
Crop Damage	0			?		?			0			?		?		?	?											
HEAVY SNOWSTORMS AND BLIZZARDS @																												
Deaths				0																								
Injuries				0																								
Property Damage				5																								
Crop Damage				0																								
ICE STORMS #																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
HURRICANES AND TROPICAL STORMS																												
Deaths																												
Injuries																												
Property Damage																												
Crop Damage																												
ALL OTHERS																												
Deaths		0		0					2		1					0	0										5	
Injuries		0		0					0		0					0	0											
Property Damage		4		4					5		0					5	?											
Crop Damage		6		0					0		5					?	?											

SEE REFERENCE NOTES FOR STORM DAMAGE CATEGORIES

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.

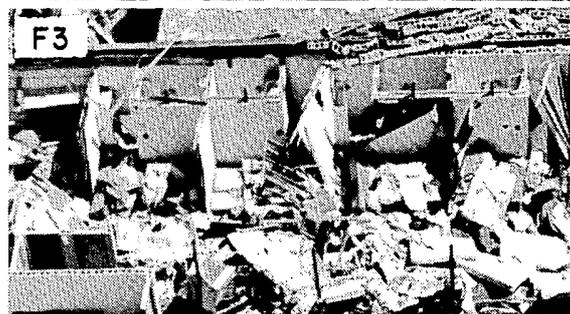
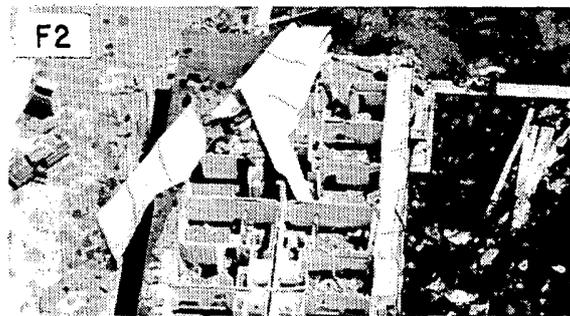
(F3) Severe tornado (158-206 mph): Severe damage
Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

(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.

(F0+F1) *Weak Tornado*
(F2+F3) *Strong Tornado*
(F4+F5) *Violent Tornado*



From J. Atmos. Sci., August 1981, p. 1517-1519

USCOMM-NOAA-ASHEVILLE, N.C. 1989-1800

Summaries of Temperature and Precipitation Extremes were compiled by Vincent Miller of THE WEATHER CHANNEL, Atlanta, Georgia.

TEMPERATURES EXTREMES

APRIL 1989

STATE	H I G H E S T	D A T E	STATION	L O W E S T	D A T E	STATION
Alabama	93	27	Headland	23	11	Saint Bernard Valley Head
					11	Hamilton 3 S
					12+	Russellville 2
					12	
Alaska	77	30	Annette WSO AP	-38	1	Chandalar Lake
Arizona	107	6	Yuma WSO AP	11	27	Alpine
		8+	Lake Havasu			
		8+	Yuma Valley			
		20	Fountain Hills			
Arkansas	93	22	Mountain Home 1 NNW	18	11	Gilbert
		26	Pocahontas 1		11	Lead Hill
		27	Booneville 3 SSE			
		27	Star City			
California	112	7	Palm Springs	8	25	Bodie
Colorado	100r	21	Las Animas	-17	10	Red Feather Lakes
Connecticut	77a	30	Wigwam Reservoir	10	11	Shepaug Dam
Delaware	80	18	Dover	25?	10	Newark University Farm
				26	12	Georgetown 5 SW
Florida	98?	10	Archbold Biological St	32	2	Tallahassee WSO AP
	96m	1	Tamiami Trail 40 Mi Be			
	96H	13	Devils Garden			
	96	25	Myakka River State Park			
Georgia	96?	28	Newington 2 NE	22	12	Blairsville Exp Station
	95	27	Waycross 4 NE			
		28	Sapelo Island			
		29+	Folkston 9 SW			
Hawaii	90	27+	Puukohola Heiau 98.1	28	3+	Mauna Loa Slope Observatory
Idaho	90	19	Hagerman 2 SW	1	4	Island Park
Illinois	99!	27	Kaskaskia R Nav Lock	10	13	Mount Carroll
	97H	26	Flora 5 NW			
	94H	26	Palestine			
	93	26+	Waterloo			
Indiana	91	26	English	13	10	Lagrange Sewage Plant
		27	Evansville			
		27+	Evansville WSO Airport			
Iowa	99s	22	Glenwood	12	10+	Sibley 5 NNE
				12?	11	Mason City
Kansas	107r	22	Hays 1 S	0	10	Brewster 4 W
Kentucky	97?	27	Greensburg	17	12+	Grayson 3 SW
	93	27	Nolin River Lake			
Louisiana	91	27+	Monroe FAA Airport	25	11	Ashland
		29	Winnfield 2 W			
Maine	69	17	Brunswick	5	2	Allagash
Maryland	83	18	Baltimore WSO City	14	11	Vienna
		18	Crisfield Sommers Cove			
		18	La Plata 1 W			
		18	Mechanicsville 1 E			
Massachusetts	74a	30	Great Barrington Airport	16	9	Tully Lake
					13+	Lanesboro
Michigan	81	25	Holland	- 2	9	Champion Van Riper Park
					9	Herman
Minnesota	83	21	Luverne	- 8	10	Brimson 1 E
		23	Pipestone		10	Gunflint Lake 10 NW
Mississippi	91	25	Meadville	22	11	Iuka
		26	Hattiesburg			
		27	Belzoni			
		27+	Corinth City			
		27	University			

TEMPERATURE EXTREMES

APRIL 1989

STATE	H I G H E S T	D A T E	STATION	L O W E S T	D A T E	STATION
Missouri	96	26	Marysville 2 E	10	11	Mansfield
Montana	93	22	Broadus	- 6	9	Cook City
Nebraska	101	22	Beaver City	- 1	10	Harrisburg 10 NW
Nevada	106 ^r	7	Laughlin	9	25	Reese River - O'Toole
New Hampshire	76	30	Hanover	- 4	23	Mount Washington
New Jersey	82?	26	Belleplain State Forrest	19	12	Newton St Pauls Abbey
	79	27	Newark WSO Airport			
		30 ^m	Little Falls			
		30 ^m	Morris Plains 1 W			
New Mexico	102	22+	Waste Isolt'n Pilot Plant (about 23 E of Carlsbad)	9	10	Gascon
New York	80	30	Port Jervis	8	2	Lake Placid 2 S
North Carolina	94	27	North Wilkesboro	14	11	Mount Mitchell
		27	W Kerr Scott Reservoir			
North Dakota	94	22	Heart Butte Dam	0	9+	Pembina
Ohio	88	25	Cheviot	12	10	Warren 3 S
					11	Athens
Oklahoma	105 ^s	23	Buffalo	18?	11	Perry
					19	Smithville
Oregon	91	9	Dora 2 W	14	27	Crater Lake NPS HQ
Pennsylvania	84 ^a	30	Laurelton St Village	12	11	Prince Gallitzin State Park
Rhode Island	74	18	Providence WSO Airport	21	23	Kingston
South Carolina	95	27	Aiken 4 NE	25	12	Ninety Nine Islands
South Dakota	97	22	Plainview 4 SSW	- 6	9	Deerfield 3 SE
Tennessee	91	27+	Nashville WSO Airport	5	11	Mt LeConte
		27	Dyersburg FAA Airport			
		27	Norris			
		28+	Clarksville Sewage Plant			
		28+	Jackson FCWOS Airport			
Texas	110	8	Laredo 2	21	10	Stratford
		28	Milan 1 N			
		8	Zapata 3 SW			
Utah	98	19	Hanksville	9	10	Uintalands
Vermont	74 ^a	30	Vernon	6	11	West Burke
Virginia	90	26	Martinsville Filter Plant	11	11	Mt Lake Biological Station
		27+	Danville-Bridge St			
Washington	85	30	Oakville	17	3	Rainier Paradise R S
		30	Toledo			
West Virginia	90	26	Williamson	7	11	Canaan Valley
Wisconsin	82	24	Solon Springs	5	9	Marinette
Wyoming	91	22	Torrington Exp Farm	-14	4	Lake Yellowstone

NOTE: Due to differences in observing times and methods, and quality control problems, data in the temperature table may differ from dates (primarily of high temperatures) from data published in individual state Climatological Data.

- ? Published as the monthly extreme in Climatological Data, but appears to be in error.
- ! Published as the monthly extreme in Climatological Data, but verified by the National Climatic Center to be in error.
- + And on previous date or dates.
- H Temperature appears too high.
- a An "AM" temperature reader, thus the high was published as having happened on April 1st.
- m Probably happened on March 31st.
- r New state monthly record. Not all state extremes are yet available to the editor.
- s Missed the state monthly record by one degree.

PRECIPITATION EXTREMES

APRIL 1989

STATE	G R E A T E S T	M O N T H L Y	STATION	M O N T H L Y	STATION	G R E A T E S T	D A T E	STATION	G R E A T E S T	M O N T H L Y	W	STATION	G R E A T E S T	D E P T H	D A T E	STATION	
Alabama	8.07		Georgianna 1 N	1.81? 2.16	Walnut Grove Aliceville Lock and Dam	3.70	5	Lafayette									
Alaska	15.36		Whittier	.00	Tok Clear Water; College 5 NW; Eagle; Eielson Field; Healy 2 NW; Nenana Mun AP; North Pole; University Exp Station	4.52	25	Main Bay	65.7			Ambler West	89	1		Main Bay	
Arizona	.55		Greer	T or .00	158 stations												
Arkansas	6.33		Mount Ida 3 SE	.18	Odell 2 N	3.78	30	Big Fork 2 ENE									
California	6.85		Buckhorn	T or .00	78 stations	3.50?	28	Middletown	37.0			Echo Summit Sierra Ski	61	3		Echo Summit Sierra Ski	
Colorado	4.91		Mt Evans Research Station	.00	Flagler 2 NW; Mesa Verde National Park; Stratton Crestone 1 SE; Durango; Fort Lewis; Northdale; Norwood; Pagosa Springs; Yellow Jacket 2 W	1.60	3	Wolf Creek Pass 1 E	66.0			Mt Evans Research Station	72	12		Mt Evans Research Station	
Connecticut	5.76		Groton	3.15	Bridgeport WSO Arpt	1.64	30	Groton	4.2			Norfolk 2 SW	2	14		Norfolk 2 SW	
Delaware	6.48		Georgetown 5 SW	2.76	Wilmington WSO Arpt	1.57	30	Greenwood 2 NE									
Florida	7.67		Clewiston US Engineers	.35	St Petersburg	3.91	15	West Palm Beach WSO Airport									
Georgia	8.11		Thomaston 2 S	1.20? 1.47	Quitman 2 NW Folkston 9 SW	3.27	11	Morgan 5 NW	2.0			Blairsville Exp Sta	2	7		Blairsville Exp Sta	
Hawaii	71.29		Kukaiiau 222	.18	Waimea 947	15.15	29	Ookala 223	9.0			Dixie	57	1		Island Park	
Idaho	3.00		Fenn Ranger Station	T	Grand View 2 W	1.28	3	Murphy Hot Springs	2.0			Farmer City 2 W	2	8		Farmer City 2 W	
Illinois	7.71		Charleston	.61	Oregon 2 E	2.25	29	Lawrenceville	2.5			Urbana	8	8		Paxton	
Indiana	7.86		Knightstown 2 SE	1.10?	Logansport Radio WSAL	3.07	4	Spurgeon 2 N	2.5			Lafayette 5 S Lagrange Sewage Plnt	2n	8		Boswell 4 W	
Iowa	4.52		Independence 5 ENE	1.50 .19?	Ogden Dunes Marble Rock	3.06	23	Independence 5 ENE	3.5			Pocahontas	3	8		Estherville 2 N	

PRECIPITATION EXTREMES

APRIL 1989

STATE	G R E A T E S T	M O N T H L Y	STATION	M O N T H L Y	STATION	G R E A T E S T	D A T E	STATION	G R E A T E S T	M O N T H L Y	W	STATION	G R E A T E S T	D A T E	STATION
Kansas	1.54		Osawatomie	.42 .00	Perry 3 N Atlanta; Cambridge 1 SSE; Osborne; Thrall 5 S	1.37	28	Centralia	14.0			Winona	11	9	Saint Francis
Kentucky	6.23 5.80		Richmond State Pol? Louisville Upper Gage	1.48? 1.70	Bellaire 12 N; Harlan; Smith Center Bardwell 2 E Cumberland 2 (L); Henderson 7 SSW; Madisonville	3.15	4	Louisville Upper Gage	.3			Closplint 4 ESE Covington WSO AP			
Louisiana	5.94		New Orleans S&WB	.46	Homer 3 SSW	4.60	28	Oberlin Fire Tower							
Maine	4.40		Danforth	1.73	Clayton Lake	1.40	6	Waterville Pump Stn	21.8			Danforth	24	1	Dover-Foxcroft
Maryland	6.27		Salisbury	1.00	Hagerstown	2.17	30	Upper Marlboro 3 NNW	7.0			Mc Henry 2 NW	2	2+	Mc Henry 2 NW
Massachusetts	5.88		East Wareham	3.04? 3.29L 3.45	Brockton Tully Lake Plainfield	2.14	16	Chatham WSMO	4.7			Blue Hill	4	8	Blue Hill
Michigan	3.34		Hillsdale	.23	Iron Mtn-Kingsford WWTP	1.60	21	Howell WWTP	23.9			Ironwood	21	1	Whitefish Point
Minnesota	5.06		Blue Earth	T	High Landing 2 NW	2.35	24	Blue Earth	20.0			Caribou 2 S	28	4	Isabella
Mississippi	7.06		Shubuta	1.02	Vicksburg Military Park	3.87	5	Pascagoula 3 NE							
Missouri	5.41		Caruthersville	.08	Ash Grove	2.28	4	Zalma 4 E							
Montana	4.76?		Big Sandy	.07	Dillon WMCE	3.32?	6	Big Sandy	31.8			Bozeman 12 NE	47	5	Cooke City 2 W
Nebraska	4.50 2.27		Plevna Omaha (North) WSFO	T or .00	17 stations	2.13 1.90	28 27	Volborg Omaha (North) WSFO	7.0?			Crawford; Potter 4 N	11	9	Haigler
Nevada	1.34		Dagget Pass	T or .00	29 stations	.71	3	Clover Valley	11 M			Haigler			
New Hampshire	9.45		Mount Washington	2.22	Berlin	1.62	16	Greenland	9.0			Dagget Pass	7	25	Dagget Pass
New Jersey	6.65		Mays Landing 1 W	1.64	Belvidere Bridge	2.06	29	Cape May 2 NW	71.9			Mount Washington	20	2	First Conn Lake
New Mexico	1.15		Des Moines	T or .00	87 stations	.82	30	Grenville	.5			High Point Park			
New York	6.15		Bridgehampton	.84	Endicott	2.72?	30	Wilson 2 NE	8.0			Chacon 2 S	8	13	Chacon 2 S
North Carolina	9.57		Cape Hatteras WSO	1.97	Wilkesboro 2 W	1.98 4.80	16 30	Bridgehampton Pope Air Force Base	19.5			Red River Sherman	14	2+	Boonville 2 SSW
North Dakota	5.52		New England	.21	Mc Ville	2.35 2.30	24e 27	Glen Ullin Mott	20.0			Mount Mitchell	18	9	Mount Mitchell
									14.0			Hettinger	22	1	Langdon Exp Station

PRECIPITATION EXTREMES

APRIL 1989

STATE	G R E A T E S T	M O N T H L Y	STATION	M O N T H L Y	STATION	G R E A T E S T	D A T E	STATION	G R E A T E S T	M O N T H L Y	STATION	G R E A T E S T	D A T E	STATION
Ohio	9.54		Sayre	1.20	Canfield 1 S	4.25	26	Versailles	11.0M		Andover 2 NE	7	1	Kirtland - Holden
Oklahoma	4.01		Battiest 1 SW	T or .00	19 stations	2.35	29	Bear Mountain Tower	5.0		Boise City 2 E	3	10	Optima Lake
Oregon	6.83		Port Orford 5 E	.17	Richland	2.00	25	Crater Lake NPS HQ	62.0		Crater Lake NPS HQ	158	3	Crater Lake NPS HQ
Pennsylvania	4.36?		Mount Pleasant	.52	Bear Gap	1.21z	1	Madera 2 SE	17.5		Union City Filt Plant	9	1	Union City Filter Plant
Rhode Island	6.44		Kingston	4.20	Woonsocket	2.55	16	Kingston	2.2		North Foster 1 E	2	8	North Foster 1 E
South Carolina	8.53?		Pee Dee	2.34	Oakway 3 WSW	2.81	15	Newberry	3.0		Hogback Mountain	2	8	Caesars Head
South Dakota	6.46		Lake City 1 SE											
South Dakota	5.98		Lead	.54	Pickstown	3.15	28	Highmore 1 W	54.8		Lead	20	30	Harding 3 SE
Tennessee	6.01		Lawrenceburg Filt Pl	1.28?	Livingston Radio WLIV	3.18	4	Lawrenceburg Filt Pl	15.5		Mt LeConte	14	10+	Mt LeConte
				1.68	Gainsboro Memphis WSFO									
Texas	5.95		Texarkana	T or .00	34 stations	3.12	14	Ennis	4.0		Perryton 5 NNE	3	10	Follett, Perryton 5 NNE, Spearman
Utah	3.40		Silver Lake Brighton	T or .00	28 stations	1.30	26	Orem Treatment Plant	46.0		Alta	92	4	Alta
Vermont	5.04M		Mount Mansfield	.81	South Hero	1.76	7	Mount Mansfield	30.0		Mount Mansfield	74	14	Mount Mansfield
Virginia	8.01		Wakefield 2	1.23	Winchester "WINC"	2.83	26	Gathright Dam	9.6		Burkes Garden	8	8	Mt Lake Biological Station
Washington	10.52		Aberdeen 20 NNE	.31	Mc Nary Dam	4.44	5	Baring	44.5		Rainier Paradise R S	216	4	Rainier Paradise R S
West Virginia	8.29		Pickens 2	.78	Wardensville R M Farm	4.06	26	Pickens 2	17.0		Canaan Valley	8	9	Snowshoe
Wisconsin	3.08		Dodge	.26	Washington Island	1.33	28	Blue Mounds 6 SSE	15.3M		Hurley	15	1	Gordon
Wyoming	3.81		Alva	.00	Farson Baggs	1.75	27	Sundance	28.0		Burgess Junction	71	2	Minocqua Dam Lake Yellowstone
					South Pass City 2 NW									

NOTE: Due to differences in observing times and methods, and quality control problems, the precipitation event listed for a particular date may have actually occurred wholly or partially on the previous day. Dates listed are as published in Climatological Data. Precipitation amounts are measured in inches.

+ And on previous date or dates.

? Published as monthly extreme in Climatological Data, but appears to be in error. When possible, the probable correct total and station is listed.

L Total seems low.

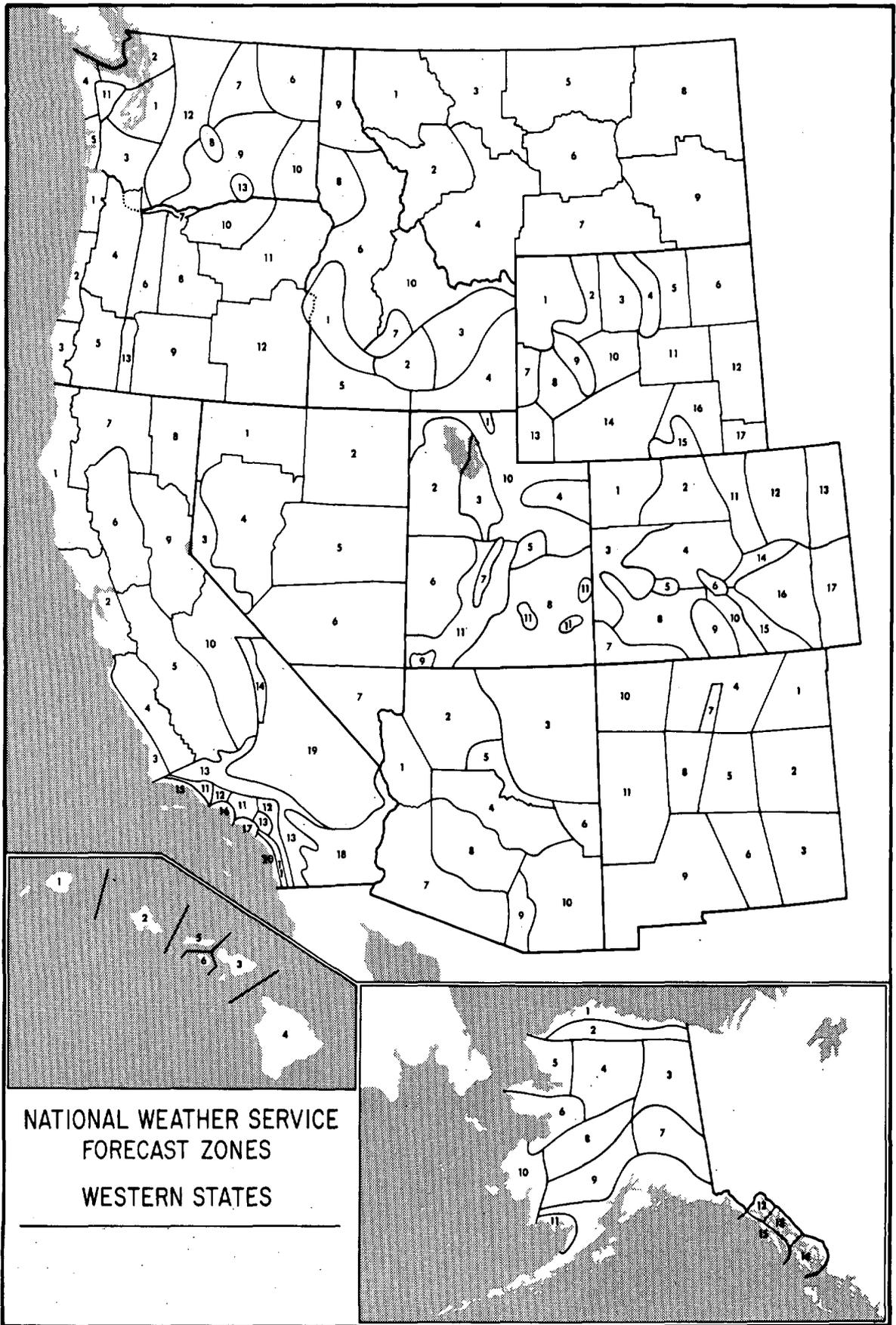
M Missing (1 to 9 daily values).

T Trace (an amount too small to measure). e Probably the total of what fell on the 25th, 26th, 27th, and 28th.

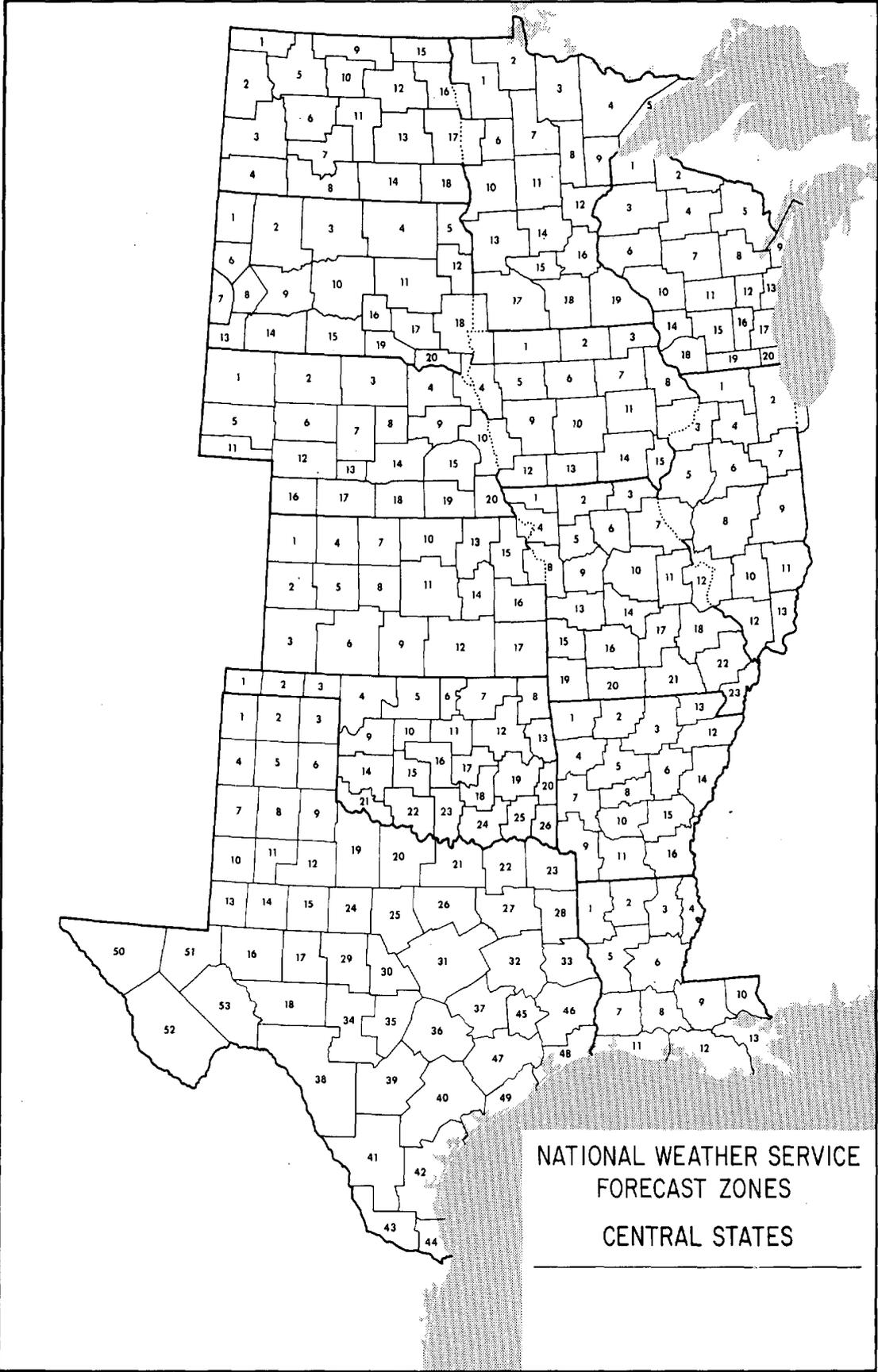
n Not the published extreme, but is the greatest listed snow depth.

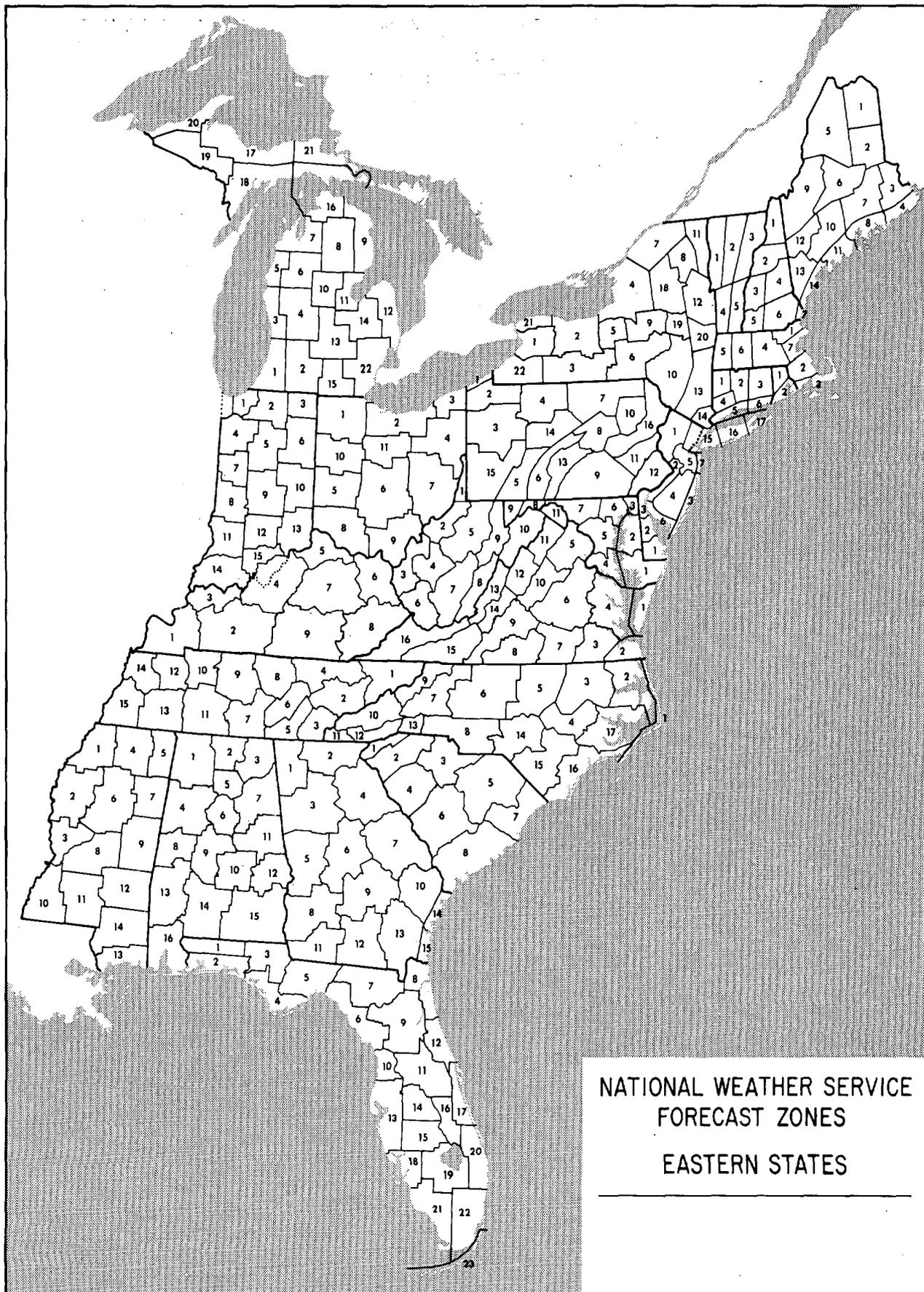
w Appears to be the monthly total precipitation.

z Probably fell mostly on March 31st.



NATIONAL WEATHER SERVICE
 FORECAST ZONES
 WESTERN STATES





NATIONAL WEATHER SERVICE
FORECAST ZONES
EASTERN STATES

CHALLENGES AHEAD: FLOOD LOSS REDUCTION STRATEGIES FOR THE '90s

This year's conference theme focuses on the challenges we face in the advent of the 21st century, and the strategies needed to further reduce flood hazards over the next decade. Papers are invited for, but not limited to, the following issues and subjects:

Mapping Issues: Delineation of floodplains in rapidly growing areas to account for the effects of future watershed development; new methods and techniques for assessing and evaluating flooding risks; dealing with floodplains not identified through the National Flood Insurance Program or where flood data does not exist.

Managing Stormwater: Linking floodplain and stormwater management programs; designing stormwater management facilities to reduce future flood losses while providing other environmental and community benefits; effective funding and maintenance arrangements.

The Floodplain and Beyond: Approaches for balancing the need to protect wetlands while allowing for appropriate development of floodplains; special partnerships which further multi-objective management; innovative land use strategies for river corridor management; basinwide approaches to stormwater management.

Floodplain Management for Tomorrow: Successful ways to encourage and promote flood preparedness and response; innovative floodplain management programs; effectiveness of Executive Order 11988 in the '90s.; new tools for floodplain managers; noteworthy local regulatory programs; key flood loss reduction issues for the decade ahead and alternatives for resolving them.

Flood Control: Designing flood control projects for multi-objective benefits; responding to the growing transfer of flood control project costs from federal to state and local governments.

Mitigation: Gaining greater support for state and local flood hazard mitigation activities; practical alternatives for mitigating flood losses to existing structures; exemplary mitigation projects.

Unique Flood Hazards: Defining the hazards; new mapping methodologies; effective management standards.

In addition to specific papers, the ASFPD also welcomes proposals for short course presentations at the conference and any special exhibits or demonstrations that may be of particular interest to conference attendees.

Submission of Abstracts

Prospective authors must submit three copies of the following items to Tim Keptner, Program Chair, by October 31, 1989:

- A one page abstract including the paper's title, all authors' names and their affiliations and the kinds of visual aids which will be used in the presentation.
- Concise biographies of all authors not to exceed 100 words per individual including current titles and positions, other background information directly relevant to the paper and complete mailing addresses and telephone numbers.

Authors will receive timely notification of the status of their papers. All papers selected must be submitted by May 15, 1990 for inclusion in the conference proceedings. All attendees, including authors, are expected to pay the conference registration fee.

About the Conference

The conference program will run Tuesday, June 12 through Thursday, June 14, including technical field trips in the Asheville area. The ASFPD will conduct its committee and general membership meetings on Monday, June 11. All members and conference participants are encouraged to attend.

The conference will be held at the Inn on the Plaza, in the heart of Asheville. Conference room rates are \$62 for a single and \$68 for a double. Hemispheric Travel, Inc. of Madison, Wisconsin will serve as the official conference travel agency.

Registration rates prior to May 1, 1990 will be \$180 for members, \$195 for non-members, and \$95 for students.

Exhibit Space

Exhibit space will be made available for a fee to individuals or organizations who wish to display a product or service to attendees. Further information can be obtained from Dan Accurti, Exhibits Chair.

Deadlines

OCTOBER 31, 1989 - final day for the receipt of abstracts and biographies.

MAY 15, 1990 - final day for the receipt of completed papers for inclusion in conference proceedings.



ASSOCIATION OF STATE
FLOODPLAIN MANAGERS
14TH ANNUAL CONFERENCE
ASHEVILLE, NORTH CAROLINA
JUNE 11-14, 1990

About Asheville

Located at the junction of the French Broad and Swannanoa Rivers, Asheville is the gateway to the Blue Ridge Parkway, Great Smoky Mountains National Park and Mt. Mitchell, the highest peak in the Eastern United States. This mountain region offers a unique blend of cultural and recreational opportunities from white water rafting to Appalachian arts and crafts; from raw natural beauty and scenic attractions to premier mountain resorts and from the simplicity of the Thomas Wolfe Memorial to the grandeur of 7,500 acre Biltmore Estate. Come join us for a breath of fresh air in the North Carolina mountains!

Conference Host:

NORTH CAROLINA DIVISION
OF EMERGENCY MANAGEMENT

Conference Director - *Berry Williams*
NC Div. of Emergency Management
116 West Jones Street
Raleigh, NC 27603-1335
Tele. (919) 733-3867

Program Chair - *Tim Keptner*
PA Dept. of Community Affairs
551 Forum Building
Harrisburg, PA 17120
Tele. (717) 787-7403

Exhibits Chair - *Dan Accurti*
PA Dept. of Community Affairs
551 Forum Building
Harrisburg, PA 17120
Tele. (717) 787-7403

CALL FOR PAPERS

ASSOCIATION OF STATE
FLOODPLAIN MANAGERS
14TH ANNUAL CONFERENCE
ASHEVILLE, NORTH CAROLINA
JUNE 11-14, 1990



The Association of State Floodplain Managers (ASFPM) invites all persons interested in presenting papers at the 14th annual conference in Asheville, North Carolina to submit abstracts for consideration by the program review committee. As the major floodplain management conference in the country, this yearly event attracts a broad audience including local, state, and federal officials, consultants, engineers, planners, representatives from non-profit organizations, researchers, educators, and involved citizens--all of whom have an interest or role in flood hazard reduction activities.

CHALLENGES AHEAD:

FLOOD LOSS REDUCTION STRATEGIES FOR THE '90s

* * * DETAILS ON PAGE REVERSE * * *

DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

**BULK RATE
POSTAGE & FEES PAID**
United States Department Of Commerce
NOAA Permit No. G - 19

"FORWARDING AND RETURN POSTAGE GUARANTEED -
ADDRESS CORRECTION REQUESTED"