

STORM DATA

WITH LATE REPORTS/CORRECTIONS



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C O N T E N T S

Cover: Debris from the roof of a home in Bode, Iowa litters the front yard after strong thunderstorm winds ripped through southwest Minnesota and north-central Iowa during the morning of April 22nd causing over 28 million dollars in damage. (See THUNDERSTORM WINDS in MINNESOTA and IOWA...., pages 10 through 13.) ---Photo from the Algona Upper Des Moines, Algona, Iowa,

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STORM DATA (ISSN 0039-1972)

The section on Outstanding Storms of the Month is prepared by Professor T. Theodore Fujita, editor, and Duane J. Stiegler, associate editor, the University of Chicago, with funding by the U. S. Office of Naval Research. The Storm Data and Unusual Weather Phenomena narratives, and summaries of Hurricanes/Tropical Storms are prepared by the National Weather Service. The National Climatic Data Center compiles statistics on deaths, injuries, damage and prepares the annual summaries of tornadoes and lightning. This publication contains our best information on storms, but due to the difficulties inherent in collection of this type of data it is not all-inclusive. Late reports and corrections will be carried quarterly. Maps of zones used in the Storm Data and Unusual Weather Phenomena will be published in all editions.

Storm Data is published monthly by the National Climatic Data Center.

Publication Staff

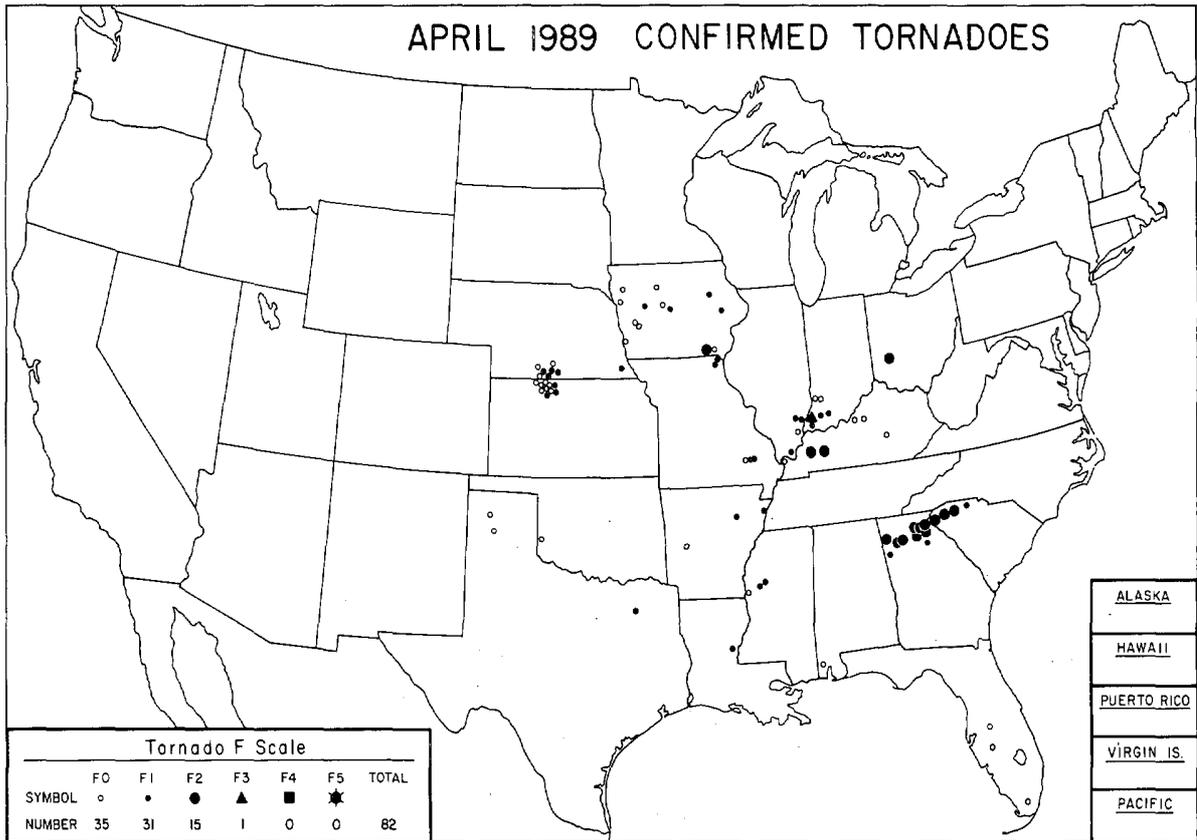
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S. C. Lackey

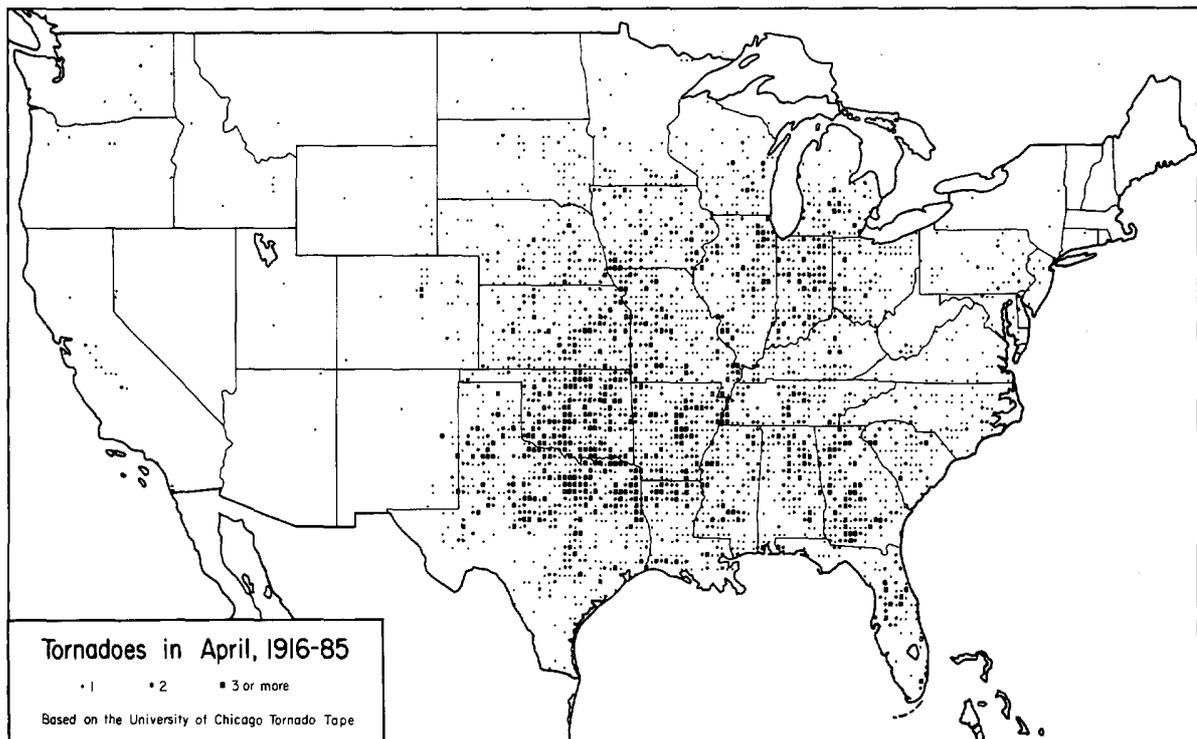
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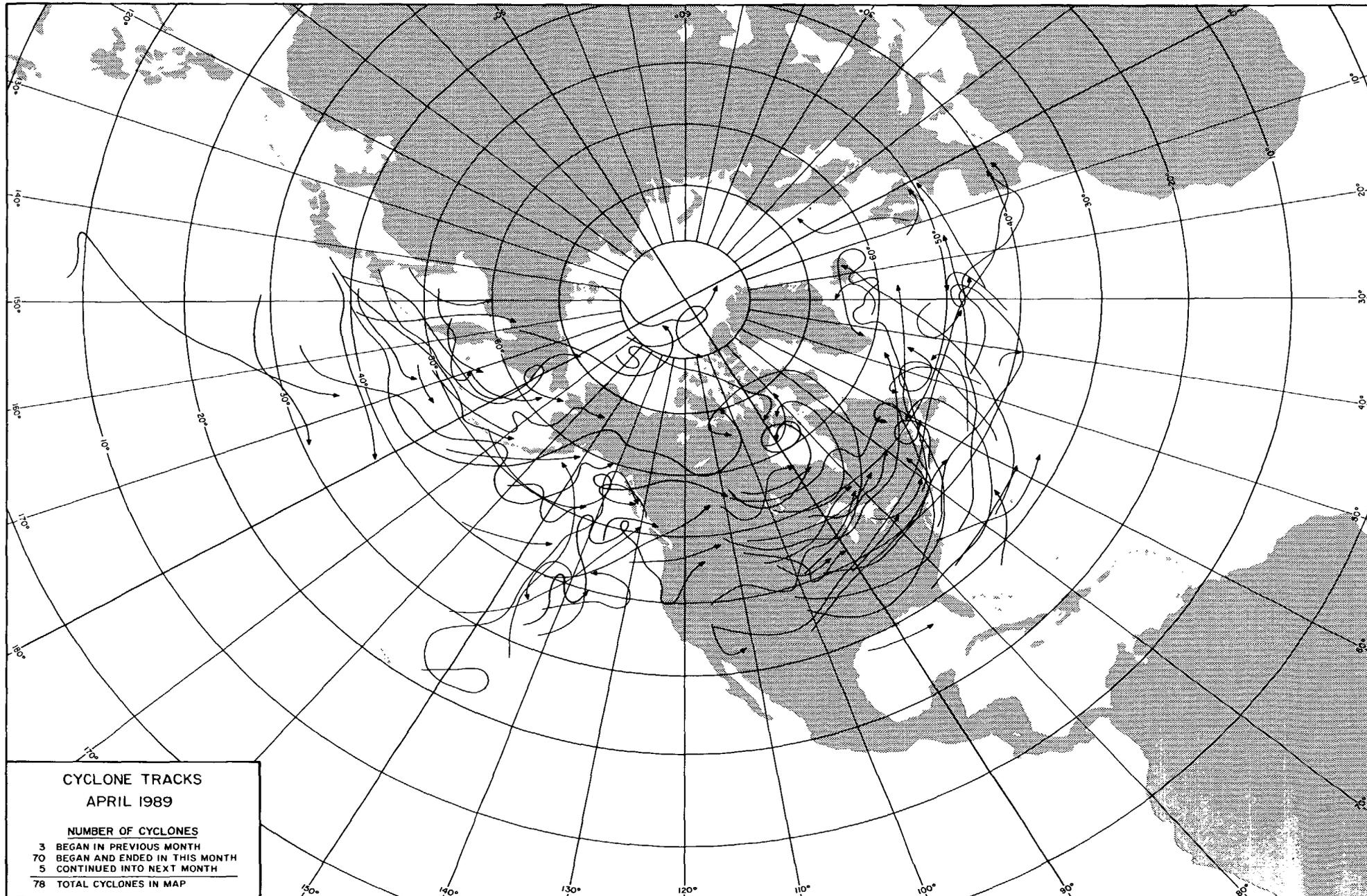
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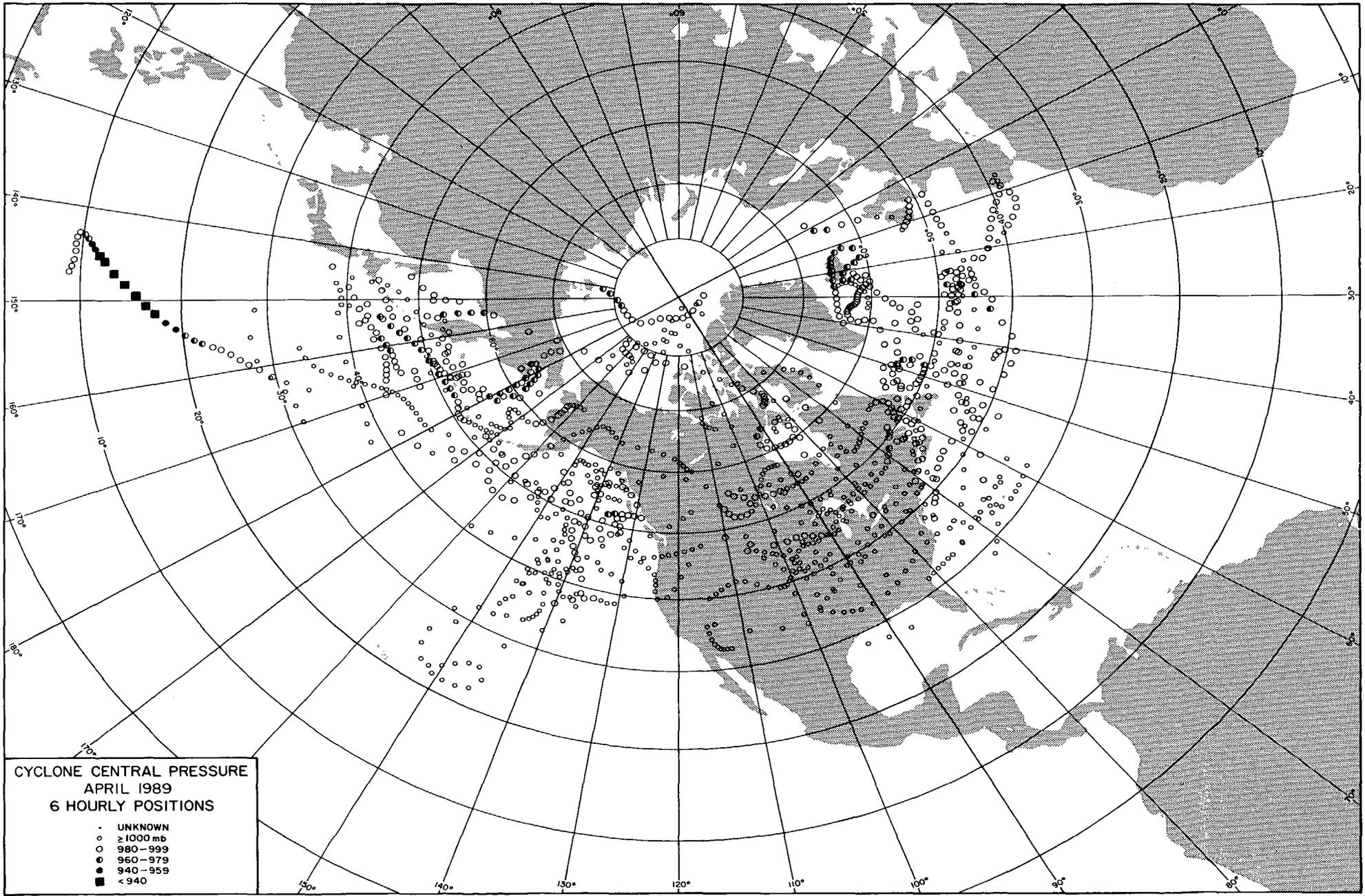
OUTSTANDING STORMS OF THE MONTH



● COMPLETE REPORT RECEIVED	● 1AL	● 7DE	● 14KS	● 21MN	● 28NJ	● 33OH	● 39SD	● 44VA	○ 49AK(SE)
○ PRELIMINARY REPORT RECEIVED	● 2AZ	● 8FL	● 15KY	● 22MS	● 29NM	● 34OK	● 40TN	● 45WA	○ 50HI
○ REPORT NOT RECEIVED	● 3AR	● 9GA	● 16LA	● 23MO	● 30NY(O)	● 35OR	● 41TX(N)	● 46WV	○ 51PR
(N) northern (W) western	● 4CA(N)	● 10ID	● 17ME	● 24MT	● 30NY(C)	● 36PA(E)	● 41TX(S)	● 47WI	○ 52VI
(S) southern (C) central	● 4CA(S)	● 11IL	● 18MD	● 25NE	● 30NY(W)	● 36PA(W)	● 41TX(W)	● 48WY	○ 53PC
(E) eastern (O) coastal	● 5CO	● 12IN	● 19MA	● 26NV	● 31NC	● 37RI	● 42UT	○ 49AK(N)	
(SE) southeastern	● 6CT	● 13IA	● 20MI	● 27NH	● 32ND	● 38SC	● 43VT	● 49AK(S)	







CYCLONE CENTRAL PRESSURE
APRIL 1989
6 HOURLY POSITIONS

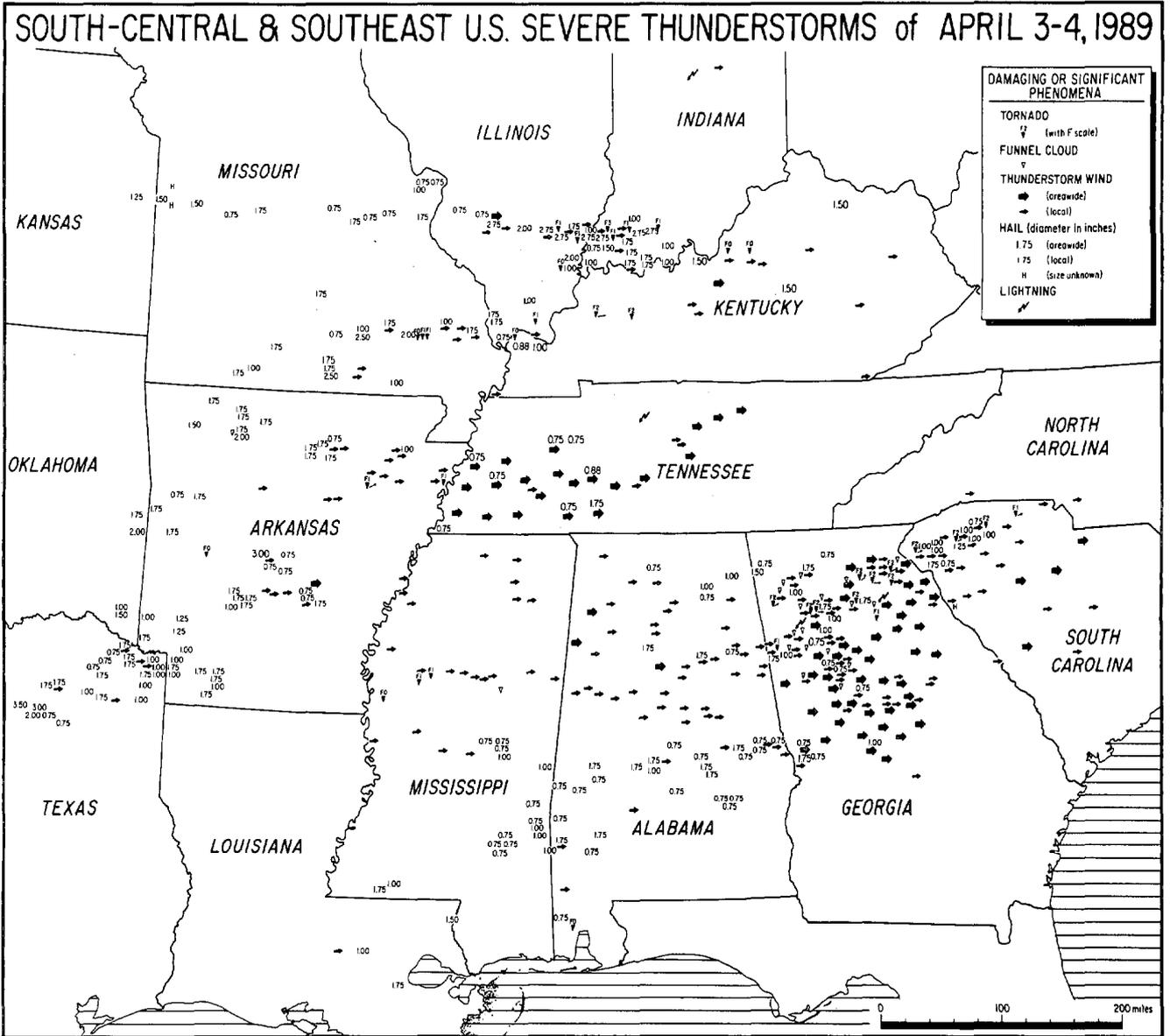
- UNKNOWN
- ≥ 1000 mb
- 980-999
- 960-979
- 940-959
- < 940

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

1. SEVERE THUNDERSTORMS

In the SOUTH-CENTRAL and SOUTHEAST U.S. on April 3-4, 1989

As if to celebrate the 15th anniversary of the Superoutbreak of April 3-4, 1974 when 148 tornadoes, the most ever in a single outbreak of record, danced their way across the Lower Great Lakes and the Ohio and Tennessee Valley regions, Mother Nature once again set off her fireworks when on April 3rd and 4th of 1989, severe thunderstorms brought a barrage of large hail, lightning, damaging winds and tornadoes to much of the South-Central and Southeast United States. This time the tornadoes were weaker and fewer in number, only 37, with only one reaching a maximum intensity of F3. Also, the damaging phenomena in general was more varied and widespread than in the 1974 episode. The tornadoes were most prevalent in northern Georgia and northwest South Carolina where 11 of 14 were of F2 intensity, and in the southern Illinois-Indiana border area where the F3 tornado occurred. Damaging thunderstorm winds were experienced mostly in southwest Tennessee and across the northern halves of Alabama and Georgia. Although the large hail was widespread, of particular note was baseball size hail that fell along an almost continuous 130 mile long path through southern Illinois and Indiana. There were 3 deaths and 44 injuries associated with the outbreak, all three deaths resulting from thunderstorm winds while of the injuries, 28 were attributed to the winds, 12 to tornadoes, 3 to lightning, and one to flooding.



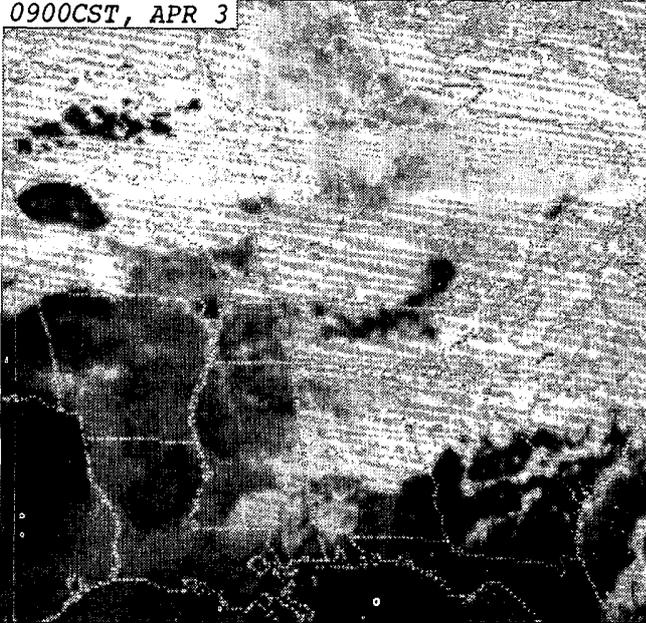
Distribution of severe thunderstorm phenomena reported in the South-Central and Southeast U.S. on April 3-4, 1989. ---Graphic by the University of Chicago from data supplied by NWSFO's at Birmingham, Alabama; Little Rock, Arkansas; Atlanta, Georgia; Chicago, Illinois; Indianapolis, Indiana; Topeka, Kansas; Slidell, Louisiana; Jackson, Mississippi; St. Charles, Missouri; Raleigh, North Carolina; Norman, Oklahoma; Memphis, Tennessee; and Fort Worth, Texas; and the South Carolina State Climatology Office, Columbia.

	AL	AR	GA	IL	IN	KY	MS	MO	SC	Total
F3	0	0	0	0	1	0	0	0	0	1
F2	0	0	8	0	0	2	0	0	3	13
F1	0	2	2	3	3	0	2	2	1	15
FO	1	1	0	1	0	3	1	1	0	8
T.	1	3	10	4	4	5	3	3	4	37

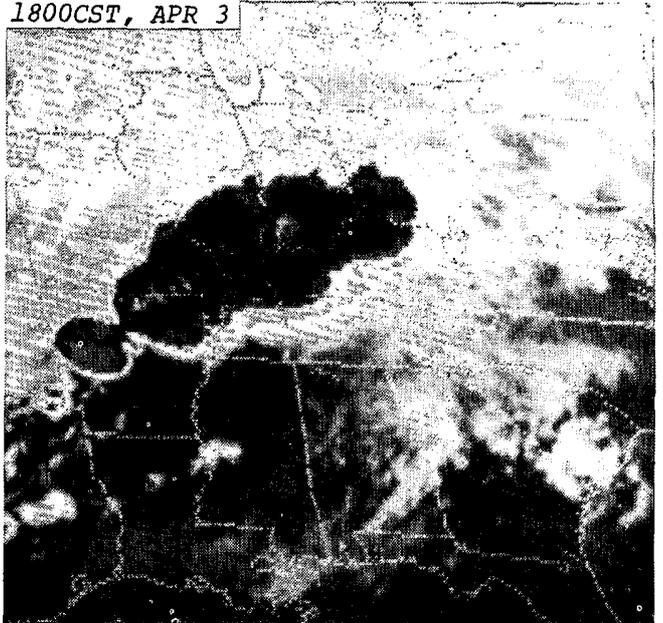
LEFT: Distribution of April 3-4, 1989 tornadoes by state and maximum F scale intensity.

PAGES 7 AND 8: A sequence of GOES 7 satellite, infrared images taken every three hours from 0900CST on April 3rd to 1800CST on the 4th show the outbreak's thunderstorm line as it underwent several redevelopment cycles during its slow migration southward. Cells within the line moved generally east-northeast along the line, except in the earliest hours when movement was more due east. ---Photos from NESDIS, Washington, DC.

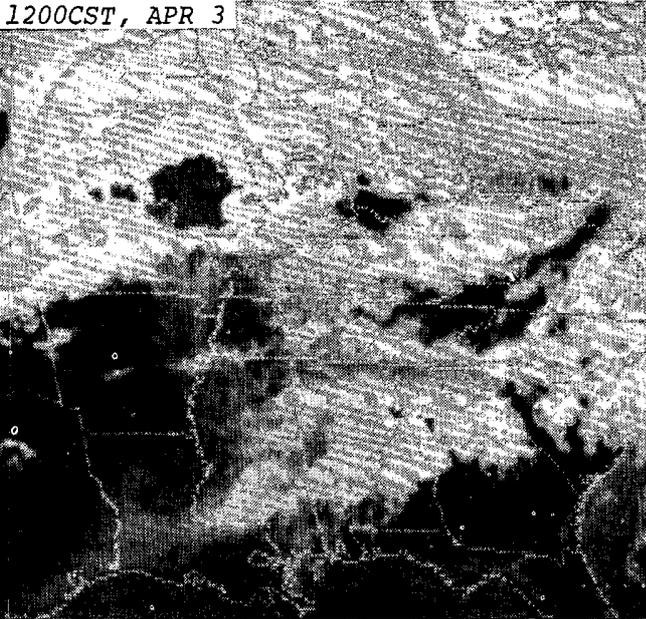
0900CST, APR 3



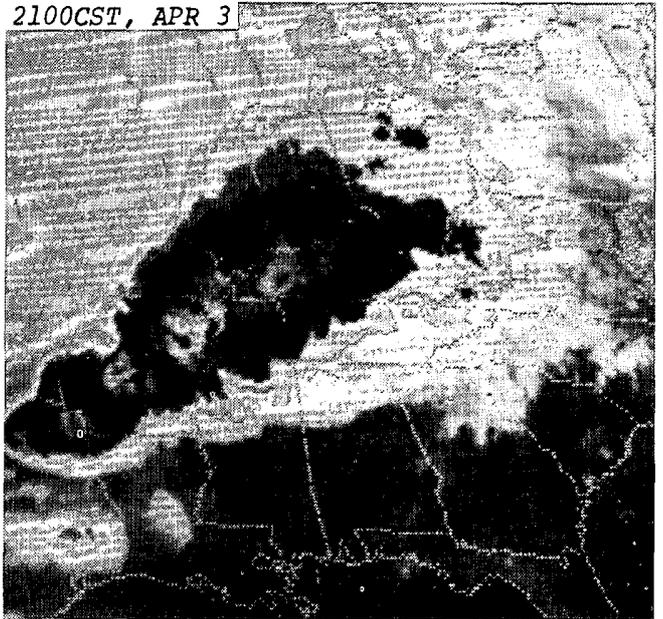
1800CST, APR 3



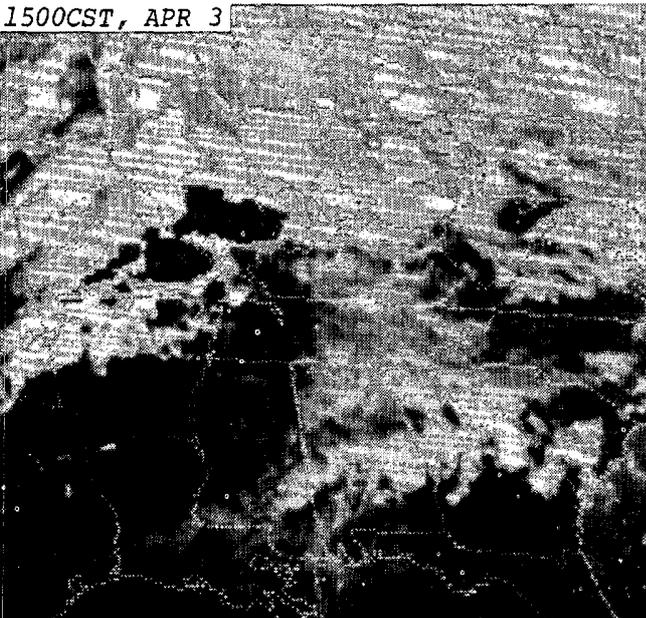
1200CST, APR 3



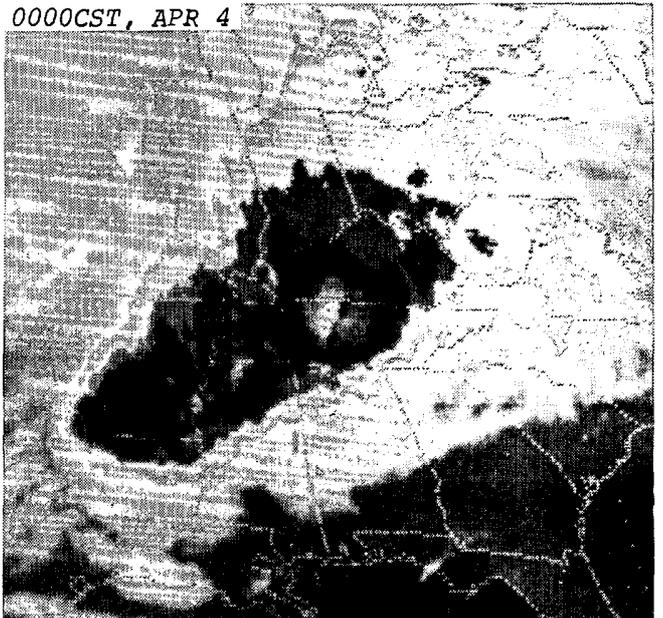
2100CST, APR 3



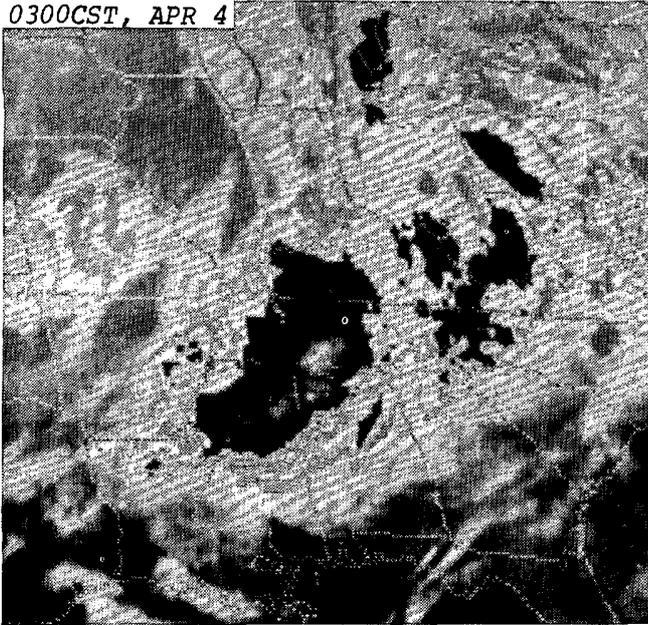
1500CST, APR 3



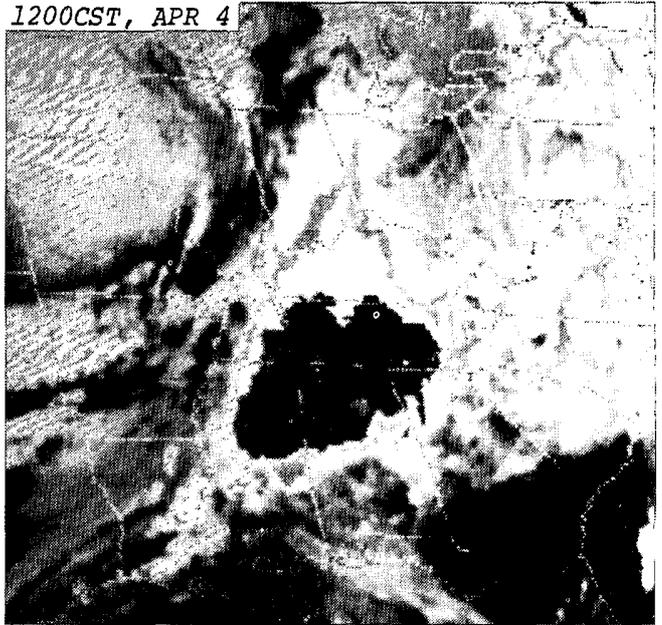
0000CST, APR 4



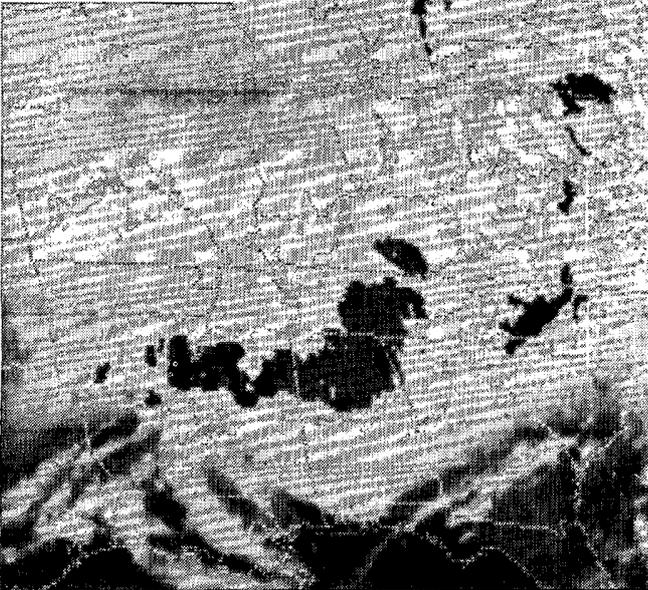
0300CST, APR 4



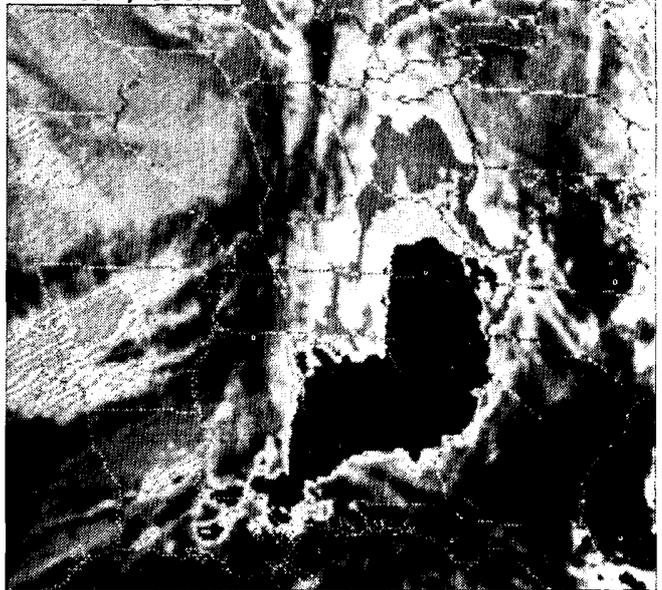
1200CST, APR 4



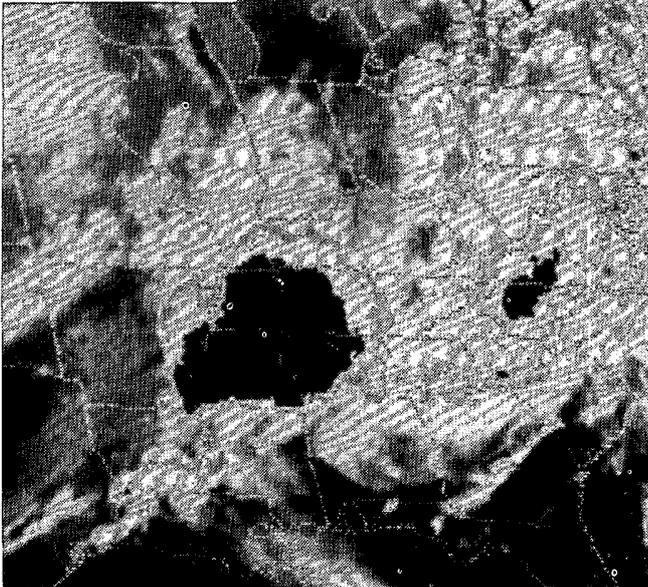
0600CST, APR 4



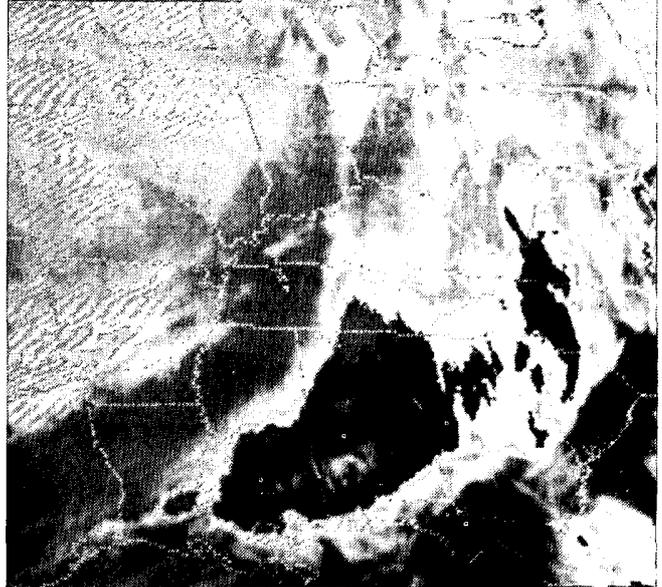
1500CST, APR 4

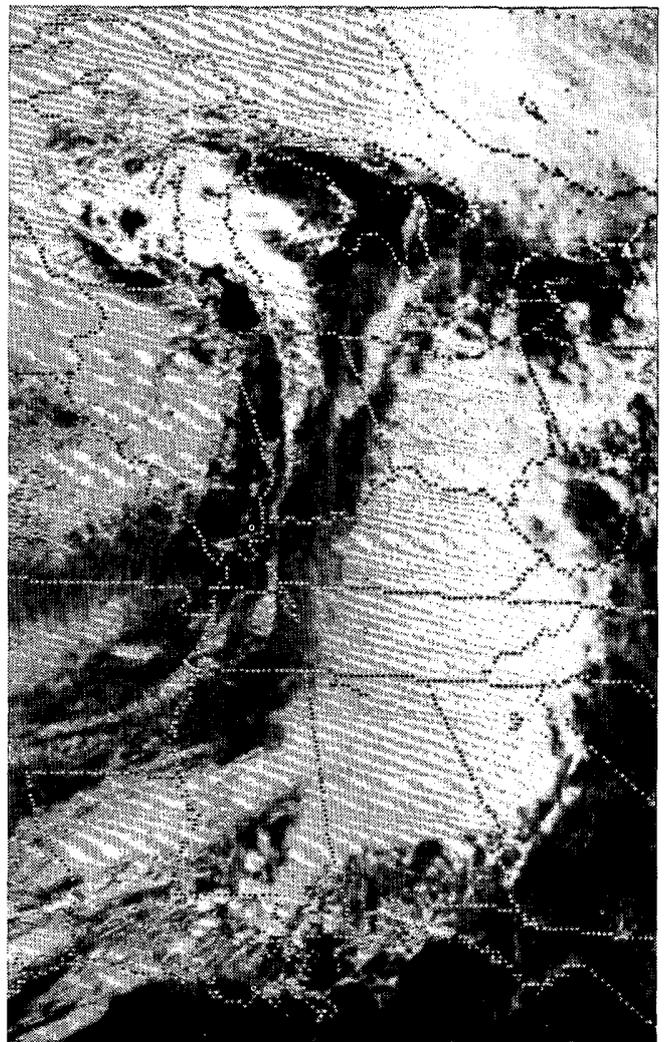
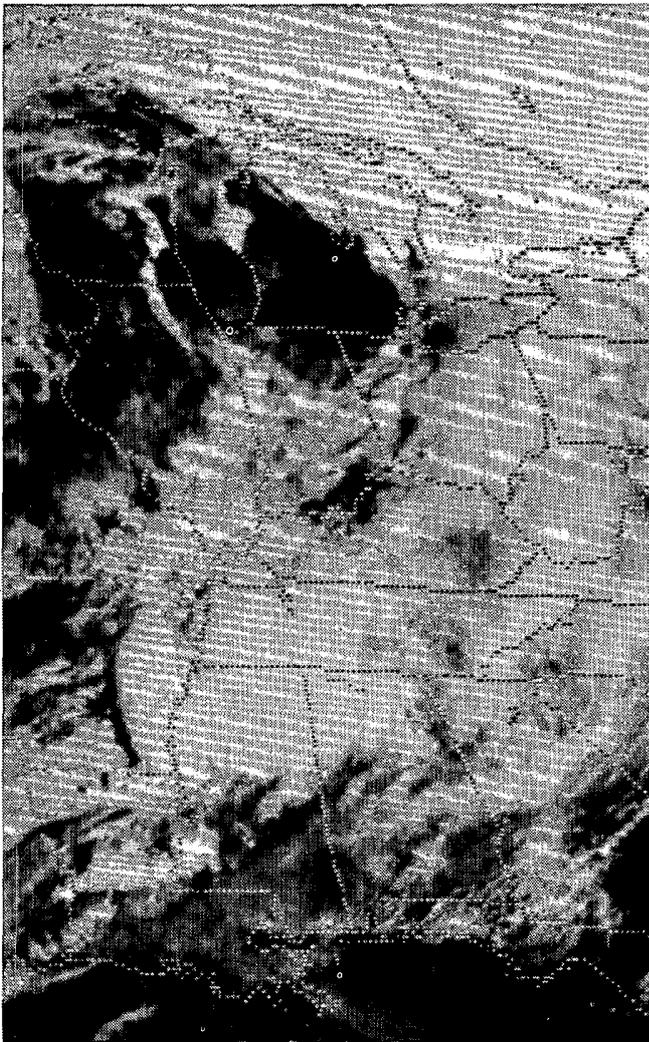


0900CST, APR 4



1800CST, APR 4

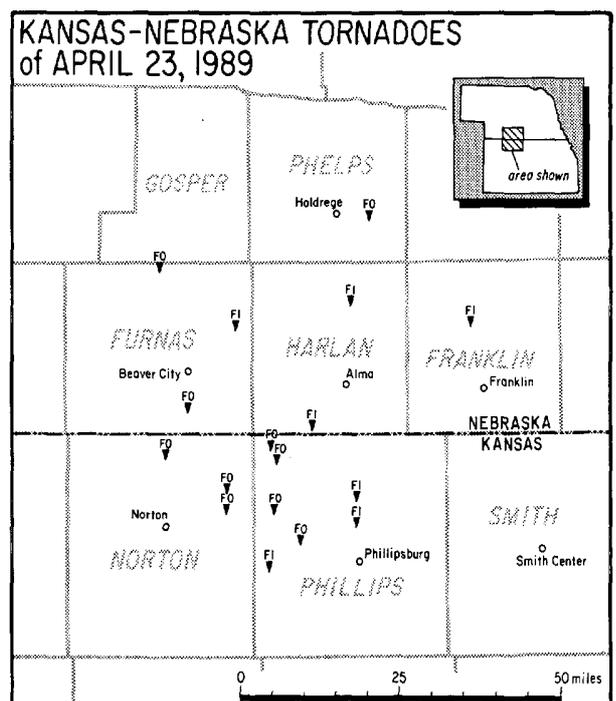




Two visible images from the GOES 7 satellite taken on April 4th at 1030CST (left) and 1430CST (right) reveal that although the storm line moved south while spreading eastward during the day, anvil material was being carried north by the winds aloft. The center of the outbreak-triggering mid-latitude cyclone passed eastward through southern Wisconsin during the period, as shown by the typical comma cloud pattern evident over the Great Lakes region in the 1430CST image. ---Photos from NESDIS, Washington, DC.

2. TORNADES in KANSAS and NEBRASKA on April 23, 1989

During the evening of April 23rd, a single slow-moving thunderstorm formed along the Kansas-Nebraska border and spawned an unusual cluster of 17 tornadoes in a relatively small area comprised of 6 counties: Phelps, Furnas, Harlan and Franklin in Nebraska, and Norton and Phillips in Kansas. Sixteen of the tornadoes occurred within the period of an hour and a half between 1700 and 1830 CST; the last tornado occurred an hour later at 1930CST in Franklin County, Nebraska. The majority of the tornadoes, especially those in Kansas, apparently formed on the storm's flanking line since most of the rain and hail associated with the parent cell fell in Nebraska. All of the tornadoes were brief, none having traveled more than eight-tenths of a mile. They were also weak, causing little or no damage. Of ten in Kansas, 3 were F1 in intensity and 7 were F0; and of 7 in Nebraska, 4 were F1 and 3 were F0. Interestingly, as many as four tornadoes were observed in contact with the ground at the same time in Phillips County.



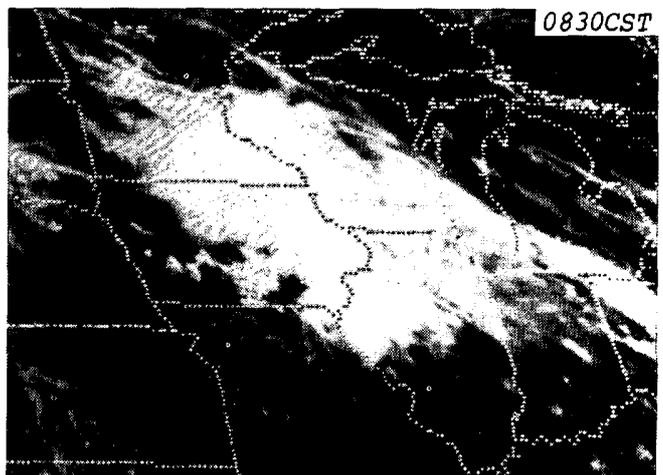
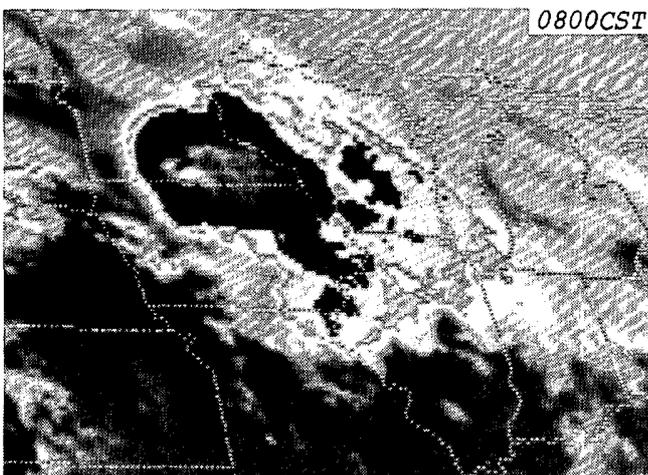
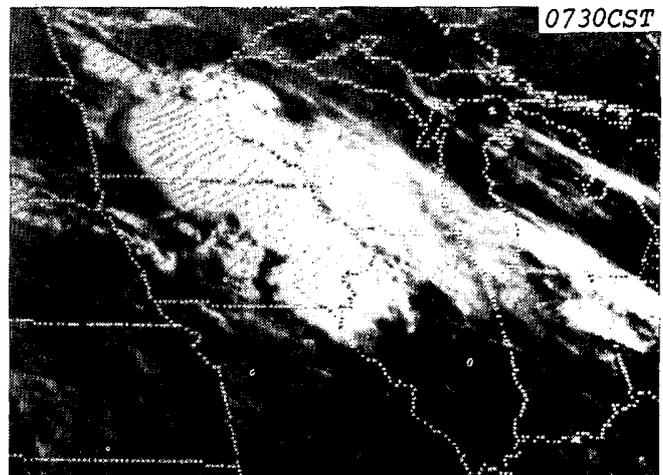
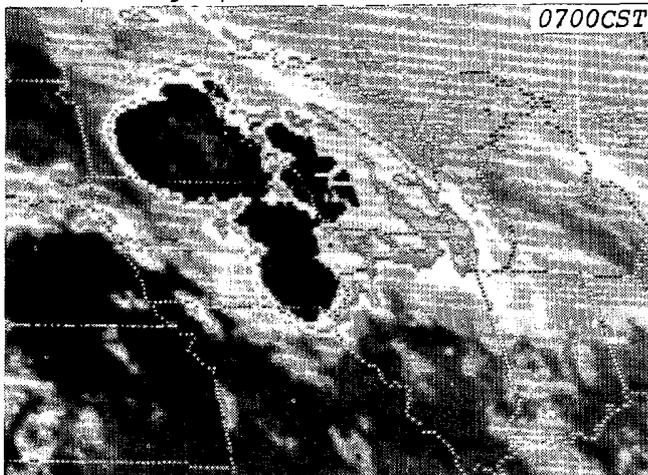
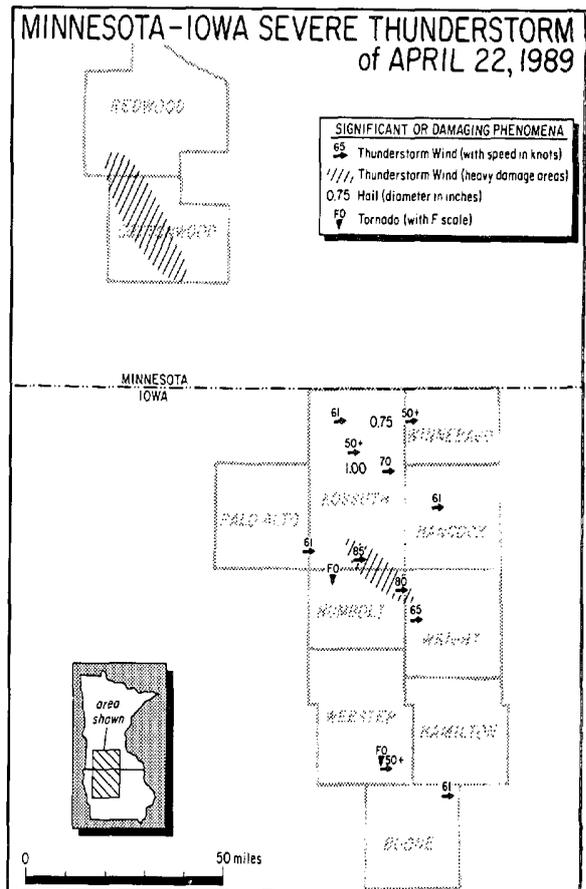
Distribution of reported tornadoes occurring in Kansas and Nebraska on April 23, 1989. ---Graphic by the University of Chicago from data supplied by NWSFO's at Topeka, Kansas and Omaha, Nebraska.

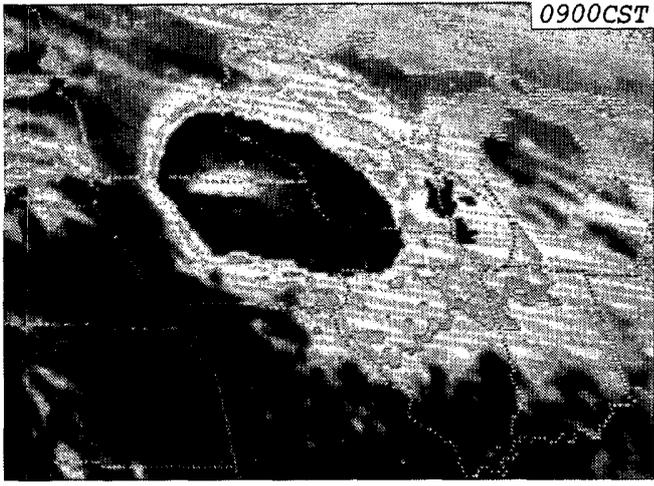
3. THUNDERSTORM WINDS in MINNESOTA and IOWA on April 22, 1989

Powerful thunderstorm winds estimated at up to 100 mph swept through portions of southwest Minnesota and north-central Iowa during the morning of April 22nd as a highly-developed supercell, probably of the MCC (mesoscale convective complex) type, steered southeastward across the area while feeding on the moisture of other weaker storm cells upstream. In Minnesota the winds created a path of damage from north of Walnut Grove in southern Redwood County to south of Windom in southern Cottonwood County that was approximately 35 miles long and 15 miles wide. Across the area there were 49 separate reports of damage including property and livestock that totaled to nearly one million dollars in value. In Iowa the toll was much higher. Wind damage was more widespread in the state, but Kossuth and Humbolt counties suffered the worst. Damage was especially strong and concentrated in the area from St. Joseph in southern Kossuth County to near Renwick in northeast Humbolt County. In Kossuth County alone about 40 percent of the farms received major damage, which amounts to about 300 farmsteads. The estimated loss due to damage ran about 15 million dollars in the county. Estimated losses of 9 million and 3 million dollars were reported for Humbolt and Wright counties, respectively. Aside from the winds, there were also reports of large hail and two small tornadoes, but these contributed little in the way of damage.

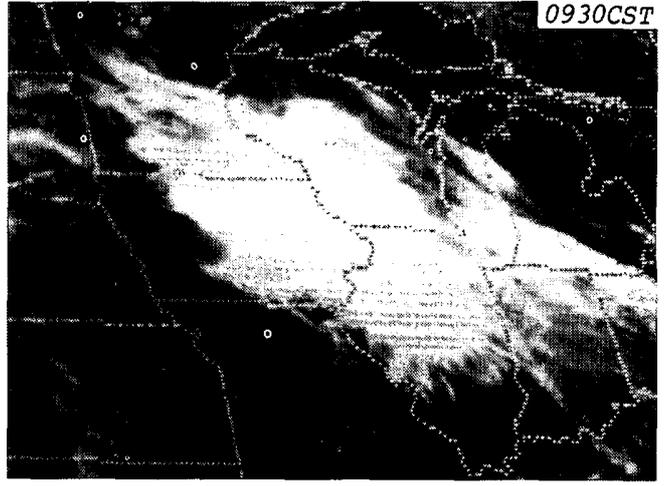
RIGHT: Distribution of severe thunderstorm phenomena and areas of heavy wind damage in southwest Minnesota and north-central Iowa occurring during the morning of April 22, 1989. Only affected counties are indicated. ---Graphic by the University of Chicago from data supplied by NWSFO's at Des Moines, Iowa and Minneapolis, Minnesota.

Below and on the following page, the supercell storm of April 22nd is depicted in two, hourly sequences of GOES 7 satellite images, infrared taken on the hour (left column) and visible on the half hour (right column). ---Photos from NESDIS, Washington, DC.

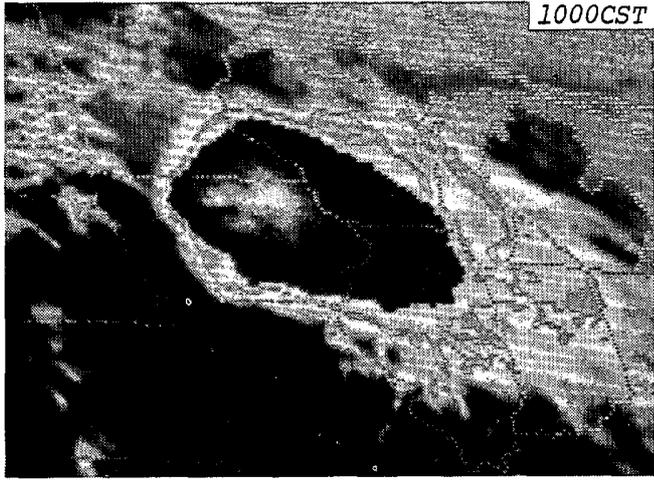




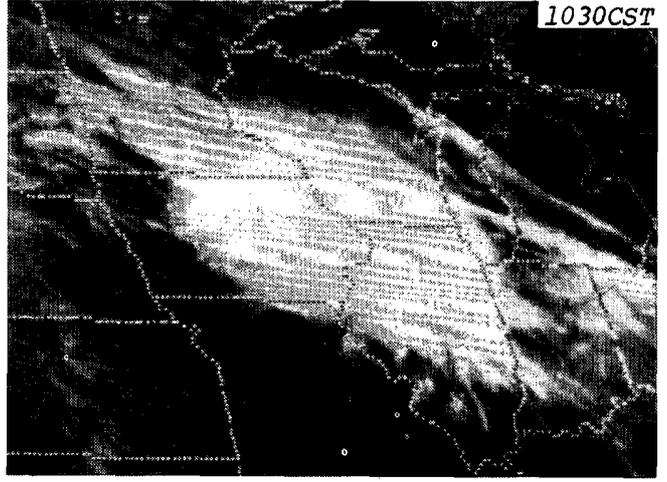
0900CST



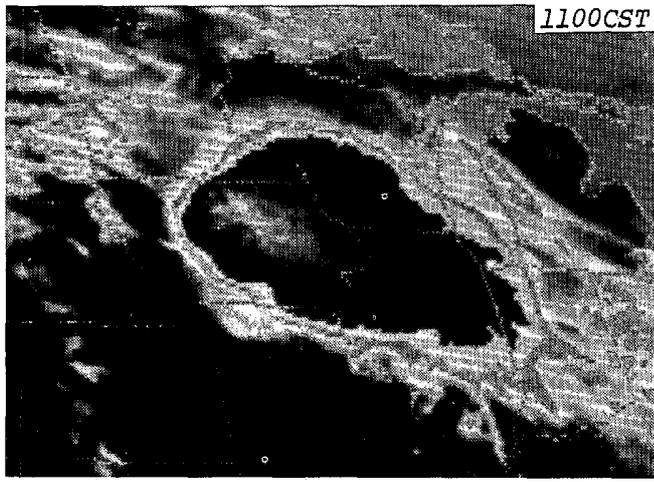
0930CST



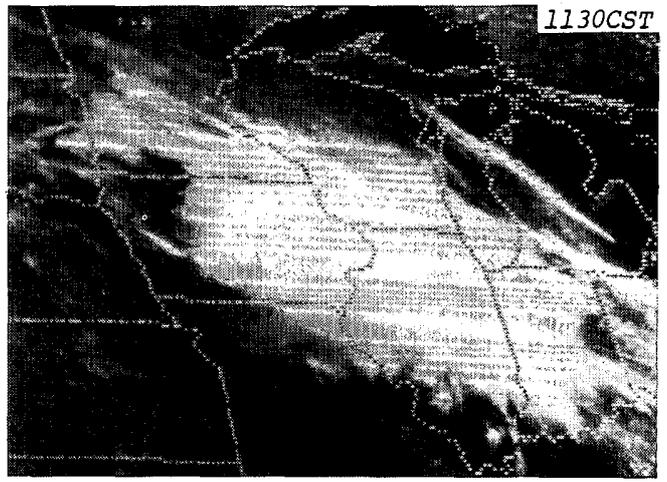
1000CST



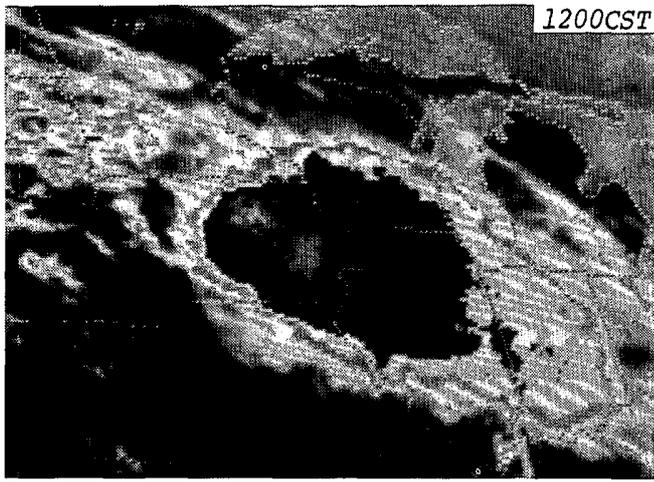
1030CST



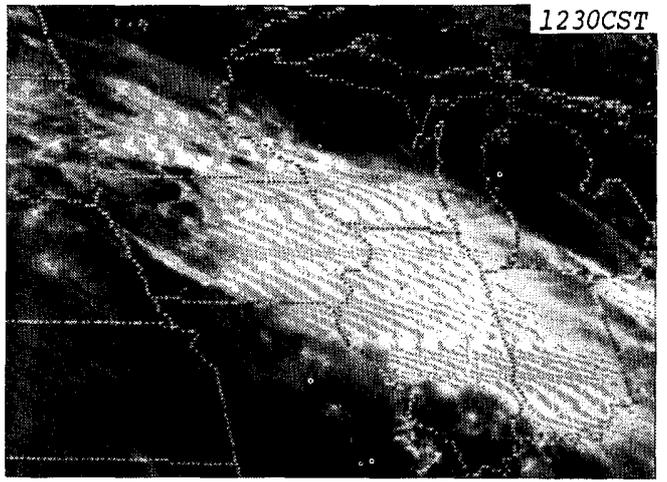
1100CST



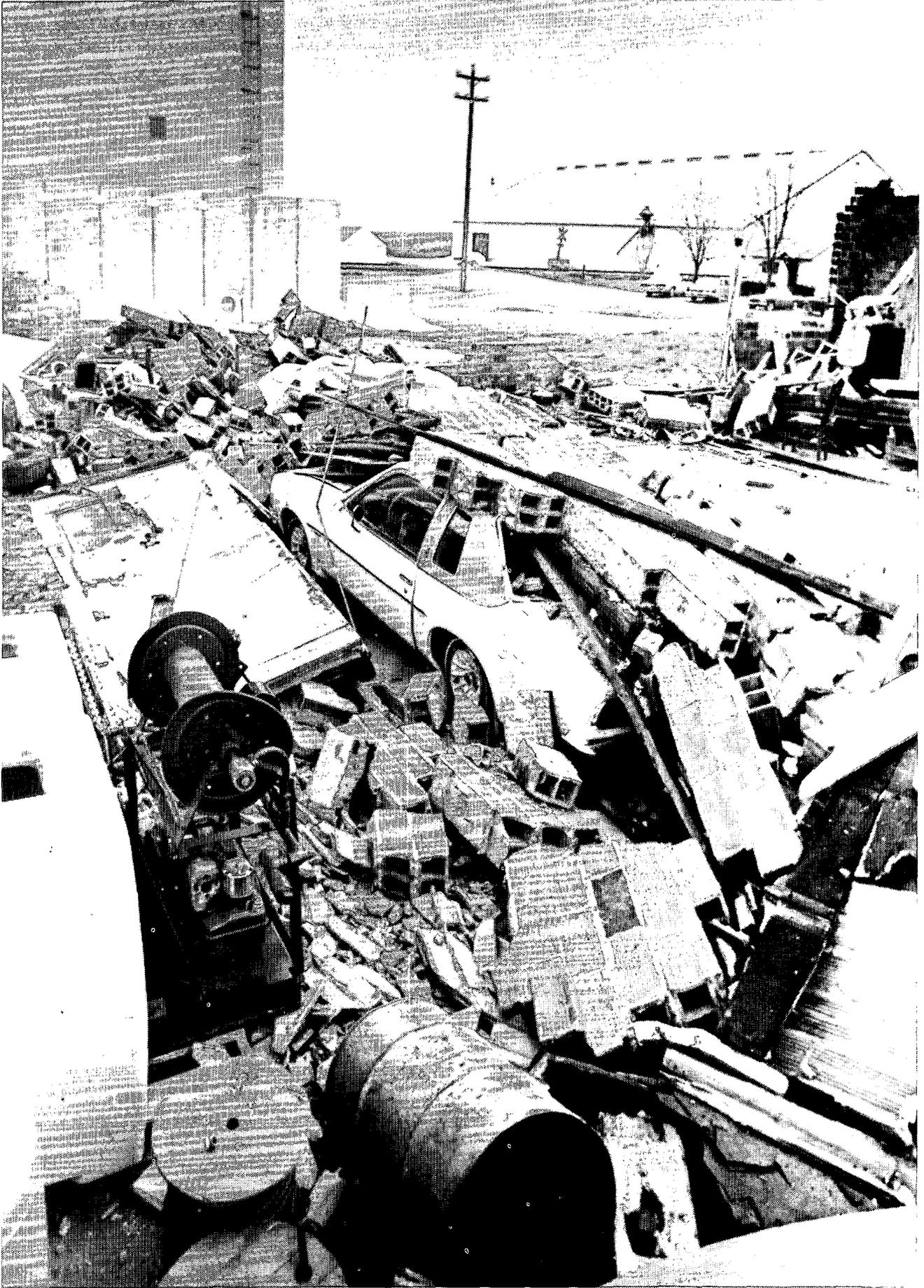
1130CST



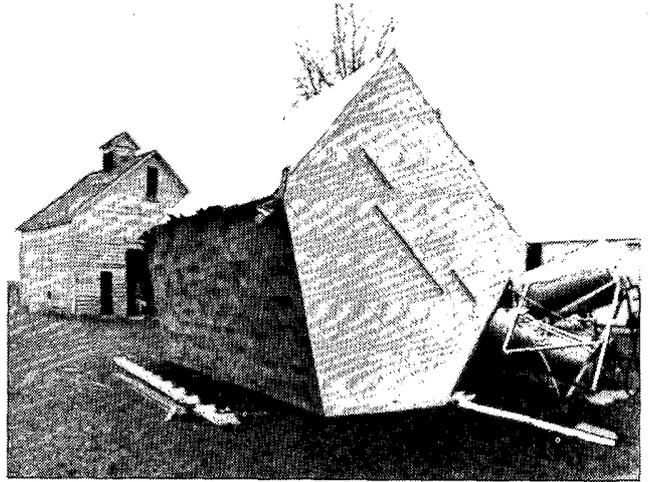
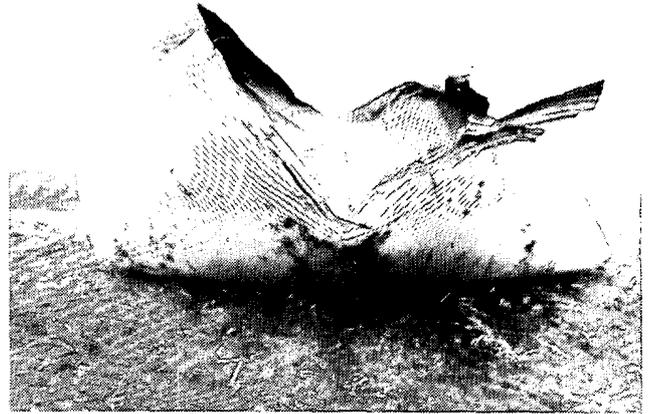
1200CST



1230CST



A car lies buried beneath the debris of a collapsed concrete block wall at the Farmers Bode Cooperative Elevator in northern Humboldt County, Iowa. The Bode area encountered both strong thunderstorm winds and a small tornado during the April 22nd storm.



At the Earling Olson farm near Bode above, debris from the farm's buildings, farm equipment, and even a grain bin shown in the distance was tossed about. The 5400 pound grain bin, shown close up at upper right, was thrown 200 yards into a field. At right is an outbuilding on the farm that was toppled over, yet for the most part remained intact. Below, a home in Bode had its roof completely torn off by the winds.



---All photos on pages 12 and 13 are by John Stegman and Doug Linder, The Algona Upper Des Moines, Algona, Iowa.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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									
Marion County	04	0220CST			0	0	?	?	TSTM Wind Numerous trees and power lines were blown down in Marion County. In the Hamilton area trees caused extensive damage to houses and a mobile home. Roof and window damage was also extensive at many other buildings throughout the area.
Walker County	04	0230CST			0	0	?	?	TSTM Wind Trees were uprooted at Eldridge.
Lamar County	04	0240CST			0	0	?	?	TSTM Wind Trees were blown down at scattered locations throughout the county.
Colbert County	04	0250CST			0	0	?	?	TSTM Wind Power lines were blown down at Sheffield.
Lawrence County	04	0253CST			0	0	?	?	TSTM Wind Trees, power lines, and signs were blown down at Moulton.
Winston County	04	0300CST			0	0	?	?	TSTM Wind At Haleyville numerous trees and power lines were blown down. The trees flattened a mobile home and damaged numerous houses and chicken houses.
Morgan County	04	0320CST			0	0	0	0	Hail (0.75) Dime size hail fell in the southwest part of the City of Decatur.
Cullman County	04	0335CST			0	0	?	?	TSTM Wind
	04	0340CST			0	0	?	?	TSTM Wind Trees were blown down about 6 miles southeast of the City of Cullman. One tree fell across the front of an old motel that had been converted to apartments. At 0340CST a large tree was blown onto a mobile home at Fairview.
Morgan County	04	0340CST			0	0	?	?	TSTM Wind At Hartselle uprooted trees damaged five parked vehicles at a car dealership.
Marshall County	04	0420CST			0	0	?	?	Hail (1.00) Quarter size hail fell at Claysville about 5 miles northeast of Guntersville.
DeKalb County	04	0430CST			0	1	?	?	TSTM Wind A mobile home was destroyed one mile southeast of Collinsville. One person in the mobile home was slightly injured. Also a roof was blown off a barn, trees were blown down, and a car was moved about five feet by wind.
Cullman County	04	1000CST			0	0	?	?	TSTM Wind Trees were uprooted at Arkadelphia and Bremen.
Marshall County	04	1000CST			0	0	?	?	Hail (0.75)
	04	1035CST			0	0	?	?	Hail (0.75) Dime size hail fell at Warrenton and Albertville.
Pickens County	04	1000CST			0	0	?	?	TSTM Wind Thunderstorm winds blew part of the roof off a canopy of a truck stop and restaurant at Gordo.
Fayette County	04	1020CST			0	0	?	?	TSTM Wind At Fayette a utility pole was driven through the windshield of a truck. Trees were uprooted and power lines were blown down in the same area.
DeKalb County	04	1045CST			0	0	?	?	Hail (1.00) Quarter size hail fell at Rainsville.
Tuscaloosa County	04	1105CST			0	0	?	?	TSTM Wind Power lines were blown down at Buhl.
Pickens County	04	1107CST			0	0	?	?	TSTM Wind Trees were blown down at Carrollton.
Tuscaloosa County	04	1110-1120CST			0	8	6	?	TSTM Wind Straight-line thunderstorm winds caused extensive damage in and nearby the City of Tuscaloosa. The winds were estimated at 80 to 100 mph. Three unoccupied mobile homes were destroyed in Brookwood. In Tuscaloosa numerous trees, power lines, and utility poles were blown down. Several businesses in a Tuscaloosa mall received heavy damage where the roof of a large department store collapsed. The roof was blown from a building at the University of Alabama. Eight persons were treated for minor injuries from flying debris. Damage estimates were placed at around 1 million dollars.
Walker County	04	1110CST			0	0	?	?	Hail (1.75) Golf ball size hail fell at Dora.
Jefferson County	04	1130-1200CST			0	0	?	0	TSTM Wind (69)
	04	1130CST			0	0	?	?	Hail (0.75) Straight-line thunderstorm winds caused extensive damage throughout the Birmingham and Jefferson County area. An estimated 300 trees and numerous billboards were blown down within Birmingham. Several apartments in an apartment complex were unroofed. Also numerous buildings received minor to moderate damage. At 1130CST dime size hail fell at Birminghamport.
ALABAMA									
Saint Clair County	04	1200CST			0	0	?	?	TSTM Wind
	04	1200CST			0	0	?	?	Hail (1.75) Trees and power lines were blown down in the Pell City and Leeds areas. Several trees fell onto houses, causing minor damage. Also, golf ball size hail fell at Pell City.
Shelby County	04	1200CST			0	0	?	?	TSTM Wind Car windows were blown out at a hospital parking lot in Alabaster. Several large trees were blown down in the northern part of Shelby County and at Montevallo.
Talladega County	04	1200CST			0	0	?	?	TSTM Wind Trees were blown down in the Lincoln area.
Bibb County	04	1203CST			0	0	?	?	TSTM Wind Trees were blown down 5 miles north of Centreville.
Etowah County	04	1212CST			0	0	?	?	TSTM Wind Trees were uprooted at Southside.
Calhoun County	04	1215CST			0	0	?	?	Hail (0.75)
	04	1231CST			0	8	?	?	TSTM Wind (G70) At 1215CST dime size hail fell at Anniston. At 1231CST a wind gust to 70 mph was recorded at the Calhoun County Emergency Management Agency. The straight-line thunderstorm winds destroyed several houses, tore the roofs off several buildings, and extensively damaged five mobile homes. Throughout the Anniston area trees and power lines were blown down. Eight persons were slightly injured by flying debris.
Shelby County	04	1230CST			0	0	?	?	TSTM Wind Trees were blown down on the Shelby County side of Lay Lake.
Chilton County	04	1240CST			0	0	?	?	TSTM Wind A roof was blown off a mobile home near Lay Lake.
Coosa County	04	1250CST			0	0	?	?	TSTM Wind
	04	1300CST			0	0	?	?	TSTM Wind
	04	1315CST			0	0	?	?	TSTM Wind At 1250CST thunderstorm winds damaged the roof vents of a home in Stewartville. Trees and power lines were also blown down in the same area. At 1300CST trees were uprooted at Hanover. At 1315CST trees were blown down at Kallytton.
Marengo County	04	1300CST			0	0	?	?	Hail (1.75) Golf ball size hail fell 4 miles south of Demopolis.
Randolph County	04	1300CST			0	0	?	?	TSTM Wind Trees were blown down and a chicken house was damaged at Newell.
Calhoun County	04	1315CST			0	0	?	?	TSTM Wind Trees and power lines were blown down and one mobile home was destroyed at Weaver. There were no injuries.
Clay County	04	1315CST			0	0	?	?	TSTM Wind Trees were uprooted at Cheaha State Park in northern Clay County. A home was damaged in the same area.
Cleburne County	04	1315CST			0	0	?	?	TSTM Wind The roof was damaged at the Ranburne City Hall. Also trees were blown down at Fruithurst.
Montgomery County	04	1315CST			0	0	?	?	Hail (1.75)
	04	1320CST			0	0	?	?	Hail (1.75)
	04	1325CST			0	0	?	?	Hail (1.75)
	04	1350CST			0	0	?	?	Hail (1.25)
	04	1437CST			0	0	?	?	Hail (1.00) Quarter to golf ball size hail fell between 1315CST and 1437CST mostly over the northern and eastern parts of the City of Montgomery.
Autauga County	04	1330CST			0	0	?	?	Hail (0.75)
	04	1435CST			0	0	?	?	TSTM Wind Dime size hail fell at Billingsley at 1330CST and trees were blown down at Bonita at 1435CST.
Choctaw County	04	1335CST			0	0	?	?	Hail (0.75)
	04	1430CST			0	0	?	?	Hail (0.75)
	04	1500CST			0	0	?	?	Hail (0.75) Dime size hail fell at Yantley at 1335CST. At 1430CST nickel size hail fell at Pennington. At 1500CST nickel size hail fell at Gilberttown.
Dallas County	04	1345CST			0	0	?	?	Hail (1.75)
	04	1350CST			0	0	?	?	Hail (1.75)
	04	1500CST			0	0	?	?	Hail (1.00) At 1345CST golf ball size hail fell at Summerfield. At 1350CST golf ball size hail fell at Marion Junction. At 1500CST quarter size hail fell at Selma.
Elmore County	04	1400CST			0	0	?	?	Hail (0.75)
	04	1444CST			0	0	?	?	TSTM Wind At 1400CST dime size hail fell at Elmore. At 1444CST power lines were blown down between Eclectic and Claud.
Marengo County	04	1400CST			0	0	?	?	Hail (0.75) Dime size hail fell at Linden.

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PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA									
Tallepoosa County	04	1400CST			0	0	?	?	Hail (1.75)
		Golf ball size hail fell at Reeltown.							
Lee County	04	1420CST			0	0	?	?	Hail (0.75)
	04	1435CST			0	0	?	?	Hail (0.75)
	04	1441CST			0	0	?	?	TSTM Wind
	04	1515CST			0	0	?	?	TSTM Wind
	04	1535CST			0	0	?	?	Hail (0.75)
	04	1541CST			0	0	?	?	TSTM Wind
	04	1554CST			0	0	?	?	Hail (0.75)
	At 1420CST dime size hail fell at Auburn. At 1435CST dime size hail fell at Gold Hill. At 1441CST trees were blown down at Opelika. At 1515CST trees were blown down at Smiths. At 1535CST dime size hail fell 7 miles northeast of Opelika and at 1541CST a tree was blown over a car in the same vicinity. At 1554CST there were numerous reports of dime size hail scattered throughout Lee County.								
Macon County	04	1420CST			0	0	?	?	Hail (0.75)
	Dime size hail fell at Notasulga.								
Washington County	04	1540CST			0	0	?	?	Hail (1.75)
	04	1550CST			0	0	?	?	TSTM Wind
	At 1540CST golf ball size hail fell at Millry damaging vehicles. Also in the same vicinity at 1550CST high winds partially unroofed a store.								
Montgomery County	04	1600CST			0	0	?	?	Hail (0.75)
	Dime size hail fell at Pine Level.								
Pike County	04	1600CST			0	0	?	?	Hail (0.75)
	04	1715CST			0	0	?	?	Hail (0.75)
	Dime size hail was reported on two occurrences at China Grove.								
Lowndes County	04	1620CST			0	0	?	?	Hail (0.75)
	Dime size hail fell at Gordonsville.								
Clarke County	04	1640CST			0	0	?	?	Hail (1.75)
	04	1825CST			0	0	?	?	Hail (0.75)
	At 1640CST golf ball size hail fell at Grove Hill. At 1825CST dime size hail fell at Jackson.								
Wilcox County	04	1640CST			0	0	?	?	TSTM Wind
	Large trees were blown down at Camden.								
Mobile County	04	1835CST			0	0	?	?	TSTM Wind
	04	1950CST			0	0	?	?	Hail (0.75)
	04	2029CST	0.3	25	0	0	4	?	Tornado (F0)
	At 1835CST trees were blown down 3 miles north of Citronelle. At 1950CST dime size hail fell at Wilmer. At 2029CST a small and short-lived tornado touched down just west of Interstate 65 in west Mobile then moved east-southeast a short distance. Trees and power lines were blown down in west Mobile. Several businesses received moderate damage in the same area. Damage estimates were placed at 6 thousand dollars.								
Baldwin County	04	2115CST			0	0	?	?	TSTM Wind
	A mobile home had windows broken and a small shed had some portions of the roof removed by straight-line winds.								
Bibb County	05	1730CST			0	0	?	?	TSTM Wind
	Trees were blown down at Centreville.								
Jefferson County	05	1730CST			0	0	?	?	TSTM Wind
	Trees were blown down on the south side of Birmingham.								
Marengo County	05	1730CST			0	0	?	?	TSTM Wind
	In Demopolis an awning was blown off a building and a dumpster was overturned.								
Shelby County	05	1730CST			0	0	?	?	TSTM Wind
	Trees were blown down at Calera.								
Mobile County	28	1310CST			0	0	?	?	Hail (0.75)
	Dime size hail fell at Axis.								
Colbert County	30	1330CST			0	0	?	?	TSTM Wind
	30	1330CST			0	0	?	?	Hail (0.75)
	At Barton several trees were blown down and dime size hail covered the ground.								
2 ARIZONA ————— NONE REPORTED									
3 ARKANSAS									
Carroll Co.	03	1542CST			0	0	?	?	Hail (1.75)
	2 S Berryville								
Boone Co.	03	1552CST			0	0	?	?	Hail (1.75)
	5 NW Harrison								
Madison Co.	03	1610CST			0	0	?	?	Hail (1.50)
	Drakes Creek								
Marion Co.	03	1624CST			0	0	?	?	Hail (1.75)
	Bruno								
Boone Co.	03	1631CST			0	0	5	?	Hail (1.75)
	The hail that hit the Harrison area was particularly bad for one car dealership, where golfball size hail damaged 250 cars on the lot. No exact value was given for the damage, but estimates were over \$50,000.								
Newton Co.	03	1650CST			0	0	0	0	Funnel Cloud
	5 W Jasper								
Newton Co.	03	1700CST			0	0	?	?	Hail (1.75)
	Jasper								
Franklin Co.	03	1723CST			0	0	?	?	Hail (0.75)
	Charleston								
Newton Co.	03	1730CST			0	0	?	?	Hail (2.00)
	Jasper								
Stone Co.	03	1730CST			0	0	?	?	Hail (1.75)
	2 N Mountain View								
Sebastian Co.	03	1739CST			0	0	?	?	Hail (1.75)
	Hartford								
Izard Co.	03	1740CST			0	0	?	?	Hail (1.75)
	Guion								
Stone Co.	03	1750CST			0	0	?	?	Hail (1.75)
	Mountain View								
Izard Co.	03	1757CST			0	0	?	?	Hail (0.75)
	Mt. Pleasant								
Logan Co.	03	1758CST			0	0	?	?	Hail (1.75)
	Paris								
Independence Co.	03	1810CST			0	0	?	?	Thunderstorm Winds
	AP&L reported trees and power lines down by high winds from near Cushman to just south of Cave City.								
Scott Co.	03	1813CST			0	0	?	?	Hail (1.75)
	Waldron								
Independence Co.	03	1830CST			0	0	?	?	Hail (1.75)
	Bethesda								
Conway Co.	03	1900CST			0	0	5	?	Thunderstorm Winds
	A severe thunderstorm ripped through the Robertsville area of northwest Conway County. One residence bore the brunt of the storm, as high winds knocked down over 45 large pine trees. Two chicken houses at the residence were heavily damaged, and over 2,000 one-day old chicks inside were killed. Overall, property damage was over \$50,000.								
Jackson Co.	03	1910CST			0	0	?	?	Thunderstorm Winds
	AP&L reported trees and power lines were downed due to high winds along Highway 18 from just east of Newport to near Grubbs.								
Montgomery Co.	03	1920CST	Short	50	0	0	4	?	Tornado (F0)
	A small tornado touched down briefly just west of Highway 27, 2 1/2 miles south of Story. One outbuilding was destroyed, a barn unroofed, and a number of trees uprooted along the short path of the storm.								
Jackson Co.	03	1930CST	12	100	0	0	?	?	Tornado (F1)
	A tornado traveled 12 miles through Jackson County, but because of the very rural area which the tornado moved through, damage was light. The twister touched down 3 miles west of Weldon, and moved to the northeast. Most of the damage occurred to power lines; however, several outbuildings and barns were destroyed in the Algoa area. The twister lifted a mile and a half south of Midway.								
Poinsett Co.	03	1942CST			0	0	?	?	Thunderstorm Winds
	High winds downed power lines in extreme western parts of the county. Elsewhere, four poles used by AP&L were destroyed near Harrisburg.								

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
— ARKANSAS											
Craighead Co. Jonesboro Bono	03	1950CST			0	0	5	?	?	Thunderstorm Winds	
	03	1950CST			0	0	?	?	?	Thunderstorm Winds	
	<p>More than a dozen businesses were damaged when a severe thunderstorm passed through Jonesboro. Most of the damage was minor, including damaged roofs and signs blown down. However, some of the damage was more significant, including the destruction of a mobile home, and the unroofing of a local convenience store. Two residences in Bono also reported damage.</p>										
White Co. Albion Plainview	03	1950CST			0	0	4	?	?	Thunderstorm Winds	
	03	1950CST			0	0	?	?	?	Thunderstorm Winds	
	<p>A mobile home was destroyed by violent winds that tore through the Albion area of White County. A back wall was the only thing left standing. Elsewhere, several trees were downed in the Plainview-Providence area.</p>										
Little River Co. Foreman	03	1952CST			0	0	?	?	?	Hail (1.75)	
Craighead Co. Jonesboro	03	1955CST			0	0	?	?	?	Hail (1.00)	
Sevier Co. Horatio	03	2010CST			0	0	?	?	?	Hail (1.00)	
Howard Co. Nashville Tollette	03	2012CST			0	0	?	?	?	Hail (1.25)	
Hempstead Co. Fulton	03	2015CST			0	0	?	?	?	Hail (1.00)	
Hot Spring Co.	03	2015CST			0	0	?	?	?	Thunderstorm Winds	
	<p>AP&L reported trees and power lines were downed along Highway 9, 8 to 10 miles south of Malvern.</p>										
Hot Spring Co. Donaldson	03	2025CST			0	0	?	?	?	Hail (1.75)	
Saline Co.	03	2025CST			0	0	5	?	?	Hail (3.00) Thunderstorm Winds	
	<p>A severe thunderstorm swept through Saline County and caused damage in a number of areas. Several outbuildings were damaged due to the wind at Salem. Minor damage occurred at the Fairplay community to outbuildings, and several trees were downed. The main damage came from the hail that fell, in spots larger than baseballs. Insurance agents from around Saline County reported over 250 claims filed for damage. Most of the damage occurred to cars and roofs of buildings. Most crops in the area had little leafage exposed, as it was still early in the season. Because of this, damage to crops was minor.</p>										
Mississippi Co.	03	2030CST			0	0	4	?	?	Thunderstorm Winds	
	<p>Trees were uprooted and farm buildings destroyed as violent thunderstorm winds ripped through a farm located several miles west of Wilson.</p>										
Pulaski Co. 2 W Little Rock	03	2037CST			0	0	?	?	?	Hail (0.75)	
Miller Co. Texarkana	03	2040CST			0	0	?	?	?	Hail (1.75)	
Hot Spring Co.	03	2045CST			0	0	4	?	?	Hail (1.75)	
	<p>A large swath of golfball size hail fell in Hot Spring Co. in an area from Bismarck to Friendship. The hail did a considerable amount of damage to roofs, cars, and outbuildings. A few spots had hail fall for 10 to 15 minutes, and the hail completely covered the ground.</p>										
Mississippi Co.	03	2046CST	4	100	0	0	5	?	?	Tornado (F1), TSTM Wind	
	<p>A tornado moved through southeast Mississippi County, and downed three AP&L transmission towers built to withstand 110 mph winds. These towers were located between Wilson and the Mississippi River levee. In the same area, a tractor-trailer was overturned on Interstate 55 near Osceola, and a nearby farm reported several tractors overturned and a few farm buildings damaged.</p>										
Saline Co. Sardis 2 NW Benton	03	2050CST			0	0	?	?	?	Hail (0.75)	
Hot Spring Co. 8 N Arkadelphia	03	2106CST			0	0	?	?	?	Hail (1.75)	
Grant Co.	03	2115CST			0	0	?	?	?	Thunderstorm Winds	
	<p>Winds downed trees along U.S. Highway 270, just east of Sheridan.</p>										
— ARKANSAS											
Grant Co.	03	2120CST			0	0	?	?	?	Thunderstorm Winds	
	<p>High winds downed power lines at Foyen.</p>										
Jefferson Co.	03	2125CST			0	0	?	?	?	Thunderstorm Winds	
	<p>High winds downed trees and power lines in the northern part of Jefferson County.</p>										
Craighead Co.	03	2128CST			0	0	5	?	?	Thunderstorm Winds	
	<p>AP&L reported a number of power lines down between Cash and Gibson. Three transmission towers were also downed by the winds. Damage to AP&L alone was \$150,000.</p>										
Grant Co.	03	2130CST			0	0	?	?	?	Thunderstorm Winds	
	<p>High winds downed power lines at Prattsville.</p>										
Clark Co. 5 NW Arkadelphia	03	2135CST			0	0	?	?	?	Hail (1.00)	
Jefferson Co. 4 NW White Hall	03	2150CST			0	0	?	?	?	Hail (0.75)	
Miller Co. 5 SE Texarkana	03	2150CST			0	0	?	?	?	Hail (1.00)	
Jefferson Co. 1 N White Hall	03	2154CST			0	0	?	?	?	Hail (0.75)	
Lafayette Co. 5 W Stamps	03	2155CST			0	0	?	?	?	Hail (1.75)	
Jefferson Co.	03	2210CST			0	3	6	?	?	Thunderstorm Winds	
	<p>Severe thunderstorm winds caused over a million dollars in damage to the southwest part of Pine Bluff. Over nine thousand customers of AP&L were left without power as the storms struck. Most of the damage occurred as high winds toppled trees onto houses and cars. One woman suffered six broken ribs and a collapsed lung when a tree fell onto her house. A survey conducted after the storm showed damage occurred in an area 11 blocks wide by 3 miles long.</p>										
Columbia Co. 5 W Waldo Bussey 7 SW Magnolia	03	2215CST			0	0	?	?	?	Hail (1.75)	
	03	2305CST			0	0	?	?	?	Hail (1.75)	
	03	2315CST			0	0	?	?	?	Hail (1.00)	
Miller Co.	03	2315CST			0	0	?	?	?	Hail (1.00)	
	<p>Hail fell from 1115 pm until 1150 pm at the airport in Texarkana.</p>										
Jefferson Co. Pine Bluff	03	2320CST			0	0	?	?	?	Hail (1.75)	
Phillips Co.	03	2325CST			0	0	4	?	?	Thunderstorm Winds	
	<p>Very strong winds associated with a severe thunderstorm swept through Helena and caused extensive damage to a two story building that was destined to become a museum. The building was a former home of a legendary blues musician.</p>										
Columbia Co. 1 N Waldo	04	0110CST			0	0	?	?	?	Hail (1.75)	
All of Arkansas	11	early morning			0	0	0	?	?	Late Season Cold	
	<p>An unusually cold air mass, straight from the Arctic regions north of Canada brought record-breaking cold to the state of Arkansas. Fourteen cities around the state broke or tied record lows for the date, with seven cities recording the coldest temperature ever for so late in the season. Low temperatures around Arkansas ranged from 18 at Gilbert, to 33 at North Little Rock and Blytheville. Most areas had lows in the 20s, and the damage to crops was severe. Peaches and tomatoes were hardest hit, while more cold-tolerant plants like grapes and blueberries fared better. Authorities in northwest Arkansas called it the beginning of the end for the peach business in the area as crops have been destroyed by frost in many recent years. The loss of peaches was nearly 100 percent. In eastern Arkansas, St. Francis County alone lost nearly 5 million dollars due to the cold and frost. Tomato growers in Drew and Bradley counties in southern Arkansas were also devastated, losing up to half of the roughly 15 million dollars worth of tomatoes they produce a year.</p>										
Crawford Co. Cedarville	18	1420CST			0	0	?	?	?	Hail (1.00)	
Montgomery Co.	18	1635CST			0	0	?	?	?	Thunderstorm Winds	
	<p>High winds downed numerous trees in Mount Ida.</p>										

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
— ARKANSAS											
Montgomery Co.	18	1649CST			0	0	5	?			Thunderstorm Winds (61)
											A severe thunderstorm continued to cause damage in and around Mount Ida. Authorities estimated damage at nearly \$250,000. Winds up to 70 miles an hour knocked out power, felled trees, and damaged several outbuildings. The U.S. Forest Service estimated at least 200,000 board feet of timber would be available from trees that were blown in nearby areas of the Ouachita National Forest.
Fike Co. Murfreesboro	18	1745CST			0	0	?	?			Hail (0.75)
Little River Co. 5 W Ashdown	18	2045CST			0	0	?	?			Hail (1.00)
Miller Co. Mandeville	18	2100CST			0	0	?	?			Hail (1.00)
Lonoke Co. Ward	28	1155CST			0	0	?	?			Hail (1.75)
Pulaski Co. 1 N Jacksonville	28	1235CST			0	0	?	?			Hail (1.75)
Craighead Co. Lake City Monette	28	1245CST			0	0	?	?			Hail (1.75)
Independence Co. 1 S Pleasant Plains	28	1320CST			0	0	?	?			Hail (0.75)
Mississippi Co. Osceola	28	1345CST			0	0	?	?			Hail (0.75)
Mississippi Co. 2 W Frenchmans Bayou	28	1450CST			0	0	?	?			Hail (1.00)
Pulaski Co. 5 W Little Rock	28	1525CST			0	0	?	?			Hail (0.75)
Pulaski Co.	28	1530CST			0	0	?	?			Thunderstorm Winds
											AP&L reported several power lines downed due to high winds around all of Pulaski County.
Bradley Co.	28	1730CST			0	0	?	?			Thunderstorm Winds
											High winds downed several trees between Sumpter and Johnsville.
Union Co. El Dorado	28	1730CST			0	0	?	?			Hail (1.75)
Lincoln Co.	28	1926CST			0	0	?	?			Thunderstorm Winds
											High winds downed power lines at Grady.
Pulaski Co. Morgan	28	1930CST			0	0	?	?			Hail (1.00)
Pulaski Co.	28	1945CST			0	0	?	?			Thunderstorm Winds
											AP&L reported more power lines down in the county due to damaging thunderstorm winds.
Saline Co. Bryant	29	1704CST			0	0	?	?			Hail (1.00)
Saline Co. 1 1/2 NE Bryant	29	1705CST			0	0	?	?			Hail (1.75)
Pulaski Co.	29	1708CST			0	0	?	?			Hail (1.75)
											Golfball size hail fell over many parts of southwest Little Rock. The hail fell in one part of southwest Little Rock for quite a long period from 608 pm until nearly 620 pm. The hail stripped many leaves from the trees in the area, and several roofs were damaged. Dense fog formed in the areas where heavy accumulations of hail fell. Some spots reported up to 2 inches of hail on the ground.
Saline Co. Sardis	29	1720CST			0	0	?	?			Hail (1.75)
Springhill	29	1720CST			0	0	?	?			Hail (1.75)
Bryant	29	1720CST			0	0	?	?			Hail (1.75)
Saline Co. Shannon Hills	29	1720CST			0	0	?	?			Hail (2.00)
Pulaski Co. Landmark	29	1726CST			0	0	?	?			Hail (1.75)
Saline Co. 4 E East End	29	1745CST			0	0	?	?			Hail (1.75)
Saline Co. Sardis	29	1806CST			0	0	?	?			Hail (1.00)
— ARKANSAS											
Pulaski Co. Hensley	29	1813CST			0	0	?	?			Hail (1.00)
Jefferson Co. 1 N Redfield	29	1818CST			0	0	?	?			Hail (1.75)
Grant Co. 8 N Sheridan	29	1830CST			0	0	?	?			Hail (1.75)
Jefferson Co. Sherrill	29	1857CST			0	0	?	?			Hail (1.75)
Jefferson Co. Hardin	29	1901CST			0	0	?	?			Hail (1.75)
Jefferson Co. White Hall	29	1910CST			0	0	?	?			Hail (1.75)
Jefferson Co. 1 N Pine Bluff	29	1914CST			0	0	?	?			Hail (1.75)
Jefferson Co. Pine Bluff	29	1931CST			0	0	?	?			Hail (2.50)
White Hall	29	1931CST			0	0	?	?			Hail (2.50)
											A severe hailstorm struck the Pine Bluff area. Total damage estimates reached the \$30-40 million range. All car dealers in the Pine Bluff area reported damage to more than 90 percent of the cars in stock. This amounted to more than 500 cars. Numerous homes and businesses suffered roof damage. In some neighborhoods, the roof of virtually every home had to be replaced. Several months elapsed before all of the roofs could be repaired. In White Hall, one school suffered \$325,000 in roof damage, while a school in Dollarway had more than \$100,000 in damage. Numerous homes and apartments had windows broken out by the hail. In many cases, the hailstones went through the window screens and still managed to break out the glass. Other damage included ruined gardens, shattered street lights, and water damage in homes where water came through damaged roofs. One insurance company alone paid out more than \$14 million in claims.
Jefferson Co. Pine Bluff Airport	29	1958CST			0	0	?	?			Hail (0.75)
Jefferson Co. Pine Bluff Airport	29	2009CST			0	0	?	?			Hail (1.50)
Miller Co. Fouke	29	2345CST			0	0	?	?			Hail (1.75)
4 CALIFORNIA, Northern											
Honcut, Butte County	23	1530PST			0	0	0	?			Hail (.75)
Chico, Butte County	23	1730PST			0	0	1	0			Thunderstorm Winds
											A deep cold upper low produced several hours of VIP 6 thunderstorms in the northern Sacramento Valley. 3/4" hail was reported in Honcut and 1/2" hail near Chico. Thunderstorm winds damaged a barn near Chico as well.
San Joaquin County	24	1437PST			0	0	0	0			Funnel Clouds
											Several cold air funnels were spawned over the northern San Joaquin Valley due to a cold closed low aloft.
4 CALIFORNIA, Southern											
CAZALL All of Southern California	4				0	0	0	0			Heat Wave
											Hot, dry Santa Ana wind pattern began setting up on the 2nd with rising pressure over the Great Basin. A heat wave followed on the 4th and continued through the 8th. The hottest day during the heat wave occurred on the 6th. One hundred degree or greater readings were recorded on the 4th through the 7th. Downtown Los Angeles Civic Center established the hottest April day ever recorded on the 6th. The 106 degree reading toppled the old record of 100 degrees, which was set on April 23rd in 1910. Higher readings on the 6th included; 110 degrees at Ontario International Airport, and 112 degrees in Santa Ana at the El Toro Marine Corp Base.

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
CALIFORNIA, Southern											
Inner Coastal Waters	25	0940PST	?	?	0	0	0	0	0	0	Waterspout
											A waterspout was spotted 15nm north-northwest of Santa Catalina Island.
San Geronio Pass, Riverside County	25	1700PST			0	0	0	?			Hail (0.25) Lightning
											Thunderstorms dumped snow, hail, and rain on residents of Banning, Beaumont, Calimesa, Cherry Valley, and Cabazon; all small communities in the San Geronio Pass area. Beaumont received 1.55 inches of precipitation. Lightning struck three homes in Beaumont and Cherry Valley, causing minor damage. Pea size hail fell throughout the pass area, slightly damaging half of the area's cherry crop.
5 COLORADO											
Central, Northern Mtns. CO2002-004		2 morning			0	0	0	0	0	0	High winds
											Wind gusts of 60 mph or higher were noted at several ski areas; some lifts were closed at Snowmass, near Aspen. The peak recorded gust was 73 mph at Mary Jane ski area in Grand County.
El Paso County CO2014		2 1725MST			0	0	0	0	0	0	High winds (58)
											A gust of 58 mph was measured at the Black Forest glider port, about 10 miles north of Colorado Springs.
Central, Southwest Mtns. CO2004-008		3			0	0	0	0	0	0	High winds
											Lifts at Snowmass were again closed by high winds which gusted at 60 to 70 mph in the high country. The peak gust was 70 mph at Sunlight ski area, near Glenwood Springs in Garfield County.
Northeast Colorado CO2011-012		3 afternoon			0	0	0	0	0	0	High winds
											Strong winds included 63 mph at 1340 MST in Fort Morgan (Morgan County); and 65 mph at 1535MST in Greeley (Weld County).
Northern Mountains, Northeast Foothills CO2002-011		4 midday			0	1	4	0	0	0	High winds
											Winds overturned a truck pulling half of a mobile home near Virginia Dale, in Larimer County. The driver, a 42 year old man, was injured slightly, the mobile home section was destroyed, and US 287 was closed for five hours as a result of the accident. In the mountains, winds again gusted to around 60 mph at several ski areas; peak gust was 67 mph at 1130 MST at Breckenridge ski area, in Summit County.
Northern, Central Mtns. CO2002-004		3/29-4/5			0	0	0	0	0	0	Heavy Snow
											A strong, moist westerly flow of air brought almost continuous snow and wind to the northern and central mountains of Colorado for eight days. 3 to 6 feet fell over most of this area, but 82 inches buried Breckenridge. The heaviest snowfall occurred during a 48 hour period from April 2 to 4; Breckenridge had 39 inches in this time span, with 24 to 30 inches at other ski resorts in Summit, Grand, and Clear Creek counties.
Grand County; Mary Jane ski area		5 0938MST			0	0	0	0	0	0	High wind (61)
Larimer County; Fort Collins		5 2250MST			0	0	0	0	0	0	High wind (62)
Larimer County; Fort Collins		6 0645MST			0	0	0	0	0	0	High wind (63)
Northern, Central Mountains. CO2002-004		6			0	0	0	0	0	0	High winds
											Several spots in the mountains clocked wind gusts of 60 to 70 mph. The peak gust, 70 mph, was measured at Berthoud Pass in Grand County.
Northern, Central Mtns. CO2002-004		7 morning			0	0	5	0	0	0	High winds
											High winds caused minor damage at several spots. A condo was unroofed in Breckenridge (Summit Co.). At Nederland (Boulder Co.) winds damaged roofs and blew down trees. Several communities in this area had power outages. Winds estimated at 90 mph in Georgetown (Clear Creek Co.) blew down road signs, and blew campers and even semitrailers off Interstate 70. Three trailer homes were blown off their foundations, and a 50 foot tree toppled onto the roof of a home, causing considerable damage. Ski lifts had to be closed in Summit County. Peak gusts included 100 mph at 0830 MST at Arapahoe Basin ski area (Summit Co.), and 94 mph at Rollinsville (Gilpin Co.) at 1153. Five gusts exceeded 100 mph on the summit of Mount Evans (Clear Creek Co.).
Larimer County; Fort Collins		7			0	0	4	0	0	0	High winds
											Strong winds were noted at several places in the Fort Collins area. The top measured gust was 80 mph at 1640 MST, 5 1/2 miles west-northwest of Wellington. Other gusts included 76 mph at 1050 MST in Fort Collins, 72 mph at 1430 MST two miles northwest of Masonville, and 61 mph at 1530 MST four miles southwest of Fort Collins. Winds estimated at 100 mph unroofed a house near Horsetooth Reservoir west of Fort Collins.
COLORADO											
Northeast Colorado, Eastern Foothills CO2011-012-013-014-015		9			0	0	0	0	0	0	Snow
											Up to 14 inches of snow fell in the eastern foothills. That total was recorded at Buckhorn Mountain (Larimer Co.) and Rye (Pueblo Co.). 6 to 12 inches fell at many other locations in the foothills. Boulder had 6 to 8 inches. 6 inches fell on Monument Hill between Denver and Colorado Springs, and a 100 car pileup on Interstate 25 closed the freeway's southbound lanes for four hours. 5 inches fell at Denver's Stapleton Airport, causing two-hour flight delays. Up to 11 inches of snow fell in extreme northeast Colorado. Strong winds accompanied the snow, and the resulting ice buildups on power lines knocked out electricity in parts of Weld County.
Fremont County CO2014-015		9-10			0	0	0	5	0	0	Freeze
											A hard freeze, with temperatures as low as 10 degrees, wiped out most of the apple crop in Fremont County. There was some damage to cherries and other fruit trees.
Jefferson County; Wheat Ridge		19 1745MST			0	0	0	0	0	0	Tstm. wind (68)
Larimer County; Buckhorn Mtn. Bellvue Rist Canyon Fort Collins 3E		24 1842MST 24 1850MST 24 1855MST 24 1932MST			0	0	0	0	0	0	Hail (1.00) Hail (.75) Hail (.75) Hail (.75)
Boulder County; Boulder Louisville Lafayette		24 1850MST 24 1908MST 24 1925MST			0	0	0	0	0	0	Hail (.75) Hail (.75) Hail (1.75)
Weld County; Dacono		24 2010MST			0	0	0	0	0	0	Hail (1.25)
Morgan County; Wiggins		24 2135MST			0	0	0	0	0	0	Hail (1.50)
Adams County; IW Strasburg		25 1405MST			0	0	0	0	0	0	Hail (1.00)
Boulder County; 2N Louisville 5S Longmont Erie		25 1500MST 25 1530MST 25 1530MST			0	0	0	0	0	0	Hail (1.00) Hail (1.00) Hail (1.00)
Douglas County; Parker		25 afternoon			0	0	4	0	0	0	Lightning
											Lightning caused heavy damage to a radio transmitter, knocking a Denver radio station off the air for three hours.
El Paso County; Colorado Springs		25 1657MST			0	0	0	0	0	0	Tstm. wind (60)
Mineral County; Creede		26 1300MST			0	0	3	0	0	0	Wind
											Strong winds blew a trash fire out of control near Creede; a snowmobile was destroyed.
Chaffee County; Salida		26 1515MST			0	0	4	0	0	0	Wind
											Strong, erratic wind gusts in Salida destroyed a shed, moving it about 150 feet into a home, which sustained a broken window and roof damage. A pickup truck was also damaged.
Larimer County; Fort Collins		26 1815MST			0	0	3	0	0	0	Wind
											A fire started in a pile of sawdust and was blown out of control by strong winds. It burned a storage barn.
Northeast Foothills CO2011-014		29-30			0	0	0	0	0	0	Snow
											A late-season snowstorm dropped 6 to 12 inches in the eastern foothills from west of Colorado Springs to the Wyoming border. The heaviest accumulation reported was 12 inches at Divide, in Teller County. 2 to 4 inches fell along the Front Range; 4 inches fell in Denver.
6 CONNECTICUT ————— NONE REPORTED											
7 DELAWARE ————— NONE REPORTED											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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	

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	

8 FLORIDA

Polk County, Lakeland	01 1300EST				1	0	0	0			Lightning
	A 9 year old boy was fatally injured while riding his bicycle. M090										
De Soto County, Arcadia	04 1600EST	short	?		0	0	3	0			Tornado (F0)
	A tornado touched down briefly and destroyed a carport and storage shed.										
Lake County, Mt. Dora	04 2100EST				0	0	3	0			TSTM Wind (50)
	A probable microburst from a thunderstorm struck the city's west side and uprooted 80 year old oak trees which then damaged a few houses and cars.										
Monroe County, 12 SE Marathon	05 0830EST										Waterspout
	The public reported a waterspout near Bahia Honda State Park.										
Martin County, Stuart	05 1425EST				0	0	0	0			Hail (0.75)
Dade County, 30 SW Miami	05 1500EST	short	?		0	0	0	0			Tornado (F0)
	Two pilots reported a brief tornado touchdown in the Everglades.										
Monroe County, 1 SE Key West	05 1856EST										Waterspout
Monroe County, Islamorada	06 0855EST										Waterspout
	A waterspout was reported by the Coast Guard.										
Columbia County, Lake City	08 2200EST				0	0	3	0			TSTM Wind (50)
	Several large trees were uprooted and a house was damaged by thunderstorm winds.										
Leon County, Tallahassee	09 1800EST				0	1	2	0			Lightning
	A 35 year old female was injured while talking on the telephone. The lightning struck an outside wire then jumped into the phone line.										
FLZ022 Eastern Dade and Broward Counties	11 0700-1700EST				0	0	0	0			Smoke
	Thick smoke from Everglades fires advected into the metropolitan areas of Dade and Broward counties during the early morning and reduced visibilities to as low as 1/4 to 1/2 mile for most of the day. Health alerts were issued.										
Hendry County, Clewiston	11 1850EST				0	0	0	0			Hail (1.75)
	The Sheriff's Office reported golfball size hail.										
Polk County, 6 E Lakeland	13 1725EST	short	?		0	0	3	0			Tornado (F0)
	A mobile home and 2 boats sustained minor damage from a brief tornado.										
Charlotte County, Englewood	14 1600EST										Funnel Cloud
	A funnel cloud extending about 100 feet below cloud base was witnessed by numerous people.										
Palm Beach County, 16 SE West Palm Beach	18 0830EST										Waterspout
	A pilot reported a waterspout.										
Monroe County, 3 N Key West 7 W Key West	18 1622EST 1800EST										Waterspouts
	Several waterspouts were reported.										
St. Lucie County, Port St. Lucie	20 1530EST				0	2	0	0			Lightning
	Two male golfers were injured when lightning struck a lake from which they were retrieving a golf ball.										
Indian River County, 10 S Vero Beach	20 1539EST				0	0	0	0			Hail (0.75) TSTM Wind (60)
	A pilot reported 3/4 inch diameter hail and wind gusts to 60 knots.										
St. Lucie County, Ft. Pierce	20 1636EST				0	0	0	0			TSTM Wind (55)
	The Fort Pierce Air Traffic Control tower reported gusts to 55 knots.										
Monroe County, 4 SW Tavernier	20 1903EST										Waterspout
	The Coast Guard reported a waterspout near Plantation Key.										
Monroe County, 15 NE Key Largo	21 1210EST										Waterspout
	The Coast Guard reported a waterspout off Carysfort Reef.										
Monroe County, 22 SW Tavernier	29 0835EST										Waterspout
	The Coast Guard reported a waterspout 10 miles south of Alligator Reef.										
Polk County, Highland City	29 1610EST				0	0	0	0			Hail (1.75) TSTM Wind (50)
	A former MWS employee reported golfball size hail and wind gusts to 50 knots.										

FLORIDA

Monroe County: 10 S Marathon Tavernier	30 0915EST										Waterspout
	30 1015EST										Waterspout
	Waterspouts were reported by the Coast Guard and the Sheriff's Office.										
Palm Beach County, Boca Raton	30 1030EST				0	0	4	0			Lightning
	Lightning struck the roof of a house, burning a baseball size hole in the roof and doing an estimated \$50,000 damage to the home's wiring and appliances.										
Dade County, Homestead	30 1110EST				0	0	4	0			TSTM Wind (60)
	Thunderstorm winds damaged several mobile homes, uprooted trees, and produced small hail. A nursery and greenhouse were also damaged.										

9 GEORGIA

FULTON COUNTY Roswell	03 0740est				0	0	0	0			Hail (1.00)
HALL COUNTY Flowery Branch	03 0750est				0	0	0	0			Hail (1.75)
CARROLL COUNTY SN Bowden	03 0812est				0	0	0	0			Hail (1.75)
CHATTOOGA COUNTY 3NW Menlo	04 1225est				0	0	0	0			Hail (1.50)
04 1245est					0	0	0	0			Hail (1.25)
	Very strong thunderstorms moved into western Chattooga County near Cloudford near Alabama and produced 1.50 inch hail. The thunderstorms continued east from Menlo and to near Summerville and then across north Chattooga County.										
WALKER COUNTY Center Post	04 1230est				0	0	0	0			Hail (.75)
FLOYD COUNTY 10N Cave Springs	04 1323est	4.0	150		0	0	5	?			Tornado (F2) Small Hail
	A thunderstorm complex moved into northwest Georgia from near Weiss Lake in Alabama. The funnel cloud developed along the squall line at Cave Springs and touched the ground at 1323est about 10 miles north of Cave Springs at Highway 27. The tornado then moved northeast to near Lindale where most of the damage occurred about 1330est. By 1335est, the tornado was dissipating just south of Rome. About 20 to 30 homes and business, signs, trees, and other structures had extensive damage. The estimated costs were near \$200,000.										
Cave Springs Rome	04 1335est				0	1	0	0			Lightning
04 1340est					0	0	?	?			TSTM Wind Small Hail
SNE Rome	04 1350est				0	0	0	0			Funnel Cloud Hail (.75)
	Along with tornadic activity south of Rome, strong thunderstorm winds caused extensive damage. Straight-line and downburst winds uprooted trees. A funnel cloud and hail were detected about 1350est between Plainville and Rome. The thunderstorms moved east-northeast and continued into Bartow and Gordon Counties. Damage was reported to mobile and permanent homes, cars, a church, and other structures.										
HEARD COUNTY Countywide	04 1400est				0	0	?	?			TSTM Wind
CARROLL COUNTY 2W Bowdon	04 1400est				0	0	?	?			TSTM Wind
	Considerable damage occurred in Carroll County from straight-line winds between Bowdon and the Alabama state line. Speeds were estimated near 70 miles an hour. In Heard County, small out-buildings were damaged and large trees were uprooted.										
PAULDING COUNTY Harmony Grove	04 1400est				0	0	?	?			TSTM Wind
04 1410est					0	0	0	0			Funnel Cloud
04 1410est					0	2	0	0			Lightning
04 1415est					0	0	?	?			TSTM Wind
04 1420est					0	0	0	0			Funnel Cloud
04 1430est					0	0	?	?			TSTM Wind
	At Harmony Grove, considerable damage was caused by uprooted trees and broken limbs. A church and several mobile homes had damage to their roofs when trees struck them. Another mobile home and some chicken houses were destroyed by winds and considerable property damage occurred at New Georgia. Several funnel clouds were reported around Harmony Grove.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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 —									
HARALSON COUNTY Tallapoosa	04	1410est			0	0	?	?	TSTM Wind 52 Small Hail
	At Tallapoosa, a mobile home, a barn, and a couple of chicken houses were destroyed.								
Bremen	04	1415est			0	0	?	?	TSTM Wind 78
CARROLL COUNTY Villa Rica	04	1410est			0	0	?	?	TSTM Wind Small Hail
7SW Villa Rica	04	1410est			0	0	0	0	Hail (1.00)
	04	1410est			0	0	0	0	Funnel Cloud
	A funnel cloud and hail were reported between Carrollton and Villa Rica in the Sand Hill area.								
Bowdon	04	1415est			0	0	?	?	TSTM Wind
HARALSON and CARROLL COUNTIES 2N Bowdon Junction	04	1415est	4.0	80- 150	0	1	5	?	Tornado (F1)
	About 1410est, a funnel cloud formed along the squall line near Bowden Junction and moved east-northeast to US Highway 27 at Bremen in Haralson County. By 1420est, the tornado had lifted. Some out-lying damage was caused by thunderstorm winds estimated between 70 to 90 mph. A truck driver was injured when his tractor-trailer was overturned by winds on Highway 27. Many homes, businesses, permanent signs, vehicles, and various other properties were destroyed or damaged. Numerous large trees were uprooted. Five large gasoline storage tanks near Bremen Corners were damaged; damage also occurred at a retail store. The cost of the store's damage was approximately \$3,000. The damage to the gasoline tanks cost at least \$100,000.								
GILMER COUNTY Countywide 4E Ellijay	04	1415est			0	0	?	?	TSTM Wind
	04	1415est			0	0	?	4	Hail (.75)
	The hail damage to the pear tree stock east of Ellijay was estimated at \$15,000. The hail ended around 1430est. Strong straight-line winds uprooted numerous trees.								
GORDON COUNTY 6.5 Calhoun Ranger Plainville Sonoraville Oakman	04	1410est			0	0	?	?	TSTM Wind
	04	1415est			0	0	?	?	TSTM Wind
	04	1415est			0	0	0	0	Funnel Cloud
	04	1415est			0	0	0	0	Funnel Cloud
	04	1415est			0	0	0	0	Hail (1.75)
	Small hail occurred about 1411est at Calhoun. Strong winds, with evidence of downbursts, uprooted trees across the county.								
BARTOW COUNTY Cartersville	04	1415est			0	0	0	0	TSTM Wind Small Hail
	04	1415est			0	0	0	0	Funnel Cloud
Adairsville	04	1415est			0	0	?	?	TSTM Wind
Allatoona Lake	04	1415est			0	0	4	?	TSTM Wind Small Hail
IN Cartersville	04	1421est			0	0	?	?	TSTM Wind Small Hail
	High winds uprooted numerous trees across the county and caused considerable property damage. Around Lake Allatoona, evidence of downburst winds, with speeds estimated between 90 and 100 miles an hour, damaged roofs, vehicles, and other properties.								
BARTOW AND COBB COUNTIES Allatoona Lake	04	1415est	3.0	80- 150	0	0	5	0	Tornado (F2) Small Hail
	A tornado touched down near the intersection of I-75 and Georgia Highway 92 in extreme southeast Bartow County, just north of the Bartow-Cobb countyline. The tornado moved east from Lake Allatoona to Acworth in Cobb County and dissipated by 1420est. Evidence of downburst winds was also found. The tornado destroyed two marina docks, boats, and other lake properties. Extensive damage occurred in a mobile home park. A school, vehicles, signs, and other small buildings were also badly damaged or destroyed. Widespread damage also occurred from winds estimated between 60 and 80 mph.								
COBB COUNTY Acworth Acworth	04	1425est			0	0	4	?	TSTM Wind
	04	1435est			0	0	?	?	TSTM Wind
	Downburst winds and straight-line winds damaged signs, vehicles, and the roofs of many homes shortly after the tornado that moved from Lake Allatoona to Acworth dissipated.								
CHEROKEE COUNTY 5WSW Woodstock 5WSW Woodstock Canton	04	1420est			0	0	5	?	TSTM Wind
	04	1425est			0	0	0	0	Hail (1.75)
	04	1430est			0	0	?	?	TSTM Wind
	04	1430est			0	0	0	0	Funnel Cloud

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					KILLED	INJURED	PROPERTY	CROPS	
— GEORGIA —									
CHEROKEE and COBB COUNTIES 5WSW Woodstock	04	1430est	6.0	80	0	0	6	0	Tornado (F2)
	A funnel cloud was reported southwest of Woodstock near the intersection of Georgia Highways 92 and 205. The tornado touched down in the Oak Grove community and moved east parallel to Highway 92 to near Woodstock. Then the storm moved southeast into extreme north Cobb County. The tornado dissipated about 1435est, before it reached Sweet Mountain. Wind damage that occurred after the tornado extended from Sweet Mountain, in Cobb County, along Highway 92 into north Fulton County. Damage occurred to about 86 homes and businesses in several subdivisions. Many mobile homes, numerous out-buildings, and signs also were heavily damaged or destroyed.								
CHEROKEE COUNTY 2SSE Woodstock	04	1430est			1	1	?	0	TSTM Wind
	An unborn child was killed when a three-inch diameter tree limb pierced the abdomen of a woman driving a pick-up truck. MOOV								
BARTOW COUNTY Adairsville	04	1430est			0	0	?	?	TSTM Wind
	04	1430est			0	0	0	0	Hail (1.00)
PICKENS COUNTY Countywide	04	1430est			0	0	?	?	TSTM Wind
CARROLL COUNTY Hickory Level	04	1435est			0	0	?	?	TSTM Wind 52
DOUGLAS COUNTY Northwestern Douglas County	04	1435est			0	0	0	0	Hail (.75)
	04	1435est			0	0	0	0	Funnel Cloud
Countywide	04	1435est			0	0	?	?	TSTM Wind
	A few homes had roof damage; most of the damage occurred in the southern portion of the county.								
CHEROKEE COUNTY Holly Springs	04	1440est			0	0	?	?	TSTM Wind
COWETA COUNTY Countywide Newnan	04	1435est			0	0	?	?	TSTM Wind
	04	1435est			0	0	0	0	Funnel Cloud
	04	1440est			0	0	0	0	Funnel Cloud
	04	1450est			0	0	?	?	TSTM Wind Small Hail
	Straight-line winds uprooted many trees and caused considerable damage. A hardware store just south of Newnan lost its roof.								
FORSYTH COUNTY Countywide Cumming	04	1440est			0	0	5	?	TSTM Wind
	04	1450est			1	0	?	0	TSTM Wind
	Trees were uprooted over the county, with considerable wind damage to roofs, homes, and businesses. Damage costs were estimated near \$100,000 in one subdivision. A young man was killed when a tree fell upon him as he ran from the yard toward his home for shelter. M250								
FULTON COUNTY Mountain Park Roswell Atlanta College Park	04	1440est			0	0	5	0	TSTM Wind
	04	1450est			0	0	?	0	TSTM Wind
	04	1454est			0	0	?	0	TSTM Wind 52
	04	1500est			0	0	?	0	TSTM Wind
COBB COUNTY Smyrna Smyrna	04	1448est			0	0	0	0	Hail (1.00)
	04	1452est			0	0	?	0	TSTM Wind 51
FAYETTE COUNTY Fayetteville	04	1500est			0	0	?	?	TSTM Wind Small Hail
CLAYTON COUNTY Jonesboro	04	1500est			0	0	?	0	TSTM Wind
DEKALB COUNTY Decatur	04	1500est			0	0	?	0	TSTM Wind
	Trees were uprooted and small hail occurred over the five counties. Widespread damage occurred over the northern portions of Cobb and Fulton Counties. At Mountain Park, remnant winds from the tornado that moved from Woodstock to near Sweet Mountain in Cobb County, caused extensive damage at a mobile home park near Highway 92. Across all of the counties, many roofs, homes, cars and other properties were damaged. The damage costs at Mountain Park alone were estimated at \$300,000.								
LUMPKIN COUNTY Countywide	04	1500est			0	0	?	?	TSTM Wind
DAWSON COUNTY Dawsonville Dawsonville Countywide	04	1500est			0	0	?	?	TSTM Wind
	04	1505est			0	0	0	0	Funnel Cloud
	04	1510est			0	0	?	?	TSTM Wind

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1989

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					KILLED	INJURED	PROPERTY	CROPS	
— GEORGIA —									
<p>Considerable wind damage occurred with many 15- to 18-inch diameter trees uprooted. Houses were damaged by winds estimated between 85 to 100 mph. The funnel cloud near Dawsonville moved to the Dawson-Hall county line.</p>									
HENRY COUNTY									
Hampton	04	1500est			0	0	4	?	TSTM Wind
Stockbridge	04	1515est			0	1	?	?	TSTM Wind
McDonough	04	1525est			0	0	?	?	TSTM Wind
FAYETTE COUNTY									
Fayetteville	04	1510est			0	0	0	0	Hail (.75)
CLAYTON COUNTY									
Jonesboro	04	1510est			0	0	0	0	Hail (.75)
<p>Numerous trees were uprooted over the three-county area. A fallen tree on a house caused one injury at Stockbridge. Around Swan Lake, in Henry County, damage occurred to boats and out-buildings. Trees were blown onto several mobile homes near Hampton and a store window. There was widespread roof damage. Most damage was caused by straight-line winds, with some evidence of downburst wind damage around Hampton. Estimated costs were near \$40,000, at Hampton alone.</p>									
GWINNETT COUNTY									
Suwanee	04	1515est			0	0	?	0	TSTM Wind 52
ZWSW Buford	04	1515est			0	0	?	?	TSTM Wind
Buford	04	1515est			0	0	0	0	Funnel Cloud
<p>Considerable roof and structural damage occurred near Buford and the Sugar Hill community. Numerous trees were uprooted.</p>									
BARROW COUNTY									
Countywide	04	1515est			0	0	?	?	TSTM Wind
HALL COUNTY									
Countywide	04	1515est			0	0	?	?	TSTM Wind
8NNE Gainesville	04	1515est	5.5	50	0	0	4	?	Tornado (F2)
<p>The tornado touched down and moved east 3 miles and then lifted. After traveling 2 miles aloft, the tornado touched down again 2 miles south of Lula and moved 2.5 miles to the county line before dissipating about 1525est. Considerable damage occurred to permanent and mobile homes, cars, and businesses, and other properties.</p>									
4.5W Murrayville	04	1520est	9.0	100	0	0	4	?	Tornado (F2)
<p>The tornado snaked east 3 miles and then moved north to the county line. Considerable damage occurred over this rural area, mostly to trees, before the tornado dissipated.</p>									
3.3N Buford	04	1520est	3.3	50	0	0	5	?	Tornado (F2)
<p>The tornado touched down north of Buford and moved east. Boat docks were destroyed or heavily damaged at a marina. Many permanent and mobile homes, out-buildings, businesses, and boats were damaged or destroyed. Estimated costs of the storm damage were greater than \$632,000 for the entire county.</p>									
SPALDING COUNTY									
Countywide	04	1520est			0	0	?	?	TSTM Wind
1W Griffin	04	1520est			0	0	0	0	Funnel Cloud
<p>Scattered trees, uprooted by the winds, damaged several homes and properties, particularly around Griffin.</p>									
JACKSON COUNTY									
Western Jackson County	04	1520est			0	0	0	0	Funnel Cloud
Countywide	04	1520est			0	2	?	?	TSTM Wind Lightning
<p>Thunderstorm winds caused extensive damage to permanent and mobile homes, signs, utility buildings, and chicken houses. The winds, estimated near 60 miles an hour, uprooted many trees. Two fires were caused by lightning.</p>									
HENRY COUNTY									
McDonough	04	1520est			0	0	?	?	TSTM Wind
WALTON COUNTY									
Countywide	04	1522est			0	0	?	?	TSTM Wind Small Hail
BANKS COUNTY									
7.2NNE Homer	04	1525est	5.0	50	0	0	5	?	Tornado (F2)
<p>The tornado moved east-southeast over a farming area. Damage from the tornado occurred to several homes and farm buildings. Chicken houses valued over \$334,600 were destroyed.</p>									
SNE Homer	04	1525est			0	0	?	?	TSTM Wind
<p>Downburst winds of one-mile diameter occurred and uprooted numerous trees.</p>									
HENRY COUNTY									
McDonough	04	1525est			0	0	0	0	Funnel Cloud Small Hail

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 —									
TALBOT COUNTY									
5S Manchester	04	1525est			0	0	?	?	TSTM Wind
	04	1525est			0	0	0	0	Hail (.75)
HABERSHAM COUNTY									
2SW Baldwin	04	1525est			0	0	?	?	TSTM Wind
Baldwin	04	1530est	8.0	300-400	0	3	6	?	Tornado (F2)
<p>The funnel cloud developed along the squall line as the storm complex moved directly over Baldwin. The parent thunderstorm was moving about 50 mph. The tornado traveled northeast about 8 miles with a small break in its path. Downburst winds occurred also and caused considerable damage outside of the tornado's path, particularly to out-buildings, automobiles, trees, to mobile and permanent homes, and other buildings. The majority of the tornado damage was to an elementary school building, in the path, that lost most of its roof and had major structural damage. A nursing home received extensive wind damage. The damage costs from the tornado and the winds were estimated over \$2,000,000. Small hail was reported with this storm while it traveled toward Stephens County.</p>									
3NE Mount Airy	04	1530est	.25	12	0	0	4	?	Tornado (F1)
<p>A tornado touched down in the community near Lake Russell northeast of Mount Airy. Although the storm was small, a few buildings and homes were damaged. Trees and power lines were downed before the tornado dissipated about 1535est.</p>									
Baldwin	04	1535est			0	0	4	?	TSTM Wind
2W Clarksville	04	1545est			0	0	4	?	TSTM Wind
Cornelia									
<p>Considerable wind damage occurred over the county particularly to smaller structures, chicken houses, automobiles, trees and mobile and permanent homes. Wind speeds around Baldwin and Clarksville were estimated near 80 mph.</p>									
MERIWETHER COUNTY									
Countywide	04	1530est			0	0	?	?	TSTM Wind
PIKE COUNTY									
Countywide	04	1530est			0	0	?	?	TSTM Wind
<p>Small hail occurred 8 miles west of Thomaston close to the Meriwether-Upson county line. Many large trees were downed.</p>									
ROCKDALE COUNTY									
Countywide	04	1530est			0	0	?	?	TSTM Wind Small Hail
WHITE COUNTY									
Cleveland	04	1533est			1	0	?	?	TSTM Wind
<p>Although trees were uprooted by the storm over the county, the majority of the downed trees were in south White County. A falling tree killed one young woman in her car. F27V</p>									
STEPHENS COUNTY									
Countywide	04	1535est			0	0	?	?	TSTM Wind
Western Stephens County	04	1545est			0	0	?	?	TSTM Wind
	04	1545est			0	0	0	0	Funnel Cloud
BUTTS COUNTY									
Countywide	04	1545est			0	0	?	?	TSTM Wind
Southern Butts County	04	1545est			0	0	0	0	Hail (0.75)
UPSON COUNTY									
8W Thomaston	04	1545est			0	0	?	?	TSTM Wind
LAMAR COUNTY									
3S Barnesville	04	1551est			0	0	?	?	TSTM Wind
<p>Large trees were uprooted over Upson and Lamar Counties. A tree damaged a mobile home 3 miles south of Barnesville.</p>									
MUSCOGEE COUNTY									
Columbus	04	1553est			0	0	?	0	TSTM Wind 54
Central Muscogee County	04	1605est			0	0	?	0	Hail (1.75)
	04	1605est			0	0	?	0	TSTM Wind
East Columbus	04	1610est			0	0	0	0	Hail (1.75)
<p>A wind gust measured at WSO Columbus was 62 mph at 1553est. Cars were damaged by hail and falling trees. Several power outages throughout Columbus and Muscogee County were caused by lightning. Although the reports of golf-ball sized hail were isolated, there were numerous reports of smaller hail.</p>									
NEWTON COUNTY									
Countywide	04	1600est			0	0	?	?	TSTM Wind
Covington	04	1605est			0	2	4	?	TSTM Wind
<p>Two minor injuries occurred when a tree fell upon a dance studio in Covington.</p>									
HANCOCK COUNTY									
Sparta	04	1600est			0	0	?	?	TSTM Wind 55

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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	

GEORGIA

JACKSON COUNTY Countywide	04	1600est			0	0	?	?	TSTM Wind
MONROE COUNTY Countywide	04	1600est			0	0	0	0	Hail (.75)
Large hail fell at several locations across the county.									
Forsyth	04	1605est			0	0	?	?	TSTM Wind
High Falls	04	1610est			0	0	?	?	TSTM Wind
OCONEE COUNTY Countywide	04	1610est			0	0	?	?	TSTM Wind
PUTNAM COUNTY Countywide	04	1615est			0	0	?	?	TSTM Wind
Eatonton	04	1615est			0	0	4	?	TSTM Wind
JONES COUNTY Wayside	04	1615est			0	0	?	?	TSTM Wind
Gray	04	1615est			0	0	?	?	TSTM Wind
Round Oak	04	1615est			0	0	?	?	TSTM Wind
JASPER COUNTY Monticello	04	1615est			0	0	?	?	TSTM Wind
Countywide	04	1620est			0	0	5	?	TSTM Wind
<p>Numerous trees were uprooted or broken over Putnam, Jasper, and Jones Counties. Roof and structure damages were widespread due to fallen trees and winds. Windows were blown out and signs were destroyed at downtown Eatonton, in Putnam County. At Gray, a tree fell upon an occupied mobile home; no injuries occurred. In Jasper County, downburst winds caused roof damage and knocked railroad cars off their tracks. Costs of the damage in Jasper County were estimated at near \$200,000.</p>									
HARRIS COUNTY Cataula	04	1615est			0	0	?	?	TSTM Wind
Cataula	04	1615est			0	0	0	0	Hail (.75)
<p>Large limbs and small trees were downed over the county. Small hail fell in the storms at Oak Mountain just east of Hamilton.</p>									
FRANKLIN COUNTY Countywide	04	1615est			0	0	?	?	TSTM Wind
MADISON COUNTY Countywide	04	1615est			0	0	?	?	TSTM Wind
CLARKE COUNTY Countywide	04	1615est			0	0	?	?	TSTM Wind
OGLETHORPE COUNTY Countywide	04	1625est			0	0	?	?	TSTM Wind
ELBERT COUNTY Countywide	04	1625est			0	0	?	?	TSTM Wind
<p>Over the five counties, numerous trees were uprooted, tearing down electrical and telephone lines. Homes, signs, and other structures were also damaged.</p>									
BALDWIN COUNTY Milledgeville	04	1625est			0	0	?	?	TSTM Wind
CRAWFORD COUNTY Countywide	04	1630est			0	0	?	?	TSTM Wind
BIBB COUNTY Northern Bibb County	04	1635est			0	0	?	?	TSTM Wind
<p>Trees were uprooted and limbs broken over Baldwin, Bibb, and Crawford Counties. Considerable damage was done to homes and other properties by the winds and falling trees.</p>									
GREENE COUNTY Countywide	04	1630est			0	0	?	?	TSTM Wind
HARRIS COUNTY Ellerslie	04	1630est			0	0	?	?	TSTM Wind
MUSCOGEE COUNTY Eastern Muscogee County	04	1635est			0	0	0	0	Hail (.75)
Midland	04	1635est			0	0	?	?	TSTM Wind
TALIAFERRO COUNTY Countywide	04	1645est			0	0	?	?	TSTM Wind
HART COUNTY Vanna	04	1645est			0	0	?	?	TSTM Wind
Countywide	04	1645est			0	0	?	?	TSTM Wind
<p>Trees were uprooted as the storm complex moved east-northeast across Hart and Taliaferro Counties. Damage occurred to homes, signs, and out-buildings. Several structures and cars were damaged by falling trees. At Vanna, in Hart County, winds overturned a mobile home and destroyed several out-buildings.</p>									
PEACH COUNTY Northwest Peach County	04	1700est			0	0	0	0	Hail (1.00)
Countywide	04	1700est			0	0	?	?	TSTM Wind
WILKINSON COUNTY Countywide	04	1700est			0	0	?	?	TSTM Wind
BALDWIN COUNTY Countywide	04	1700est			0	0	?	?	TSTM Wind
TWIGGS COUNTY Countywide	04	1700est			0	0	?	?	TSTM Wind

GEORGIA

HOUSTON COUNTY Warner Robins	04	1716est			0	0	?	?	TSTM Wind
<p>Numerous trees were uprooted or broken. Considerable wind damage occurred over all four counties. Smaller hail fell at the Peach-Crawford county line at 1700est.</p> <p>A few trees were uprooted over Houston County and at Warner Robins. One tree fell upon a house; no injuries occurred.</p>									
HANCOCK COUNTY Sparta	04	1722est			0	0	?	?	TSTM Wind 55
<p>Wind gusts were estimated by a trained spotter at 60 to 65 mph.</p>									
DODGE COUNTY Eastman	04	1730est			0	0	?	?	TSTM Wind
ELBERT COUNTY Elberton	04	1740est			0	0	?	?	TSTM Wind 55
<p>Trees were uprooted, a church roof was damaged, and several out-buildings were destroyed. Gusts were estimated at 60 to 65 mph.</p>									
RICHMOND COUNTY Augusta	04	1810est			0	0	?	0	TSTM Wind
<p>A mobile home was overturned and many trees were uprooted.</p>									
DODGE COUNTY 5NW Eastman	08	2130est			0	0	?	0	TSTM Wind

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					KILLED	INJURED	PROPERTY	CROPS	
10 IDAHO									
ID2002-003 Southeast Idaho	02	0400-0700MST			0	0	0	0	High Wind (G50)
									A squall line of cumulus clouds with heavy rain, small hail, and gusty winds moved across Burley to Pocatello.
ID2003 Cassia County	21	2130MST			4	0	5	0	Blowing Dust (G45)
									Cold front winds lifted field dust and abruptly lowered visibility to zero on Interstate 84, 4 miles south of the Interstate 86 junction. Three 16-wheelers and an automobile piled up in a "wall of dust." M48V, F43V, M42V, F6V
Benevah County, St. Maries	21-25				0	0	0	0	Flood
									Unusually warm temperatures started the snowpack to melt two to three weeks earlier than normal. Minor flooding was reported near St. Maries.
11 ILLINOIS									
St. Clair Co, 2E Belleville	03	1340CST			0	0	?	0	Hail (0.75)
Washington Co.	03	1425CST			0	0	6	0	Tstm.Wind Hail (2.75)
									Strong thunderstorm downbursts severely damaged a home in Pilot Knob Township. A mobile home in Oakdale was blown on its side by high winds and other homes and trees were damaged in the town. The roof of the Ashley Grade School was torn off by the storm. Large hail damaged siding, roofs and windows of numerous houses in Ashley. In Nashville, hail one inch to baseball size broke many windows and damaged roofs in town. Snowplows were called out to clear hail that covered roadways around Nashville. Three-quarter inch hail fell in Okawville. High wind and hail damaged out-buildings and barns of many farms throughout Washington County.
Jefferson Co, Mount Vernon	03	1450CST			0	0	?	0	Hail (2.0)
Wayne Co: countywide Barnhill	03	1520CST			0	0	6	0	Hail (2.75)
	03	1530CST	0.2	50	0	0	4	0	Tornado (F1)
									Golfball to baseball size hail damaged 819 vehicles, 343 homes and business across the county. A tornado touched down briefly near Barnhill and damaged grain bins, farm machinery, barns, power lines and telephone poles.
White Co.: Mill Shoals	03	1530CST			0	0	6	0	Hail (2.75)
25 Grayville Area	03	1608CST			0	0	5	0	Hail (2.75), TSTM Wind
Norris City	03	1632CST			0	0	6	0	Hail (2.00)
									Large hail fell in the north and south sections of the county, causing considerable damage to vehicles and homes. Thunderstorm winds in excess of 60 mph blew two semi-tractor trailers and a police car off the roadways near the intersection of Highway 1 and Interstate 64.
Hamilton Co.	03	1530CST			0	0	?	0	Tstm.Wind
									Strong thunderstorm winds blew down several large trees in the northern portion of the county.
Edwards Co: 68W Albion and Grayville	03	1541CST			0	1	5	0	Hail (1.75) Tstm.Wind
									Large hail damaged roofs and vehicles 6 miles southwest of Albion. Severe thunderstorms produced high winds and golfball to baseball size hail near or in Grayville, Browns Chapel, Mt. Zion and Ridge areas of southern Edwards County. Roofs in the area were badly damaged or ruined by the hail and many windows were broken. One woman was cut by flying glass.
Edwards Co, 4W Grayville	03	1553CST	0.6	50	0	0	4	0	Tornado (F1)
									A tornado touched down 4 miles west of Grayville and traveled east for about half of a mile. The tornado downed large trees, power lines and several 69 KV large power poles.
Wabash Co, Cowling	03	1600CST			0	0	3	0	Hail (1.00)
Gallatin Co: Omaha	03	1640CST	0.2	50	0	0	1	0	Tornado (F0)
1W Cottonwood	03	1646CST			0	0	?	0	Hail (1.00)
									A tornado touched down just north of Omaha in a field. Witnesses said it skipped three times across the field and then lifted back into the clouds.
Pulaski Co, Mounds	03	1755CST			0	0	?	0	Hail (0.75)
North Alexander Co.	03	1755CST			0	0	?	0	Hail (1.75)
Southwest Union Co.	03	1800CST			0	0	?	0	Hail (1.75)
Johnson Co, Tunnel Hill	03	1845CST			0	0	?	0	Hail (1.00)
Massac Co.	03	1845CST	0.1	20	0	?	?	?	Tornado (F1)
									A tornado flattened a house, twisted trees and drove a 20 Penny nail into the side of the house in rural northeast Massac County.
Massac Co, Metropolis	03	1855CST			0	0	?	0	Tstm.Wind
									Thunderstorm winds blew down power lines and numerous trees just north of Metropolis.
Union Co, Dongola	23	1800CST			0	0	?	0	Hail (0.75)

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
ILLINOIS											
Boone Co, 18ENE Rockford	25	0130CST			0	0	?	0	Hail (1.75)		
Lake Co, Lake Villa	25	0137CST			0	0	?	0	Hail (0.75)		
McHenry Co.	25	0150CST			0	0	?	0	Tstm.Wind (51)		
Cook Co, O'Hare Intl' Airport	25	0246CST			0	0	?	0	Hail (0.75)		
Rock Island Co, Rock Island	26	1645CST			0	0	4	0	Tstm.Wind		
					A strong thunderstorm downburst did about \$25,000 damage to the Lakeside Recreational Center's batting cages and golf driving range.						
Peoria Co, Peoria	26	1842CST			0	0	?	0	Tstm.Wind (60)		
					Wind gusts of 69 mph were measured at the Peoria National Weather Service Office. High winds knocked down some trees and power lines in Peoria. For a time, 5000 utility customers were without power.						
McLean Co, Heyworth, Gridley	26	2015CST			0	0	7	0	Tstm.Wind		
					Winds of 70 mph were measured by the McLean County Emergency Services... A strong downburst ripped the roof off a home and severely damaged a pizza restaurant and grocery near Gridley. The 320 foot MCI steel tower was blown down near Gridley. In Heyworth, 20 properties were damaged by high winds. A number of farms in the county were damaged by high winds.						
Clark Co, Casey	26	2230CST			0	0	5	0	Tstm.Wind		
					Very strong winds tore sections of roofing off airport hangars, a trucking company building, and a motel in or near the town of Casey. A house trailer near the airport was destroyed. Numerous trees were blown down.						
Crawford Co, 2S Hardinville	26	2338CST			0	0	2	0	Tstm.Wind		
					Large trees were blown down.						
Lawrence Co, Lawrenceville	26	2345CST			0	0	3	0	Tstm.Wind		
					High winds blew down power lines and several large trees.						
Fulton Co, Table Grove	27	2015CST			0	0	4	0	Hail (1.75)		
					Golfball size hail damaged homes, cars and some businesses in Table Grove.						
Jackson Co, Grand Tower	28	1005CST			0	0	?	0	Hail (0.75)		
Edwards Co, Grayville	28	1930CST			0	0	?	0	Hail (0.75)		
Wabash Co, Bellmont	28	1940CST			0	0	?	0	Hail (0.75)		
Richland Co, Clarendon	28	2020CST			0	0	?	0	Hail (0.75)		
Lawrence Co, Lawrenceville	28	2038CST			0	0	?	0	Tstm.Wind		
12 INDIANA											
Posey Co, Griffin	03	1719 EST			0	0	4	?	Hail (2.75)		
Gibson Co, Owensville	03	1720 EST			0	0	4	?	Tstm.Wind		
					Thunderstorm winds damaged garages, barns, and outbuildings, and downed trees.						
Gibson Co, Owensville	03	1723 EST			0	0	4	?	Hail (2.75)		
Posey Co, Poseyville	03	1725 EST			0	0	4	?	Hail (2.75)		
Gibson Co, Fort Branch	03	1734 EST			0	0	4	?	Hail (2.75)		
Gibson Co, Haubstadt	03	1738 EST 0.6	75		0	0	5	?	Tornado (F1)		
					A tornado struck Haubstadt, damaging and destroying barns and buildings.						
INDIANA											
Vanderburgh Co, 4W Darmstadt	03	1748 EST			0	0	3	?	Hail (1.50)		
Gibson Co, 1.5 W Fort Branch	03	1750 EST 3.1	100		0	8	?	?	Tornado (F3)		
					A tornado struck south of Fort Branch, injuring eight people. The tornado began about one and a half miles west of town and flipped a mobile home. The tornado moved east toward the town with a narrow but destructive path. The tornado moved through a mobile home park which received the most damage, and continued east until it ended at U.S. Highway 41. The tornado destroyed 38 homes (mostly mobile homes) with damage estimated at 8 million dollars. Large hail accompanied the storm, resulting in additional damage to 119 homes.						
Gibson Co, Mackey	03	1758 EST			0	0	5	?	Tstm.Wind		
					Tornado-force downburst winds were evident. One house and a mobile home were completely destroyed.						
Gibson Co, Oak Hill Oakland City	03	1800 EST			0	0	4	?	Tstm.Wind		
					Some structural damage occurred due to straight-line winds. Damage was done to garages, barns, and outbuildings, and trees were uprooted.						
Posey Co, Mt. Vernon	03	1805 EST			0	0	3	?	Hail (1.00)		
Pike Co, Winslow	03	1810 EST			0	0	4	?	Hail (1.00)		
Pike Co, Spurgeon	03	1820 EST			0	0	5	?	Hail (2.75)		
					Baseball size hail in Spurgeon left lawns pocked with holes four inches deep. The hail damaged 14 homes and an undetermined amount of vehicles in Pike County.						
Warrick Co.	03	1820 EST			0	0	3	?	Hail (1.75)		
					One and three-quarter inch diameter hail fell at Lynnville.						
Pike Co, IN Spurgeon	03	1825 EST 0.7	50		0	0	4	?	Tornado (F1)		
					A tornado touched down briefly one mile north of Spurgeon, destroying some sheds and garages and taking the roofs off some houses.						
Boone Co.	03	1840 EST			0	0	4	?	Lightning		
					Lightning struck a house in Zionsville and burned through the roof. Damage to the contents and structure was estimated at \$50,000.						
Vanderburgh Co, Daylight	03	1900 EST			0	0	3	?	Tstm.Wind		
					Thunderstorm winds downed trees and power lines.						
Dubois Co, Huntingburg	03	1900 EST			0	0	5	?	Hail (2.75)		
					Large hail damaged 44 houses and an undetermined amount of vehicles in Huntingburg.						
Warrick Co.	03	1902 EST			0	0	4	?	Hail (1.75)		
					Hail from one inch to one and three-quarter inch in diameter fell at Boonville, the Alcoa Plant and Vankeetown. The hail damaged automobiles and broke windows. The hail fell from 1902 EST to 1905 EST.						
Spencer Co.	03	1910 EST-1930 EST			0	0	4	?	Tstm.Wind Hail (1.75)		
					Large hail damaged automobiles and broke windows in houses. Thunderstorm wind gusts in Eureka ripped the roofs off of two mobile homes, blew a travel trailer on its side, and downed several large trees. The hail was reported at Chrisney and Grandview.						
Posey Co, Wadesville	03	1915 EST			0	0	?	?	Hail (0.75)		
Perry Co.	03	1920 EST			0	0	?	?	Hail (1.00)		
					Large hail up to one inch in diameter fell in the county from 1920 EST until 1940 EST. Hail was reported at Bristow at 1920 EST and at Tell City at 1940 EST.						
Dubois Co, St. Anthony	03	1925 EST 0.7	50		0	0	5	?	Tornado (F1)		
					A tornado touched down 7 miles east of Huntingburg in St. Anthony, destroying two barns and three outbuildings.						

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					KILLED	INJURED	PROPERTY	CROPS	
INDIANA									
Rush, Shelby, and Marion Counties	03	1940-2200 EST			0	0	?	?	Flash Flood
									Locally heavy rains in these counties of central Indiana resulted in street flooding and the flooding of small creeks. Rainfall of over an inch and a half was reported on the north side of Marion County. Water was reported in the basements of houses along Williams Creek in Indianapolis.
Southwest Indiana: Posey, Vanderburgh, Warrick, Spencer, Perry and Southern Gibson Counties	03	Evening			1	0	6	?	Flash Flood
									Heavy thunderstorm rains produced flash flooding in southwest Indiana. A 16 month old baby boy was swept away by flood waters in southern Gibson County after his mother's car stalled on a flooded rural road. News reports indicated that a small drainage ditch running along the road had overflowed onto it. The mother remained in her stalled vehicle with her three children for an hour and a half until the water rose to near the window level. During her attempt to take the children to higher ground she lost her footing and the baby was swept away by the swift current. All the counties reported roads and culverts washed out and bridges damaged or destroyed. In Warrick County, four bridges were destroyed. The Boonville City lake which holds 32 acres of runoff overflowed and the citizens were out sandbagging during the rain. More than five hundred feet of two foot drainpipe was washed away there. Dress Regional Airport was closed due to water over runways. Also, in Vanderburgh County the little Pidgeon Creek rose 10 to 16 feet and overflowed. In Perry County, Windy Creek in Tell City rose 6 to 10 feet, overflowing the banks. MO10
Madison Co.	03	1957 EST			0	0	4	?	Tstm.Wind
									About one and a half miles south of Lapel along State Road 13, power lines and a power pole were downed by strong winds. Part of one barn roof and barn doors were blown off. A large antenna tower and two light poles were blow down. One window of a house was blown out and a full size trampoline was destroyed.
Harrison Co.	04	2040EST			0	0	2	0	Hail (1.25)
Whitley Co. Larwill	25	0610 EST			0	0	4	0	Hail (1.00)
									One-inch diameter hail was reported at Larwill, northwest of Columbia City. Some automobile body damage was reported.
Allen Co.	25	0650 EST			0	0	4	0	Hail (1.00)
									One-inch diameter hail was reported in Aboite Township just southwest of Fort Wayne. Some automobile body damage was reported.
White Co. Springboro	25	1646 EST			0	0	?	?	Hail (1.00)
									Hail three-quarter inch to one inch in diameter was reported at Springboro, just below the Dakdale dam at 1646-1649 EST.
Carroll Co. 8 E Brookston	25	1652 EST			0	0	?	?	Hail (1.25)
									Hail one and a quarter inch in diameter was reported 8 miles east of Brookston.
Wells Co.	25	1812 EST			0	0	5	?	Hail (1.25)
									Hail up to an inch and a quarter in diameter produced \$300,000. damage on the north side of Bluffton. One hundred automobiles were damaged. Additionally, some minor roof and shingle damage was reported.
Huntington Co.	25	1814 EST			0	0	?	?	Hail (1.00)
									One-inch diameter hail was reported 8 miles south of Huntington.
Wells Co. Bluffton	25	1820 EST			0	0	?	?	Hail (1.00)
Madison Co. Anderson	25	1852 EST			0	0	?	?	Hail (0.75)
Jackson and Lawrence Counties	26	1810 EST-1813 EST			0	0	?	?	Hail (1.75)
									Golf ball size hail was reported on the Jackson-Lawrence county line between Bedford and Tunnelton. Golf ball size hail was reported 6 miles east of Bedford at 1812 EST. Golf ball size hail was reported on the Lawrence-Jackson county line near Devils Backbone and south of Norman Station in Jackson County at 1813 EST.
INDIANA									
Vigo Co. BSW Terre Haute	27	0005 EST			0	0	?	?	Tstm.Wind
									An amateur radio operator reported 65 mph winds at Prairieton. Also a large tree was blown down across State Road 63 near Prairieton at 0007 EST.
Clay Co.	27	0040 EST			0	0	3	?	Tstm.Wind
									Severe thunderstorms caused power outages and blew down large limbs throughout Clay County as reported by the county sheriff.
Knox Co.	27	0125 EST			0	0	2	?	Tstm.Wind
									Large trees were downed by thunderstorm winds at Vincennes.
Washington Co.	27	1830EST			0	0	2	0	Hail (0.75)
Clarke Co.	27	2108EST			0	0	2	0	Hail (2.0)
									Large hail fell in Borden, Indiana, 20 miles north-northwest of Louisville.
Floyd Co.	27	2115EST			0	0	0	0	Hail (0.75)
Clark Co.	27	2132EST			0	0	2	0	Hail (2.0)
Vanderburgh Co.	28	1928 EST			0	0	2	?	Lightning
									Lightning struck the airport apron in front of the old terminal building about 150 feet from the National Weather Service Office at the Dress Airport. The lightning strike knocked the power out to the airport and left two holes in the asphalt about 6 inches apart. The largest hole was 12 inches in diameter and 4 inches deep.
Knox Co. Oakton	28	2147 EST 0.5	50		0	0	0	?	Tornado (F0)
									The Oakton Sheriff witnessed a tornado moving across an open field.
Knox Co. Freelandville	28	2205 EST 0.5	50		0	0	0	?	Tornado (F0)
									A small tornado was sighted just east of Freelandville. No damage or injuries were reported.
Bartholomew Co.	28	2230-2400 EST			0	0	?	?	Flash Flood
									Heavy rains flooded sections of Bartholomew County and a bridge was washed out 2 miles south of Hartsville. Numerous State Roads were under water, including SR58, 2 miles south of Ogilville.
Floyd Co.	29	2055EST			0	0	2	0	Hail (1.0)
IOWA									
Clay County, Rossie	02	2125 CST			0	0	3	0	Hail (1.75)
Palo Alto County, Ayrshire	02	2200 CST			0	0	3	0	Hail (1.00)
									An area of thunderstorms moved into Northwest Iowa. One of them became severe, dropping golfball size hail at Rossie. Smaller hail fell at Ayrshire, covering the ground.
Kossuth County: Lakota	22	0805 CST			0	0	3	0	Hail (0.75)
Swea City	22	0805 CST			0	0	3	0	Tstm Winds (61)
Winnnebago County, Buffalo Center	22	0815 CST			0	0	3	0	Tstm Winds (50+)
Kossuth County: Bancroft	22	0815 CST			0	0	4	0	Tstm Winds (50+)
55 Bancroft	22	0830 CST			0	0	3	0	Hail (1.00)
Titonka	22	0838 CST			0	0	5	0	Tstm Winds (70)
Hancock County, Britt	22	0855 CST			0	0	4	0	Tstm Winds (61)
Palo Alto County, 1E West Bend	22	0900 CST			0	0	4	0	Tstm Winds (61)
Kossuth County, 3E St. Joseph	22	0915 CST			0	0	5	0	Tstm Winds (85)
Humboldt County: 6E Livermore	22	0920 CST			0	1	0	0	Lightning
Renvick	22	0920 CST			0	0	5	0	Tstm Winds (80)
2W Bode	22	0930 CST	.2	35	0	0	4	0	Tornado (F0)
Wright County, Goldfield	22	0930 CST			0	0	4	0	Tstm Winds (65)
Webster County: Dayton	22	1010 CST			0	0	3	0	Tstm Winds (50+)
4E Harcourt	22	1020 CST	.2	30	0	0	3	0	Tornado (F0)
Boone County, Mackey	22	1045 CST			0	0	4	0	Tstm Winds (61)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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	

IOWA

A large supercell developed over Southwest Minnesota during the early morning hours. The main cell developed into a small cluster as it moved southeast into Iowa. It produced winds from 70 to near 100 MPH along with some hail. Hail was reported to be 2 inches deep over northern Kosuth County. The Department of Transportation was called to clear the roads. There were 2 tornadoes. The first was over northwest Humboldt County, and was the result of rapid south-west flank development on the Kosuth County storm. As the storms moved south-southeast, a 2nd tornado touched down in southeast Webster County. One injury occurred with these storms. A man in a pickup truck was struck by lightning near Livermore. The most striking thing with these storms was the very high winds. Kosuth and Humboldt counties bore the brunt of the high winds. The most severe damage occurred in an area between St. Joseph in Kosuth County to near Renwick in Humboldt County. High tension lines were brought down by the high winds. Reports indicate that 40% of the farms in Kosuth County suffered major damage. Put another way, that is about 300 farmsteads. Total damage estimates from Kosuth County run about \$15 million. Humboldt County reported about \$9 million in damage. In Wright County, damage was placed at \$3 million. The storms continued southeast, but remained below the severe limits.

Linn County, Ely	22 1515 CST				0	0	3	0	Lightning
Johnson County, Swisher	22 1520 CST				0	1	2	0	Lightning
Thunderstorms developed in East-Central Iowa. Lightning struck a home in Ely, causing a small fire and causing \$2,000 damage. In Swisher, lightning struck a house. It came through the window and hit a man watching TV.									
Muscatine County, Muscatine	22 1848 CST				0	0	3	0	Lightning
Lightning struck a house in Muscatine, starting a small fire.									
Cedar County, BSW Tipton	22 2000 CST				0	0	4	0	Lightning
Lightning struck a farm house, setting it on fire.									
Muscatine County, Muscatine	22 2251 CST				0	0	3	0	Lightning
Lightning struck another house in Muscatine, starting a small fire.									
Fayette County, 2 1/2 N Hawkeye	22 2330 CST				0	0	3	0	Lightning
Lightning struck a barn, causing a minor fire on the roof.									
Mitchell County, 2 N Osage	23 1213 CST				0	0	4	0	Lightning
Lightning set a corn crib and barn on fire north of Osage.									
Clay County: Royal	24 1005 CST				0	0	3	0	Hail (1.75)
8S Spencer	24 1030 CST				0	0	3	0	Hail (1.75)
3NE Everly	24 1107 CST				0	0	3	0	Hail (1.75)
5W Spencer	24 1107 CST				0	0	3	0	Hail (1.75)
Kosuth County, Bancroft	24 1340 CST				0	0	3	0	Hail (1.50)
Thunderstorms moved across Northwest and North-Central Iowa. Heavy rain and scattered hail up to golfball size occurred with them. No significant winds were reported.									
Clayton County, McGregor	24 2245 CST				0	0	2	0	Hail (.875)
A thunderstorm moved through the McGregor area, dropping hail about nickel size.									
Mitchell County: St. Ansgar	25 0840 CST				0	0	0	0	Funnel Cloud
1N Mitchell	25 0850 CST				0	0	4	0	Tstm.Winds (50+)
Mitchell	25 0855 CST				0	0	3	0	Hail (1.75)
A small area of thunderstorms moved into Northern Iowa. A funnel cloud was sighted at St. Ansgar, with high winds and hail reported farther east.									
Lyon County, 1S Little Rock	26 0945 CST				0	0	4	0	Tstm.Winds (50+)
Osceola County, Ocheydan	26 0958 CST				0	0	3	0	Tstm.Winds (59+)
Dickinson County: West Okoboji	26 1010 CST				0	0	3	0	Tstm.Winds (61)
Spirit Lake	26 1015 CST				0	0	4	0	Tstm.Winds (65)
Spirit Lake	26 1025 CST				0	0	3	0	Hail (1.75)
Emmet County, Estherville	26 1030 CST				0	0	2	0	Hail (.75)
Kosuth County: Fenton	26 1125 CST				0	0	2	0	Hail (.75)
Titonka	26 1145 CST				0	0	2	0	Hail (.75)
Hancock County, Crystal Lake	26 1220 CST				0	0	2	0	Hail (.75)
Mitchell County, Mitchell	26 1245 CST				0	0	2	0	Hail (.75)
Once again thunderstorms developed over Northwest Iowa and moved east. High winds and hail were the trademark of these storms. Winds blew the roof off a barn and destroyed a hog shed in Lyon County. Winds of 65 to 75 MPH buffeted Dickinson County along with golfball size hail. The storms weakened as they progressed eastward with only marble to dime size hail reported farther to the east.									

IOWA

Black Hawk County: Waterloo	26 1341 CST				0	0	2	0	Tstm.Winds (50)
Cedar Falls	26 1400 CST				0	0	3	0	Tstm.Winds (50+)
Waterloo	26 1401 CST				0	0	2	0	Hail (.75)
Buchanan County: Independence	26 1414 CST				0	0	4	0	Tstm.Winds (61)
Oterville	26 1414 CST	.1	10		0	0	3	0	Tornado (F1)
Boone County: 1W Ogden	26 1430 CST				0	0	3	0	Hail (1.00)
Ridgeport	26 1435 CST	1.0	70		0	0	4	0	Tornado (F1)
Linn County, 4W Coggon	26 1450 CST				0	0	0	0	Funnel Cloud
Dallas County, Granger	26 1455 CST				1	0	4	0	High Winds M210
Polk County, 2SE Grimes	26 1500 CST				0	1	4	0	High Winds
Story County, 2S Gilbert	26 1500 CST				0	0	0	0	Wall Cloud
Boone County, 2W Madrid	26 1510 CST				0	0	3	0	Hail (1.75)
Linn County: Marion	26 1510 CST				0	0	3	0	Tstm.Winds (60)
Central City	26 1515 CST				0	0	3	0	Hail (1.75)
28 Springfield to H...Vernon	26 1522 to 1534 CST	6.0	40		0	0	4	0	Tornado (F1)
Cedar Rapids	26 1535 CST				0	0	4	0	Tstm.Winds (70)
Polk County, Alleman	26 1535 CST				0	0	2	0	Hail (.875)
Jones County, Martelle	26 1540 CST				0	0	3	0	Tstm.Winds (50+)
Cedar County: Mechanicsville	26 1544 CST				0	0	4	0	Tstm.Winds (70)
Tipton	26 1614 CST				0	0	4	0	Tstm.Winds (61)
Polk County: 1E Ankeny	26 1551 CST				0	0	4	0	Hail
Ankeny	26 1555 CST				0	0	4	0	Tstm.Winds (61)
Jasper County, Colfax	26 1555 CST				0	0	3	0	Hail (1.50)
Linn County, 2NW Cedar Rapids	26 1555 CST				0	0	4	0	Tstm.Winds (61)
Polk County, Altoona	26 1557 CST				0	0	4	0	Hail (1.75)
Story County, I-35, 2S Hwy. 30	26 1605 CST				0	0	2	0	Lightning
Johnson County, Iowa City	26 1605 CST				0	0	3	0	Tstm.Winds (57)
Polk County, Bervick	26 1615 CST				0	0	5	0	Tstm.Winds (80)
Delaware County, Manchester	26 1620 CST				0	0	4	0	Tstm.Winds (50+)
Jones County, Oxford Junction	26 1630 CST				0	0	3	0	Tstm.Winds (50+)
Jasper County, Monroe	26 1637 CST				0	0	3	0	Hail (1.75)
Muscatine County: West Liberty	26 1640 CST				0	0	3	0	Tstm.Winds (50+)
Muscatine	26 1700 CST				0	0	4	0	Tstm.Winds (61)
Scott County, Buffalo	26 1710 CST				0	0	4	0	Tstm.Winds (61)
Des Moines County, Burlington	26 1745 CST				0	0	4	0	Tstm.Winds (50+)
Lee County, Fort Madison	26 1755 CST				0	0	0	0	Funnel Cloud
Wapello County, Ottumwa	26 1757 CST				0	0	0	0	Funnel Cloud
Lee County, Keokuk	26 1800 CST				0	0	3	0	Lightning
Jefferson County, Fairfield	26 1800 CST				0	0	2	0	Hail (1.00)
Scott County: Blue Grass	26 1800 CST				0	0	4	0	Tstm.Winds (50+)
Buffalo	26 1800 CST				0	0	4	0	Tstm.Winds (50+)
Washington County, Brighton	26 1815 CST				0	0	4	0	Hail (1.50)
Van Buren County, 2NW Dowds	26 1820 CST				0	0	3	0	Tstm.Winds (50+)
Wapello County, Ottumwa	26 1830 CST				0	0	3	0	Tstm.Winds (50+)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1989

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
IOWA										IOWA									
Lee County: St. Paul	26	1835 CST			0	0	2	0	Hail (1.00)	Plymouth County, 10E Merrill	27	1845 CST	.4	30	0	0	1	0	Tornado (F0)
2E Houghton	26	1835 CST			0	0	3	0	Hail (1.00)	Monona County, Onawa	27	1845 CST			0	0	5	0	Tstm.Winds (50+)
Donnellson	26	1837 CST			0	0	2	0	Hail (.75)	Woodbury County, Anthon	27	1850 CST			0	0	2	0	Tstm.Winds (50+)
Fort Madison	26	1840 CST			0	0	3	0	Tstm.Winds (50+)	Shelby County: Panama	27	1909 CST			0	0	2	0	Hail (.75)
Van Buren County, Stockport	26	1844 CST			0	0	3	0	Hail (1.75)	3NE Portsmouth	27	1910 CST	.1	30	0	0	2	3	Tornado (F0)
Henry County, 4E Mt. Pleasant	26	1845 CST			0	0	4	0	Tstm.Winds (50+)	3SW Harlan	27	1915 CST	.1	30	0	0	2	2	Tornado (F0)
Henry County, Mt. Pleasant	26	1900 CST			0	0	3	0	Tstm.Winds (50+)	Shelby County, Elk Horn	27	1920 CST			0	0	3	0	Tstm.Winds (50+)
Des Moines County, Burlington	26	1903 CST			0	0	3	0	Tstm.Winds (50+)	Pottawattamie County, Avoca	27	1930 CST			0	0	0	0	Funnel Cloud
<p>Following the development of thunderstorms during the morning, severe thunderstorms rekindled along the outflow boundary from the earlier convection. Hail was widespread with up to golfball size reported at several locations. High winds caused considerable tree and powerline damage. One particularly strong storm developed northwest of Des Moines. A tornado touched down in Boone County; 70 to 90 MPH winds hit in northern Polk County. High winds caused a guy wire to snap on a radio tower at Berwick. At the storms inception, outflow winds resulted in a couple incidents. The first was in Dallas County, where a fresh block wall was toppled on a man. The second was southeast of Crimes, where a truck driver lost control of his rig as the gust hit him. The rig overturned.</p>										<p>A tornado carved an intermittent, 15 mile long path northeastward from Wall Lake, Sac County to 1 mile northeast of Lytton, Calhoun Co.</p>									
Wapello County, Agency	27	0655 CST			0	0	2	0	Hail (.75)	Harrison County, 2SW Little Sioux	27	1930 CST			0	0	4	2	Tstm.Winds (50+)
Cedar County: Mechanicsville	27	1544 CST			0	0	4	0	Tstm.Winds (70)	Sac and Calhoun Counties, Wall Lake to 1NE Lytton	27	1935 to 15 2014 CST	60	0	0	3	0	Tornado (F1)	
Tipton	27	1614 CST			0	0	4	0	Tstm.Winds (61)	Fremont County, Hamburg	27	1945 CST			0	0	6	2	Tstm.Winds (50+)
Jackson County, 1SE Preston	27	1614 CST			0	0	4	0	Tstm.Winds (50+)	Guthrie County, Guthrie Center	27	2015 CST			0	0	4	0	Tstm.Winds (50+)
Davis County, Floris	27	1615 CST			0	0	3	0	Hail (1.75)	Woodbury County, Anthon	27	2017 CST			0	0	3	0	Lightning
Wapello County: Ottumwa	27	1615 CST			0	0	2	0	Hail (.875)	Montgomery County: Villisca	27	2030 CST			0	0	4	0	Tstm Winds (50+)
4S Agency	27	1620 CST			0	0	4	0	Hail (2.50)	Red Oak	27	2035 CST			0	0	5	2	Tstm Winds (50+)
Agency	27	1635 CST			0	0	2	0	Hail (1.00)	Page County: Shenandoah	27	2035 CST			0	0	5	2	Tstm Winds (50+)
Muscatine County: West Liberty	27	1640 CST			0	0	3	0	Tstm.Winds (50+)	Clarinda	27	2040 CST			0	0	4	2	Tstm Winds (67)
Muscatine	27	1700 CST			0	0	4	0	Tstm.Winds (61)	Taylor County, 5NW Gravity	27	2118 CST			0	0	4	0	Tstm Winds (50+)
Scott County, Buffalo	27	1710 CST			0	0	4	0	Tstm.Winds (61)	Adams County, Corning	27	2119 CST			0	1	6	0	Tstm Winds (70)
Van Buren County: 2NW Keosauqua	27	1720 CST	.3	20	0	0	3	0	Tornado (F0)	Adair County, Greenfield	27	2120 CST			0	0	4	0	Tstm Winds (50+)
1W Keosauqua	27	1737 CST			0	0	3	0	Hail (1.75)	Taylor County, Lenox	27	2125 CST			0	0	4	0	Tstm Winds (50+)
Leando	27	1745 CST			0	0	4	0	Hail (2.00)	Union County, Creston	27	2130 CST			0	0	4	0	Tstm Winds (50+)
Davis and Van Buren Counties, 4NW Troy to 4W Mt. Sterling	27	1750 to 1830 CST	18	60	0	0	5	0	Tornado (F2)	Story County, Ames	27	2135 CST			0	0	2	0	Hail (.75)
Van Buren County, Mt. Sterling	27	1829 CST			0	0	3	0	Hail (1.50)	Ida County, Battle Creek	27	2145 CST			0	0	3	0	Lightning
Lee County: St. Paul	27	1835 CST			0	0	2	0	Hail (1.00)	Lightning caused a small fire in a house.	27	2145 CST			0	0	4	0	Tstm Winds (50+)
Fort Madison	27	1840 CST			0	0	3	0	Tstm.Winds (50+)	Ringold County, Mt. Ayr	27	2145 CST			0	0	4	0	Tstm Winds (50+)
Henry County, 4E Mt. Pleasant	27	1845 CST			0	0	4	0	Tstm.Winds (50+)	Madison County: 1NW Winterset	27	2155 CST			0	0	0	0	Funnel Cloud
Des Moines County, Burlington	27	1903 CST			0	0	3	0	Tstm.Winds (50+)	Winterset	27	2157 CST			0	0	5	0	Tstm Winds (61)
<p>Thunderstorms fired up along a warm frontal boundary during the late afternoon hours. The storms were confined to a relatively small area. High winds blew the roof off a house in Mechanicsville and a trailer in Tipton. Winds overturned two mobile homes and downed a corn crib in Scott County. A barn was blown down and a van blown off the road in Muscatine County. Elsewhere, hail up to golfball size was common, along with winds of 60 to 70 MPH. One of the storms became exceptionally strong. It dropped a small tornado northwest of Keosauqua. A short time later, another cell developed just to the west. A tornado touched down in eastern Davis County. It moved southeast into Van Buren County. It was last seen west of Mt. Sterling. This storm dropped enough marble to ping pong ball size hail in Mt. Sterling to completely cover the ground.</p>										<p>A line of severe thunderstorms moved into Western Iowa during the evening. It moved rapidly northeast. Due to the rapid movement, numerous reports of high winds were received. Hail was common, but most of it was marble size. Golfball size hail fell in Harrison County. Numerous small tornadoes were spawned. Most of these were brief touchdowns and swept through farm fields. The strongest one was in Sac County. Late in the evening, a bow echo developed in Southwest Iowa. Winds of 60 to 80 MPH were common with its passage. Winds overturned a trailer in Corning, injuring one person. Roofs were blown off a few houses in Corning and a tin building was blown onto a police car. There were two other injuries that night in Council Bluffs. A tornado touched down near Malmore Acres northeast to near 9th Avenue and 13th Street. One person was injured at the Dog Track by flying debris. The track sustained damage to siding and exterior trim. Vehicles parked at the track were damaged by wind-blown debris and fallen trees. A second person received minor injuries when hit by flying debris. Tool sheds and dozens of trees, as well as traffic lights and signs were damaged along the tornado path. The storms reached Central Iowa before weakening below severe levels for the most part. The last severe weather report came from Johnson County, where 2-inch diameter hail fell. A radio tower was struck by lightning in Altoona. Damage was set at \$250,000 to \$500,000. Both the tower and the transmitter building were destroyed.</p>									
Plymouth County, Akron	27	1810 CST			0	0	4	0	Tstm.Winds (50+)	Warren County, Norwalk	27	2217 CST			0	0	4	0	Tstm Winds (61)
Harrison County, 4W Missouri Valley	27	1815 CST			0	0	3	0	Hail (1.75)	Polk County: Des Moines Airport	27	2223 CST			0	0	3	0	Tstm Winds (57)
Woodbury County, 12SE Sioux City	27	1833 CST	.1	20	0	0	3	0	Tornado (F0)	West Des Moines	27	2224 CST			0	0	2	0	Hail (.75)
Pottawattamie County: 6S Omaha to 3SE Omaha	27	1835 to 1840 CST	3.8	60	0	2	5	3	Tornado (F0)	Altoona	27	2230 CST			0	0	5	0	Lightning
Council Bluffs and Underwood	27	1840 CST			0	0	4	3	Tstm.Winds (50+)	Johnson County, Shueyville	28	0030 CST			0	0	4	0	Hail (2.00)
										Black Hawk County, Waterloo	28	0100 CST			0	0	4	0	Lightning
										<p>Lightning struck a pole barn in Waterloo. The barn was burned along with a 1962 Ford.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1989

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					KILLED	INJURED	PROPERTY	CROPS	
14 KANSAS									
Miami Co. Osawatimie	03	0827CST			0	0	2	2	Hail (1.25)
	A severe thunderstorm formed in far east-central Kansas and dropped large hail in Osawatimie before moving into Missouri. No major damage was reported.								
KSZ001-002-004	08-09	2000 to 1600CST			0	0	0	0	Heavy Snow
Northwest Kansas	A low pressure system over the central Rockies brought locally heavy snow to much of northwest Kansas from the late evening hours of the 8th through the early afternoon on the 9th. Lighter amounts of snow fell across southwest Kansas. Snowfall amounts from the storm included 12 inches at Winona, 11 inches at Goodland, 9 inches at Oakley and 7 inches at Scott City. Some other reports from southwest Kansas included 4 inches at both Garden City and Dodge City. The high water content of the snow brought much needed topsoil moisture to the region. Light winds accompanied the snowfall, but no major drifting or road problems were reported.								
Montgomery Co. Coffeyville	16	0946CST			0	0	3	0	High Winds
	Strong surface winds of 40 MPH with some gusts as high as 60 MPH occurred in southeast Kansas ahead of a low pressure system in eastern Colorado. The winds knocked over a tree in Coffeyville that in turn downed power lines, disrupting local cable TV service and electricity for a short time.								
Harper Co. Anthony	20	1005CST			0	0	2	2	Hail (1.0)
6SW Anthony	20	1008CST			0	0	2	2	Hail (1.75)
	A line of severe thunderstorms moved through a small portion of south-central Kansas during the late morning hours. Hail as large as golfballs was reported with the storms. No major damage occurred with the hail.								
Norton Co. Atemna	23	1705CST **75	25	0	0	0	0	2	Tornado (F0)
10N Norton	23	1740CST **75	25	0	0	0	0	2	Tornado (F0)
2S Atemna	23	1750CST **75	25	0	0	0	0	2	Tornado (F0)
Phillips Co. 3NW Long Island	23	1712CST **75	25	0	0	0	0	2	Tornado (F0)
1W Long Island	23	1718CST **75	25	0	0	0	0	2	Tornado (F0)
14W Phillipsburg	23	1735CST .1	50	0	0	0	0	2	Tornado (F1)
2N Prairie View	23	1738CST **75	25	0	0	0	0	2	Tornado (F0)
1W Stuttgart	23	1744CST **75	25	0	0	0	0	2	Tornado (F0)
6N Phillipsburg	23	1816CST .1	50	0	0	0	0	2	Tornado (F1)
9N Phillipsburg	23	1826CST .1	50	0	0	0	0	2	Tornado (F1)
	A single, but severe, thunderstorm developed along the Kansas-Nebraska border during the early evening hours and spawned several tornadoes. The tornadoes apparently formed along the storms flanking line since the majority of the rain and hail associated with the parent cell occurred in Nebraska. The tornadoes touched down in open farm country with only minor crop damage reported. As many as four tornadoes were observed on the ground at the same time in Phillips County. Marble size hail also fell 15 miles north of Phillipsburg.								
Sedgwick Co. Wichita	26	2300CST			0	0	4	0	TSTM Wind
Reno Co. Pretty Prairie	26	2330CST			0	0	4	0	TSTM Wind
	Severe thunderstorms moved into south-central Kansas from northwest Oklahoma and produced strong, damaging winds in some areas. Winds up to 60 MPH caused an airplane at Jarbara Airport in Wichita to be overturned, while the strong winds unroofed a metal shed in Pretty Prairie. Considerable blowing dust also accompanied the strong winds with visibilities reduced to under half a mile at times. Very little rain fell from the thunderstorms.								
— KANSAS									
Kingman Co. 5S Kingman	27	1555CST			0	0	2	2	Hail (.75)
Lincoln Co. 4NW Denmark	27	1622CST			0	0	3	3	Hail (1.75)
Reno Co. Partridge	27	1628CST			0	0	3	3	Hail (1.75)
1W Hutchinson	27	1657CST			0	0	3	3	Hail (1.50)
Hutchinson	27	1710CST			0	0	3	2	Hail (1.25)
Buhler	27	1742CST			0	0	3	3	Hail (1.75)
Nemaha Co. Seneca	27	1650CST			0	0	3	3	Hail (1.75)
Mitchell Co. Asherville	27	1652CST			0	0	2	2	Hail (.75)
Jewell Co. 10E Burr Oak	27	1655CST			0	0	3	3	Hail (.75), TSTM Wind (52)
Mankato	27	1710CST			0	0	2	2	Hail (.75)
10E Jewell	27	1710CST			0	0	2	2	Hail (.75)
Ellsworth Co. 1W Holywood	27	1710CST			0	0	2	3	Hail (1.0)
Lincoln Co. 1E Lincoln	27	1715CST			0	1	3	0	Lightning
Republic Co. 1.5NW Norway	27	1720CST			0	0	3	2	TSTM Wind (52)
Belleville	27	1740CST			0	0	3	2	TSTM Wind (52)
Lincoln Co. 3S Juniata	27	1724CST			0	0	3	3	Hail (1.75)
Rice Co. Chase	27	1725CST			0	0	3	3	Hail (1.75)
Cloud Co. Concordia	27	1735CST			0	0	3	2	TSTM Wind (52)
9ESE Concordia	27	1814CST			0	0	3	2	TSTM Wind (52)
McPherson Co. 3S McPherson	27	1806CST			0	0	3	3	Hail (1.75)
Washington Co. 10SW Washington	27	1900CST			0	0	3	2	TSTM Wind (61)
Dickinson Co. 5NW Herington	27	1935CST			0	0	2	3	Hail (.75)
Saline Co. 1E Falum	27	2052CST			0	0	2	3	Hail (.75)
	A line of severe thunderstorms formed along a cold front in central Kansas during the late afternoon and evening hours. The storms produced large hail, up to golfball size, and strong, straight-line winds of 60 to 70 MPH. The hail did damage to the already drought-stricken wheat crop and to some automobiles. Considerable wind damage was done to farm buildings, with some trees uprooted and power poles downed in north-central Kansas. The strong, straight-line winds downed trees up to 3 feet in diameter just west of Norway and also damaged an airplane hangar at the Concordia Airport. Lightning also struck a home in Lincoln at 1715 CST and entered the house through a phone line. A woman was using the telephone at the time of the strike and received an electrical shock. She was thrown four feet from where she was originally standing and came out of her shoes. She felt intense heat, a burning sensation and some numbness, but recovered quickly with the aid of some cold towels applied by her husband. The lightning strike also destroyed two television sets, the telephone and every light bulb in the kitchen. The woman said that the burning sensation lingered for some time after the initial shock.								
Morton Co. 6NW Richfield	28	1710CST			0	0	0	0	Funnel Clouds
	Several cold air funnel clouds were sighted in northern Morton County during the late afternoon hours. The funnels only lasted a short time before dissipating.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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									
Lincoln Co.	02	2010EST	1/10	20	0	0	2	0	Tornado (F0)
		A small tornado touched down three miles east of Stanford about 29 miles south of Lexington. The tornado uprooted trees and caused only minor damage.							
Ballard Co.	03	1850CST			0	0	2	0	Hail (0.88)
McCracken Co.	03	1850CST			0	0	2	0	Hail (1.00)
Ballard Co.	03	1900CST	1/4	50	0	0	4	0	Tornado (F0)
		A small tornado tossed a tin shed about 75 yards and ripped the roof off part of a house near Oscar.							
Fulton Co.	03	1925CST			0	0	2	0	Thunderstorm Wind
		Thunderstorm winds gusting to around 70 mph flattened a garage, blew away outbuildings, overturned a camper and uprooted trees in the small town of Salem.							
Webster Co. Hopkins Co.	03	2000CST	10	100	0	1	6	2	Tornado (F2)
		A tornado set down on the southwest side of Providence and moved east, hopping and skipping through town. The tornado continued east with an intermittent damage track into Hopkins County where it ended just west of Nebo. The tornado produced the most damage in Providence, with 30 homes and 16 automobiles damaged. Eight homes and 1 auto were destroyed. One woman required seven stitches in her foot when the mobile home she occupied flipped 40 to 50 feet across a road. The tornado decreased to F1 intensity in Hopkins County as it skipped through remote wooded areas only.							
Meade Co.	03	2012EST			0	0	2	0	Hail (1.5)
Muhlenburg Co.	03	2030CST	3.5	100	0	0	6	3	Tornado (F2)
		An F1 tornado set down on the west edge of Bremen and moved east, intensifying to an F2 while on the ground. A total of 37 homes were damaged along with a church. Very large trees (over 70 feet tall) were snapped and uprooted. One farmhouse lost over 30 orchard trees.							
Bullitt Co.	03	2109EST	1/4	40	0	0	2	0	Tornado (F0)
		A small tornado touched down in an open field in the Brooks Hill neighborhood, 7 miles south of Standiford Field (SDF). No damage was reported.							
Grayson Co.	03	2135CST			0	0	4	0	Thunderstorm Wind
		Thunderstorm winds in excess of 70 mph destroyed several barns near Meredith. In addition a mobile home and several other outbuildings were destroyed just northwest of Leitchfield.							
Nelson Co.	03	2215EST			0	0	4	0	Thunderstorm Wind
		Wind gusting above 70 mph demolished a mobile home in Fairfield. In addition several barns just outside Chaplin were damaged.							
Robertson Co.	03	2230EST			0	0	2	0	Hail (1.5)
Jefferson Co.	03	2320EST			0	0	5	0	Flash Flood
		Around 3.7 inches of rain in a 3 hour period overwhelmed the Louisville area drainage system, flooding several thousand basements and forcing the evacuation of more than 60 homes. It was reported that water reached the tops of cars in some low-lying areas of Louisville.							
Bullitt Co.	03	2330EST			0	0	3	0	Thunderstorm Wind
		Winds gusting to around 70 mph toppled and uprooted over 100 trees in the Cedar Grove area. In addition some minor damage was done to a house in the area.							
Boyle Co.	04	0007EST			0	0	2	0	Hail (1.5)
Spencer Co.	04	0015EST	1/2	40	0	0	5	0	Tornado (F0)
		A small tornado set down 3 miles east of Waterford. A 100 foot long shed was completely destroyed. Roofs were torn off barns at a farm and considerable damage was done to a large two-story house.							
Hardin Co.	04	0015EST			0	0	5	0	Thunderstorm Wind
		Thunderstorm winds gusting to around 80 mph did considerable damage throughout the county. Roofs were torn off several houses, trees and power lines were snapped, windows were broken and a 100 foot high sign at a Waffle House was toppled onto the roof of the Waffle House. About 1,700 people were without power for several hours.							
— KENTUCKY									
Fayette Co.	04	0035EST			0	0	3	0	Thunderstorm Wind
		Thunderstorm winds gusting to around 60 mph blew down several trees and power lines in the city of Lexington. Tree limbs blocked roads and several locations were without power for 3 or 4 hours.							
Morgan Co.	04	0150EST			0	0	3	0	Thunderstorm Wind
		Trees and power lines were blown down in West Liberty from thunderstorm winds gusting to around 60 mph.							
Owsley Co.	04	0200EST			0	0	3	0	Thunderstorm Wind
		Thunderstorm winds gusting to 60 mph damaged a house and uprooted some trees 7 miles southwest of Booneville.							
Bell Co.	04	0330EST			0	0	3	0	Thunderstorm Wind
		Winds gusting to 60 mph blew a large tree down in the community of Middlesboro. In addition several trees were blown down throughout the county.							
Spencer Co.	26	1740EST			0	0	2	0	Hail (0.75)
Letcher Co.	26	1800EST			0	0	2	0	Hail (2.0)
Shelby Co.	26	1856EST			0	0	2	0	Hail (2.50)
Letcher Co.	26	1930EST			0	0	2	0	Hail (1.0)
Letcher Co.	26	1930EST			0	0	4	3	Flash Flood
		Heavy rain produced flash flooding along several creeks and streams near Mayking, 4 miles northeast of Whitesburg. Several homes and business were damaged and some roads were washed out.							
Garrard Co.	26	1930EST			0	0	2	0	Hail (2.0)
Shelby Co.	26	1932EST			0	0	3	0	Flash Flood
		Three inches of rain which fell in less than one hour covered roads in the western part of the county.							
Jefferson Co.	26	1945EST			0	0	3	0	Flash Flooding
		Nearly five inches of rain in less than two hours flooded streets and roads in Fisherville in the southeast part of the county.							
Shelby Co.	26	2104EST			0	0	2	0	Hail (2.0)
Jefferson Co.	26	2132EST			0	0	2	0	Hail (1.75)
Jessamine Co.	26	2133EST			0	0	4	3	Thunderstorm Wind Hail (2.0)
		Winds gusting to 60 mph did considerable damage to barn roofs in the southern portion of the county. In addition some very heavy rain in the area washed out some tobacco beds.							
Knox Co.	28	1131EST			0	0	2	0	Hail (0.75)
Breathitt Co.	28	1255EST			0	0	2	0	Hail (1.0)
Jefferson Co.	28	2016EST			0	0	2	0	Hail (2.0)
16 LOUISIANA									
LAZ001 Extreme NW Louisiana	01-10	0000CST- 2300CST			0	0	6	?	Flooding
		Rainfall amounts ranging between 6 and 12 inches that occurred over northeast Texas and southwest Arkansas on March 28th and 29th resulted in flooding along the shores of Lake Caddo, Lake Bodeau, and Lake Bistineau, all to the northwest of Shreveport. The flooding around Lake Caddo, which crested at 177.2 ft on the 2nd, was the most significant. Approximately 80 families were cut off from their homes for several days by the high water. The major rivers of northwest Louisiana, the Sabine and Red, remained below floodstage. However, minor flooding of overflow channels occurred in Shreveport, and near Logansport four mobile home parks were inundated, along with several secondary roadways.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1989

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					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS		
22 MISSISSIPPI											MISSISSIPPI										
Coahoma County, Friars Point	03	2350CST			0	0	4	0	Thunderstorm Winds	Trees were blown down and a house was damaged in northwest Coahoma County.	Neshoba County, 7SW Philadelphia	04	1223CST			0	0	?	0	Hail (.75)	
Coahoma County, 4NE Clarksdale	04	0002CST			0	0	5	0	Thunderstorm Winds	A roof was blown off of a school. Several homes suffered roof damage.	Neshoba County, 10SW Philadelphia	04	1310CST			0	0	?	0	Hail (.75)	
Bolivar County, 5W Cleveland	04	0005CST			0	0	4	0	Thunderstorm Winds	A roof was blown off of a barn.	Lauderdale County, 10NE Meridian	04	1315CST			0	0	?	0	Hail (1.00)	
Marshall County, Holly Springs	04	0015CST			0	0	?	0	Thunderstorm Winds	Large tree limbs were blown down.	Newton County, 4W Union	04	1320CST			0	0	?	0	Hail (1.00)	
Tippah County, Ripley	04	0050CST			0	0	5	0	Thunderstorm Winds	Several businesses were damaged by high winds. The roof was blown off one building. Several other buildings had awnings torn off and windows blown out.	Clarke County, Quitman	04	1325CST			0	0	?	0	Hail (.75)	
Union County, New Albany	04	0100CST			0	0	4	0	Thunderstorm Winds	Several large limbs were blown out of trees. One large limb went through the roof of a home.	Jones County, 2W Ellisville	04	1355CST			0	0	?	0	Hail (.75)	
Lee County, 4NW Tupelo	04	0130CST			0	0	4	0	Thunderstorm Winds	A small metal building was destroyed. Several trees and power lines were blown down.	Jones County, 10S Ellisville	04	1355CST			0	0	?	0	Hail (.75)	
Oktibbeha County, 5NE Starkville	04	0530CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were blown down.	Clarke County, Shubuta	04	1400CST			0	0	?	0	Hail (.75)	
Leflore County, Itta Bena	04	0635CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were blown down.	Wayne County, Hiwannee	04	1415CST			0	0	?	0	Hail (1.00)	
Lowndes County, 8S Columbus	04	0640CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were blown down.	Jones County, Laurel	04	1420CST			0	0	?	0	Hail (.75)	
Leflore County, 6W Morgan City	04	0645CST	.5	50	0	0	5	0	Tornado (F1)	A tornado touched down briefly on a farm and destroyed outbuildings, a workshop, and a tractor shed; and blew down some big trees.	Jones County, 10S Laurel	04	1455CST			0	0	?	0	Hail (.75)	
Leflore County, 2N Sidon	04	0655CST	1.0	70	0	0	5	0	Tornado (F1)	A small tornado destroyed a tractor shed and damaged 5 grain bins. One home and mobile home sustained damage.	Wayne County, 2E Buckatunna	04	1545CST			0	0	?	0	Hail (1.00)	
Pontotoc County, 7NE Pontotoc	04	0720CST			0	0	?	0	Thunderstorm Winds	Several large trees were blown down.	Amite County, 10SW Liberty	04	1610CST			0	0	?	0	Hail (1.75)	
Carroll County, Carrollton	04	0730CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were blown down.	Amite County, 8E Liberty	04	1643CST			0	0	?	0	Hail (1.00)	
Montgomery County, Winona	04	0745CST			0	0	?	0	Thunderstorm Winds	A utility building was blown away. Shingles were blown off several homes.	Clarke County, Shubuta	04	1655CST			0	0	?	0	Hail (1.00)	
Washington County, 3W Hollandale	04	0745CST	.3	50	0	0	0	0	Tornado (F0)	A tornado touched down briefly in a field, but did no damage.	Wayne County, Hiwannee	04	1700CST			0	0	?	0	Hail (1.00)	
Montgomery County, Stewart and Sibleyton	04	0800CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were blown down.	Jasper County, Stringer	05	1630CST			0	0	4	0	High Wind	A rainshower produced strong winds that blew down trees and a roof off of a small house. The air was very dry. The rain caused a tremendous cooling effect and resulted in strong gusty winds.
Choctaw County, 15NW Ackerman	04	0815CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were blown down.	Lauderdale County, 5S Meridian	09	1810CST			0	0	?	0	Hail (.75)	
Choctaw County, 2S Ackerman	04	0830CST			0	0	0	0	Funnel Cloud		Lauderdale County, 8SE Meridian	09	1820CST			0	0	?	0	Hail (.75)	
Issaquena County, Fittler	04	0910CST			0	0	?	0	Thunderstorm Winds	Some signs were blown down and a roof was blown off of a bus stop.	Most of Mississippi	10-11				0	0	5	0	Late-Season Freeze	Temperatures fell below freezing across all but Coastal Mississippi on the mornings of the 10th and 11th. Many local gardens were devastated. The peach and blueberry crops suffered some damage.
Yazoo County, Yazoo City	04	0930CST			0	0	3	0	Thunderstorm Winds	Some signs were blown down and a roof was blown off of a bus stop.	Lincoln County, Auburn	28	1244CST			0	0	?	0	Hail (1.00)	
Madison County, Canton	04	1115CST			0	0	?	0	Thunderstorm Winds	Trees and power lines were blown down.	Jefferson County, 10E Fayette	28	1325CST			0	0	?	0	Hail (.75)	
Leake County, 2SE Good Hope	04	1130CST			0	0	?	0	Thunderstorm Winds	Trees were blown down.	Copiah County, 3E Hazlehurst	28	1405CST			0	0	?	0	Hail (1.00)	
Leake County, 8E Carthage	04	1150CST			0	0	?	0	Hail (.75)		Jones County, 9N Laurel	28	1515CST			0	0	?	0	Hail (1.00)	
											Newton County, 5NE Decatur	28	1635CST			0	0	?	0	Hail (1.00)	
											Lauderdale County, 17NE Meridian	28	1650CST			0	0	?	0	Hail (1.00)	
											Lauderdale County, 15N Meridian	28	1700CST			0	0	?	0	Hail (1.25)	
											Lauderdale County, 13NE Meridian	28	1700CST			0	0	?	0	Hail (.75)	
											Walhall County, 7E Tylertown	29	1820CST			0	0	3	0	Lightning	Lightning killed one cow and four calves standing under a tree.
											Calhoun County, Bruce	30	1530CST			0	0	4	0	Flash Flood	A thunderstorm dropped 3.8 inches of rain on Bruce in one hour. Seven businesses and one home were flooded.

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					KILLED	INJURED	PROPERTY	CROPS	
23 MISSOURI									
Lawrence County, 2 N Monett	02	1525CST			0	0	0	0	Hail (0.75)
Barry County, Monett	02	1557CST			0	0	0	0	Hail (0.75)
Greene County: Republic	02	1620CST			0	0	0	0	Hail (0.75)
3 E Republic	02	1630CST			0	0	0	0	Hail (1.00)
SE Springfield	02	1641CST			0	0	0	0	Hail (0.75)
northern portions	02	1645CST			0	0	0	0	Hail (1.00)
Christian County, E of Ozark	02	1700CST			0	0	0	0	Hail (1.00)
Webster and NE Christian Counties	02	1717CST			0	0	0	0	Hail (1.75)
Douglas County, 5 N Ava	02	1745CST			0	0	0	0	Hail (1.75)
Cass County: Drexel	03	0842CST			0	0	3	0	Hail (1.50)
Drexel	03	0850CST			0	0	3	0	Hail
Harrisonville	03	0850CST							Hail
4 S Archie	03	0857CST							Hail
West-Central Benton County	03	0905CST			0	0	0	0	Hail (0.75)
Henry County, Urlich	03	0915CST			0	0	3	0	Hail (1.50)
Morgan County, Stover	03	0925CST			0	0	?	?	Hail (1.75)
Osage County, Linn	03	1050CST			0	0	0	0	Hail (0.75)
Gasconade County, Owensville	03	1102CST			0	0	?	?	Hail (1.75)
Franklin County: Gerald	03	1125CST			0	0	0	0	Hail (0.75)
Union	03	1137- 1140CST			0	0	0	0	Hail (0.75)
Jefferson and St. Louis Counties	03	1215- 1225CST			0	0	0	0	Hail (1.75)
					Hail from 3/4 inch diameter to golf ball size fell from extreme southern St. Louis County to Imperial and Pevely in Jefferson County.				
St. Charles County, 5 SW St. Charles	03	1410CST			0	0	3	0	Hail (1.00)
					Hail up to 1 inch in diameter broke some windows at a school.				
Texas County, 20 E Cabool	03	1420CST			0	0	0	0	Hail (0.75)
St. Charles County, St. Charles	03	1425CST			0	0	2	0	Hail (0.75)
					Hail up to 3/4 inch in diameter was accompanied by street flooding on South Main in St. Charles.				
St. Louis County, Hazelwood	03	1430CST			0	0	0	0	Hail (0.75)
Shannon County: Eminence	03	1440CST			0	0	0	0	Hail (1.00)
Eminence	03	1445- 1500CST			0	0	4	0	Hail (2.50)
					Hail from one inch diameter to baseball size fell in and around Eminence.				
Howell County, West Plains	03	1500CST			0	0	4	0	Hail (1.75)
					Hail of up to golf ball size produced damage in and around West Plains.				
Reynolds County, Ellington	03	1500- 1515CST			0	0	4	0	Hail (1.75) TSTM Wind
					Hail of up to golf ball size and strong winds produced damage in and around Ellington.				
Douglas County, Ava	03	1515CST			0	0	0	0	Hail (1.75)
Howell County	03	1525CST			0	0	3	0	Hail (1.75)
Wayne County, Piedmont	03	1541CST			0	0	3	0	Hail (2.00)
Taney County, N of Branson	03	1605CST			0	0	0	0	Hail (1.75)
					Hail of up to golf ball size fell just north of Branson.				
MISSOURI									
Texas County	03	1605CST			0	0	3	0	Hail (1.75)
					Hail of up to golf ball size covered the ground in the northern portion of Texas County.				
Wayne County: W of Greenville	03	1612CST	1/4	50	0	0	0	0	Tornado (F0)
Greenville	03	1620CST	1/2	50	0	0	4	0	Tornado (F1)
4 E Greenville	03	1640CST	2	50	0	0	6	0	Tornado (F1)
					A tornado touched down briefly along Big Lake Creek west of Greenville. A second tornado touched down briefly in Greenville, destroying two barns and blowing windows out at the courthouse. A third tornado four miles east of Greenville damaged several mobile homes, downed several hundred trees and power lines, and did considerable damage to a factory.				
Bollinger County, Grassy	03	1645CST			0	0	5	0	TSTM Wind Hail (1.00)
					Wind downed many trees and power lines. Hail of up to 1 inch in diameter accompanied the storm.				
Stoddard County, Advance	03	1700CST			0	0	4	0	TSTM Wind
					Winds produced scattered damage. Some trees were downed.				
Cape Girardeau County, Delta	03	1710CST			0	0	3	0	Hail (1.75)
Scott County, Chaffee	03	1715CST			0	0	3	0	TSTM Wind
					Winds of up to around 50 knots produced scattered damage near Chaffee.				
Taney County, Taneyville	03	1715CST			0	0	0	0	Hail (1.00)
Cape Girardeau County, Whitewater	03	1720CST			0	0	3	0	TSTM Wind (52)
					Winds of up to 52 knots blew trees down onto a spotter's truck.				
Howell County, West Plains	03	1730CST			0	0	4	0	Hail (2.50)
					Hail of up to baseball size produced damage at West Plains.				
Ripley County, Doniphan	03	1730CST			0	0	0	0	Hail (1.00)
Oregon County: Alton	03	1730CST			0	0	4	0	TSTM Wind
Greer	03	1750CST			0	0	5	0	TSTM Wind
					Thunderstorm winds produced damage just north of Alton and extensive damage near Greer.				
Marion County, 5 N Hannibal	26	2045CST			0	0	3	0	TSTM Wind
					Winds reached 60 to 70 mph five miles north of Hannibal.				
Ralls County, New London	26	2055CST			0	0	5	0	TSTM Wind
					Winds of 60 mph or greater caused tree damage in and around New London.				
Pike County, Elberry	26	2100CST			0	0	?	?	TSTM Wind
					Winds of 60 to 70 mph were reported.				
St. Charles County, Portage Des Sioux	26	2210CST			0	0	4	0	TSTM Wind
					Winds of 60 to 70 mph produced tree damage and damaged a utility trailer.				
St. Louis County	26	2212CST			0	0	3	0	TSTM Wind
					Winds of 60 to 70 mph produced scattered tree damage in west and north portions of the county.				
Clark County: 10 NNW Kahoka	27	1830CST	1/2	50	0	0	2	0	Tornado (F1)
Fairmont	27	1920CST	1/4	50	0	0	0	0	Tornado (F1) Funnel Clouds
Luray	27	1925CST			0	0	0	0	Hail (1.00) Funnel Clouds
					A very large, supercell storm moved southeastward out of Iowa into extreme northeast Missouri. It spawned a tornado that touched down 3 miles south of the Missouri-Iowa state line on Highway 81, north-northeast of Luray and north-northwest of Kahoka. Minor damage was done to trees. A second tornado was spawned in Fairmont, but this one produced no known damage. A number of funnel cloud sightings were also reported by the Sheriff and various trained spotters in the Fairmont area. At 1925CST, hail of up to 1 inch in diameter fell and funnel clouds were sighted near Luray.				
Scotland County, Gorin	27	1942CST			0	0	3	0	Hail (1.75)
Lewis County, Williamstown	27	2005CST			0	0	0	0	Hail (1.00)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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									
Crawford County:									
Steelville	28	1820CST			0	0	3	0	Hail (1.75)
Steelville	28	1830CST			0	0	?	?	Hail (1.75)
		Hail of up to golf ball size fell over Steelville at 1820 CST and again at 1830 CST.							
24 MONTANA									
MTZ002	05	1700 MST			0	0	2	0	High Wind
West-Central Mountains		Trees and signs were blown down at Anaconda as high winds passed through the west-central mountains.							
MTZ003	05	2100 MST			0	0	1	0	High Wind
Northern Chinook		High winds caused minor damage at East Glacier. An anemometer was blown away.							
MTZ005-007	08	0800-1600 MST			0	0	0	0	Heavy Snow
North-Central and South-Central Montana		Six to ten inches of snow fell in the mountains during the day.							
Cascade County,	21	0005 MST			0	0	1	0	TSTM Wind
10 S Great Falls		Thunderstorm winds flipped an awning off a mobile home and carried it 50 to 70 feet. A funnel cloud was spotted 10 miles south of Great Falls.							
MTZ003-004-005-006-007-009	27-28	1200 MST-1200 MST			0	0	4	0	Winter Storm
Most of Montana		Heavy snow fell over all but Northeast Montana and the northwest mountains. Three feet of snow was reported in portions of Zone 9 and from 4 to 20 inches elsewhere. Minor power line damage occurred around Miles City. Miles City had between 18 and 20 inches of snow on the ground by the late afternoon of the 27th.							
25 NEBRASKA									
Blaine Co.	02	1315CST			0	0	5	3	Lightning
		A fire started by lightning burned 4800 acres of forest and rangeland from the Nebraska National Forest to just west of Dunning.							
NEZ005	02	1530CST			0	0	6	3	High Wind
Panhandle Nebraska		Strong northwest winds at Bridgeport blew portions of roofs off of barns and other buildings and blew out windows. Metal storage sheds were damaged and a water tank was blown over. Many homes received shingle damage along with bent antennas.							
NEZ011	03	1500CST-1600CST			0	0	3	3	High Wind (50)
Panhandle		Northwest winds gusted to 58 m.p.h. at Sidney.							
Madison Co.	03	1530CST			0	0	3	0	Damaging Wind
Norfolk		Microbursts damaged a doorway of one building and a roof of another.							
NEZ003	07	1445CST-1545CST			0	0	3	0	High Wind (53)
North-Central Nebraska		Northwest winds gusted to around 60 m.p.h. A peak gust of 61 m.p.h. was measured at O'Neill at 1545CST.							
NEZ001-NEZ011	08-09	1800CST-0600CST			0	0	1	1	Heavy Snow
Panhandle Nebraska		Heavy snow fell locally in the panhandle with 7 inches reported at Potter and 6 inches at Crawford. Other snowfalls were in the 1 to 5 inch range through the area.							
NEZ016	09	0000CST-1800CST			0	0	2	1	Heavy Snow
Southwest Nebraska		Nine inches of snow fell in extreme southwest Nebraska at Haigler.							
NEZ001	17	2033CST			0	0	2	3	High Wind (53)
North Panhandle Nebraska		Winds gusted briefly to 61 m.p.h. around Chadron. The winds kicked up clouds of blowing dust.							
NEBRASKA									
Cedar Co.	23	0445CST			0	0	4	0	Lightning
Coleridge		A lightning bolt split a large tree limb, and the falling limb heavily damaged a pickup truck.							
Furnas Co.	23	1700CST	0.2	40	0	0	4	1	Tornado (F0)
5S Beaver City		A tornado moving northeast touched down briefly 5 miles south of Beaver City, uprooting trees and damaging a center pivot irrigation system.							
Furnas Co.	23	1710CST	0.2	70	0	0	3	1	Tornado (F1)
3SW Oxford		A multiple vortex tornado moving northeast touched down in fields 3 miles southwest of Oxford. Minor damage was reported.							
Harlan Co.	23	1719CST	0.3	70	0	0	3	1	Tornado (F1)
4SW Ragan		A multiple vortex tornado moving northeast touched down in open country 4 miles southwest of Ragan. Minor damage was reported.							
Phelps Co.	23	1730CST	0.1	25	0	0	2	1	Tornado (F0)
2SW Funk		A small tornado moving to the northeast touched down briefly 2 miles southwest of Funk.							
Phelps Co.	23	1735CST			0	0	4	1	Thunderstorm Wind
Holdrege		Thunderstorm gusts blew a semi-trailer over on the southeast edge of town.							
Harlan Co.	23	1745CST	0.3	70	0	0	3	1	Tornado (F1)
8S Orleans		A multiple vortex tornado moving to the northeast was reported 8 miles south of Orleans.							
Furnas Co.	23	1750CST	0.1	25	0	0	2	1	Tornado (F0)
3N Arapahoe		A small tornado touched down in open fields 3 miles north of Arapahoe.							
Franklin Co.	23	1930CST	0.8	40	0	0	4	2	Tornado (F1)
3NW Macon		A tornado moving to the northeast touched for a path length of around 0.8 mile, uprooting trees and damaging power poles.							
Blaine Co.	24	1830CST			0	0	3	3	Hail (1.75)
8E Brewster									
Custer Co.	24	1850CST			0	0	3	2	Thunderstorm Wind
3N Merna		(59) Hail (2.75)							
Anselmo	24	1850CST			0	0	4	2	Hail (1.75)
		Thunderstorm gusts to 68 m.p.h. along with 2 and 3/4 inch hail were reported in rangeland north of Merna. Hail damaged vehicles at Anselmo.							
Loup Co.	24	1900CST			0	0	4	2	Hail (1.75)
Almeria									
Garfield Co.	24	1930CST			0	0	4	1	Thunderstorm Wind
Burwell		Thunderstorm winds flipped a flatbed truck and downed trees.							
Garfield Co.	24	1946CST			0	0	3	1	Thunderstorm Wind
8E Burwell		(52)							
		Wind gusts to around 60 m.p.h. caused property damage.							
Custer Co.	24	1930CST			0	0	6	4	Hail (4.50)
12W Sargent to Sargent		Hail upwards to 4 and 1/2 inches in diameter heavily damaged numerous vehicles, broke windows including at a greenhouse and damaged roofs.							
Custer Co.	24	1930CST			0	0	2	4	Lightning
3SW Broken Bow		A grass fire was started by lightning.							
Loup Co.	24	1940CST			0	0	2	3	Lightning
Taylor		Lightning started a grass fire near Taylor.							
Valley Co.	24	1952CST			0	0	4	2	Thunderstorm Wind
Ord		(50)							
		Tree limbs were broken by thunderstorm gusts to around 58 m.p.h.							
Wheeler Co.	24	2030CST			0	0	2	2	Hail (0.75)
Ericson									
Wheeler Co.	24	2045CST			0	0	2	2	Hail (0.75)
Bartlett									
Pierce Co.	24	2145CST			0	0	2	1	Thunderstorm Wind
2N Pierce		Wind gusts blew a car off of the road.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1989

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					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	

NEBRASKA

Stanton Co. Stanton	24	2146CST			0	0	4	2	Thunderstorm Wind (52) Sixty m.p.h. wind gusts in thunderstorms caused damaged to trees.
Madison Co. Norfolk	24	2152CST			0	0	3	2	Thunderstorm Wind (51) Wind gusts to 59 m.p.h. were measured at the airport.
Wayne Co. Winside, Wayne	24	2200CST			0	0	4	2	Thunderstorm Wind (54) Thunderstorm wind gusts to around 62 m.p.h. downed trees and power lines around both towns.
Scottsbluff Co. Henry	26	1943CST			0	0	3	2	Hail (1.50)
Dawes Co.	26	2045CST			0	0	2	2	Hail (0.75)
Dodge Co. Fremont	27	0735CST			0	0	5	2	Thunderstorm Wind (59) Gusts in thunderstorm winds estimated around 65 m.p.h. broke numerous trees and a number of power lines. A number of the broken limbs fell on houses.
Platte Co. Columbus	27	1700CST			0	0	4	2	Thunderstorm Wind Wind gusts downed tree limbs, power poles and a few trees.
Dodge Co. Fremont	27	1710CST			0	0	5	2	Thunderstorm Wind
Uehling	27	1720CST			0	0	5	1	Thunderstorm Wind Strong thunderstorm winds blew over a semi-trailer truck just south of Fremont. In Fremont winds broke tree limbs and damaged power lines and signs. At Uehling trees were blown down. Some older farm buildings and hog structures were damaged on farms in the area.
Sarpy Co. 2SE Gretna	27	1715CST			0	0	3	3	Hail (1.25)
Richardson Co. Humboldt	27	1715CST			0	0	4	2	Hail (1.75)
Saunders Co. 2E Ashland	27	1724CST			0	0	4	3	Hail (4.50)
Johnson Co. Elm Creek	27	1730CST			0	0	3	3	Hail (1.50)
Douglas Co. Valley	27	1730CST			0	0	5	2	Thunderstorm Wind Gusts during a thunderstorm blew the windows out of homes and broke tree limbs.
Otoe Co. Unadilla	27	1745CST			0	0	4	3	Hail (3.50)
Dodge Co. Hooper	27	1753CST			0	0	0	0	Funnel Cloud
Sarpy Co. 4WN Papillion	27	1815CST			0	0	4	2	Hail (1.50)
25W Bellevue	27	1825CST			0	0	4	2	Thunderstorm Wind (52)
1W Papillion	27	1825CST			0	0	0	0	Funnel Cloud
4NE Papillion	27	1825CST			0	0	0	0	Funnel Cloud
Douglas Co. Omaha 14SW OMA	27	1815CST			0	0	7	4	Hail (4.50)
Omaha 12SW OMA	27	1818CST			0	0	6	4	Hail (2.75)
Omaha 11NSW OMA	27	1820CST			0	0	5	3	Hail (1.50)
Omaha 6SW OMA	27	1832CST			0	0	6	3	Hail (1.75)
Omaha 5NSW OMA	27	1835CST			0	0	0	0	Funnel Cloud
Omaha 8SW OMA	27	1839CST			0	0	0	0	Funnel Cloud
Omaha 13SW OMA	27	1841CST			0	0	0	0	Funnel Cloud
A severe thunderstorm moved across the Omaha metropolitan area. Hail from 2 and 3/4 to 4 and 1/2 inches in diameter was reported in the Millard area and along Center Street from around 190th east to I-680. Other hail of upwards to 1 and 3/4 inches in diameter fell from west and southwest into central areas of town. Hail covered the ground in areas of west and southwest Omaha with drifts still remaining the next morning. The hail dented vehicles, damaged home and building roofs and siding, stripped leaves from trees and damaged gardens. Upwards to 2 and 1/2 to 3 inches of rain with the storm in a relatively short time caused flooding of streets and backed up sewers. Water was reported 3 feet deep in some city intersections, stalling vehicles. Wind gusts with the storm caused some broken tree branches and reports of utility line damage through the city.									

NEBRASKA

Saunders Co. Woodcliff	27	1820CST			0	0	4	2	Thunderstorm Wind
Ithaca	27	1853CST			0	0	4	3	Hail (1.75)
Malmo	27	1854CST			0	0	4	1	Thunderstorm Wind Thunderstorm gusts blew down power poles at Woodcliff. The roof was blown off of a barn and shed near Malmo. Hail damaged vehicles.
Lancaster Co. 4W Raymond	27	1830CST			0	0	4	2	Thunderstorm Wind Thunderstorm wind gusts destroyed a shed and killed sheep.
Otoe Co. Nebraska City	27	1845CST			0	0	3	3	Hail (1.00) Thunderstorm Wind One-inch hail caused minor property damage. Limbs were broken off of trees. Some power outages were reported.
Lancaster Co. 4SE Lincoln	27	1855CST			0	0	3	2	Hail (1.00)
Cass Co. Murdock	27	1905CST			0	0	5	3	Hail (1.75)
Plattsmouth	27	1910CST			0	0	5	2	Thunderstorm Wind One and three-quarter inch hail at Murdock damaged vehicles, roofs, and crops. The roof of the high school was punctured by the hail, allowing rain to enter and damage the building. Wind gusts broke tree limbs and downed power lines from Murdock into Plattsmouth. Roofs were blown off of a number of sheds in Plattsmouth.
Saunders Co. Cedar Bluffs	27	1916CST			0	0	5	2	Thunderstorm Wind (69) Thunderstorm gusts were estimated near 80 m.p.h.
Dodge Co. Fremont	27	1920CST			0	0	4	2	Thunderstorm Wind Thunderstorm wind gusts downed trees and damaged utility lines.
Douglas Co. 6SSE Elkhorn	27	1925CST			0	0	3	1	Thunderstorm Wind (52) Wind gusts in thunderstorms were estimated to around 60 m.p.h. by storm spotters.
Jefferson Co. Steele City	27	1940CST			0	0	3	1	Thunderstorm Wind Thunderstorm wind gusts broke large tree limbs.
Gage Co. 58 Beatrice	27	1945CST			0	0	3	1	Thunderstorm Wind Sheds were destroyed by thunderstorm wind gusts.
Cass Co.	27	2000CST			0	0	3	4	Flash Flood Weeping Water Creek was forced out of banks around Union by 2 to 4 inch downpours. Water was over a number of highways in the area.
Johnson Co. 2 1/2SW Tecumseh to 5NE Tecumseh	27	2000CST	8.0	80	0	0	6	3	Tornado (F1) A tornado touched down 2 and 1/2 miles southwest of Tecumseh and moved northeast 8 miles before lifting. Farm buildings were heavily damaged southwest of Tecumseh. In Tecumseh a number of buildings were damaged or destroyed including a large feed mill. To the northeast of town additional barns were destroyed and a trailer house was blown over.
Nemaha Co. Brock	27	2000CST			0	0	5	1	Thunderstorm Wind
1N Peru	27	2005CST			0	0	5	1	Thunderstorm Wind
4E Auburn	27	2010CST			0	0	4	2	Thunderstorm Wind Strong thunderstorm winds destroyed outbuildings near Brock. The area to the east to north of Peru sustained property damage to buildings, vehicles and irrigation systems. Trees and utility lines were downed through the area. At a farm east of Auburn machine and hog sheds were destroyed. Tree limbs were also broken in Auburn.
Pawnee Co. Table Rock	27	2015CST			0	0	3	3	Hail (1.75)
26 NEVADA									
NVZ003 Extreme Western Nevada	02	1230PST- 2200PST			0	0	0	0	High winds High winds developed on the lee of the Sierra Nevada in Extreme Western Nevada. Winds gusted to nearly 60 MPH in the Reno-Carson City area.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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					KILLED	INJURED	PROPERTY	CROPS	
27 NEW HAMPSHIRE ——— NONE REPORTED									
28 NEW JERSEY, Northern ——— NONE REPORTED									
28 NEW JERSEY, Southern ——— NONE REPORTED									
29 NEW MEXICO ——— NONE REPORTED									
30 NEW YORK, Coastal ——— NONE REPORTED									
30 NEW YORK, Central									
Areawide	01-0001EST-30 2359EST				0	0	?	?	Drought
	Precipitation continued below normal for the month. Drought conditions continued to worsen. Brush, grass and forest fires dominated the local media. The impact on wildlife has not yet been determined. Reservoirs continued a slow decline in water levels. A major rain event during mid April did provide some limited relief. As one state spokesman had said, "The patient is still critical, but improving."								
NYZ018 Adirondacks	07 0300-0900EST				0	0	4	0	Snow
	The central Adirondacks awoke to 8-10 inches of snow. Scattered electrical outages were reported in Eagle Bay and Raquette Lake. These outages were due to tree limbs shorting electrical lines.								
NYZ006-009-018 Susquehanna, Western Mohawk Valley and Adirondack regions	10 0600-1000EST				0	0	5	0	Snow and Freezing Rain
	Light snow and freezing rain fell over central areas of New York State. Icy road conditions prompted police to close some portions of I-81 and several local roads. Many accidents were reported throughout the region.								
30 NEW YORK, Western ——— NONE REPORTED									
31 NORTH CAROLINA									
Polk Co. Green Creek	4 1741EST				0	0	0	0	TSTM Winds
Mecklenburg Co. Matthews	4 1900EST				0	0	0	0	TSTM Winds
	Severe thunderstorms blew down trees and power lines in the southern mountains and the southern piedmont.								
Bladen Co. 4 SW Dublin	05 1538EST				0	0	4	0	TSTM Winds
	Trees were blown down and two mobile homes were destroyed by thunderstorm winds in Duplin Co.								
Scotland Co. 2 N Laurinburg	5 1905EST				0	0	0	0	TSTM Winds
	Severe thunderstorms winds blew down trees and power lines and blew a mobile home off its foundation just north of Laurinburg.								
— NORTH CAROLINA									
New Hanover Co. 5 N Wilmington	06 1238EST				0	0	0	0	TSTM Winds
Onslow Co. 5 SE Jacksonville	06 1317EST				0	0	0	0	Hail (0.75)
Carteret Co.	06 1345EST				0	0	0	0	Hail (0.75)
	Trees and power lines were blown down south of Wilmington. Large hail fell in Onslow and Carteret counties.								
NCZ010 012 NC Mountains	7 0600EST				0	0	0	0	Heavy Snow
	Heavy snow of up to seven inches fell in the southern and central mountains.								
NCZ009 Avery Co.	8 0700EST				0	0	0	0	Heavy Snow
	Four to five inches of snow fell over much of Avery County.								
NCZ002	11 1000EST				0	0	0	0	Heavy Snow
	A storm system off the North Carolina coast produced 2 to 5 inches of snow in the northern coastal area.								
Wake Co. 3 N Raleigh	25 1720EST				0	0	0	0	TSTM Winds
Franklin Co. near Pilot	25 1722EST				0	0	0	0	TSTM Winds
Wake Co. Johnston Co.	25 1730EST				0	0	5	0	TSTM Winds
Johnston Co. Princeton	25 1736EST				0	0	0	0	Hail (1.75)
Wayne Co. 2 N Rosewood	25 1800EST				0	0	5	0	TSTM Winds
Wayne Co. Grantham area	25 1805EST				0	0	4	0	TSTM Winds
Wayne Co. Mount Olive	25 1820EST				0	0	5	0	TSTM Winds
Duplin Co. Calypso	25 1840EST				0	0	6	0	TSTM Winds
Duplin Co. Calypso	25 1852EST				0	0	4	0	TSTM Winds
Duplin Co. Calypso	25 1908EST				0	0	4	0	TSTM Winds
	A cluster of severe thunderstorms crossed into North Carolina from Virginia moving southeast at about 40 MPH. These storms produced widespread wind damage across northern and eastern Wake County. In Zebulon the roof was blown off a small factory. Roofs were damaged on 3 homes, and numerous trees were blown down. Two barns were destroyed. In southern Franklin County three barns were destroyed and trees blown down. As the storms struck Princeton in Johnston County the roof was blown off a grocery store. Princeton High School suffered damage. Dozens of trees were blown down, destroying two houses. Two mobile homes were destroyed and 4 houses damaged. The storm entered Wayne County destroying two mobile homes near Rosewood. Five mobile homes were destroyed and numerous trees were blown down across central Wayne County. In the Mount Olive area a warehouse was destroyed and a school was heavily damaged. Trees and power lines were down all over town. Many houses and businesses received roof damage. In Duplin County the storm destroyed two barns and blew down trees in Calypso. Dime to golfball size hail was reported with this storm across Wake, Johnston and Wayne counties. Trees and power lines were blown down over much of northern Duplin County.								
Vance Co. Henderson	25 2008EST				0	0	0	0	Hail (0.75)
Person Co. Roxboro	25 2110EST				0	0	0	0	TSTM Winds Hail
Wayne Co. Fremont	25 2115EST				0	0	0	0	Hail (0.75)
Johnston Co.	25 2143EST				0	0	0	0	Hail (1.25)
Sampson Co.	25 2205EST				0	0	0	0	Hail (1.00)
Granville Co. 3 S Creedmoor	25 2220EST				0	0	0	0	Funnel Cloud
Wake Co. Raleigh	25 2220EST				0	0	0	0	Hail (1.50)
Durham Co. Durham	25 2240EST				0	1	5	0	TSTM Winds
Johnston Co. 3 E Clayton	25 2250EST				0	0	0	0	TSTM Winds
Onslow Co. Richlands	25 2254EST				0	0	0	0	TSTM Winds Hail (0.75)
Johnston Co. near Smithfield	25 2325EST				0	0	4	0	TSTM Winds
Johnston Co. Four Oaks	25 2358EST				0	0	5	0	TSTM Winds
	Numerous severe thunderstorms continued to track southeast across the piedmont. One inch hail fell over central and south Vance County. Trees were blown down west of Roxboro. Dime to golf ball size hail fell over western Johnston, Wayne, and Wake counties. In the city of Durham a powerful downburst blew down trees, damaged houses and blew the steeple off a church. One man was injured when his car was struck by a falling tree. In Johnston County trees and power lines were blown down east of Clayton. Trees were downed, two houses were damaged, and a large lumber shed was destroyed in the Smithfield area. As the storm moved southeast four mobile homes were destroyed in the Four Oaks area. Quarter size hail fell near Newton Grove and Spiveys Corner in Sampson County.								

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					KILLED	INJURED	PROPERTY	CROPS	
— NORTH CAROLINA									
Duplin Co. Faison Pender Co. Maple Hill	26	0015EST			0	0	0	0	Hail (0.75)
	26	0100EST			0	0	0	0	Hail (1.75)
	Thunderstorms produced large hail over southeastern North Carolina.								
Guilford Co. Greensboro	26	1923EST			0	0	0	0	TSTM Winds
	Severe thunderstorms winds blew down trees and power lines in and around the Greensboro area.								
Yadkin Co.	27	1500EST			0	1	0	0	Lightning
	A 28 year old man was struck and seriously injured by lightning while cutting wood in a rural area of southwest Yadkin County.								
Forsyth Co. Catawba Co. Cooksville	27	1515EST			0	0	0	0	Hail (1.75)
	27	1523EST			0	0	0	0	Hail (1.75)
Davie Co. Surry Co. Mt. Airy	27	1525EST			0	0	0	0	Hail (1.75)
	27	1530EST			0	0	4	0	TSTM Winds
Lincoln Co. 5 N Lincolnton	27	1614EST			0	0	0	0	TSTM Winds Hail (1.75)
Davie Co.	27	1632EST			0	0	0	0	TSTM Winds
Rockingham Co.	27	1635EST			0	0	0	0	TSTM Winds
Guilford Co. High Point	27	1638EST			0	0	0	0	Hail (0.75)
Davidson Co. Lexington	27	1654EST			0	0	0	0	Hail (1.00)
Rowan Co. Spencer	27	1658EST			0	0	0	0	Hail (1.00)
Avery Co. Newland	27	1700EST			0	0	0	0	Hail (1.75)
Caswell Co.	27	1720EST			0	0	0	0	TSTM Winds
Catawba Co. Claremont	27	1720EST			0	0	0	0	Funnel Cloud Hail (1.75)
Rockingham Co. Mecklenburg Co. Huntersville	27	1740EST			0	0	0	0	TSTM Winds
	27	1809EST			0	0	0	0	Hail (1.00)
	Severe thunderstorms spread mostly large hail and some wind downburst across western and central North Carolina. Nickel to golf ball size hail fell in Avery, Forsyth, Catawba, Davie, Lincoln, Guilford, Davidson, Rowan, Caswell, and Mecklenburg counties. In Surry County trees were blown down, and plate glass windows were blown out of a car dealer show room. Trees were blown down north of Lincolnton in Lincoln County as well as in Davie, Rockingham, and Caswell counties. A funnel cloud was sighted in Claremont.								
Orange Co. Caldwell	27	1700EST			0	0	0	0	TSTM Winds
Person Co. Roxboro	27	1700EST			0	0	0	0	TSTM Winds
Granville Co. 2 W Bullock	27	1710EST			0	0	0	0	TSTM Winds
Chatham Co. Siler City	27	1715EST			0	0	0	0	TSTM Winds
Granville Co. Oxford	27	1727EST			0	0	4	0	TSTM Winds
Chatham Co. Pittsboro	27	1740EST			0	0	0	0	TSTM Winds
Johnston Co.	27	1740EST			0	0	0	0	TSTM Winds
Franklin Co.	27	1745EST			0	0	0	0	TSTM Winds
Louisburg									
Warren Co. NE Warren Co.	27	1750EST			0	0	0	0	TSTM Winds
Nash Co. Spring Hope	27	1805EST			0	0	0	0	Hail (2.50)
Wake Co. Raleigh	27	1810EST			0	0	0	0	TSTM Winds
Nash Co. Dortches	27	1815EST			0	0	0	0	TSTM Winds
Moore Co. near Highfalls	27	1828EST			0	0	0	0	TSTM Winds
Durham Co. Durham	27	1830EST			0	0	0	0	TSTM Winds
Wilson Co. Wilson	27	1830EST			0	0	0	0	Hail (1.00)
Cumberland Co. Fayetteville	27	1850EST			0	0	4	0	TSTM Winds
Moore Co. near Vass	27	1850EST			0	0	0	0	TSTM Winds
Green Co.	27	1910EST			0	0	0	0	TSTM Winds
Wilson Co. Ela City	27	1910EST			0	0	0	0	Funnel Cloud
Lenoir Co. Kinston	27	1930EST			0	0	0	0	Hail (0.75)
Pitt Co. Greenville	27	1930EST			0	0	0	0	Hail (0.75)
Martin Co. Crossroads	27	1930EST			0	0	0	0	TSTM Winds
Washington Co. Plymouth	27	1957EST			0	0	0	0	TSTM Winds
Onslow Co. Jacksonville	27	2000EST			0	0	0	0	Hail (1.75)
— NORTH CAROLINA									
Jones Co. Pollocksville	27	2015EST			0	0	0	0	TSTM Winds
Cartaret Co. Stella	27	2030EST			0	0	0	0	Hail (0.75)
Brunswick Co. Bolivia	27	2100EST			0	0	0	0	Hail (0.75)
Tyrrell Co.	27	2100EST			0	0	0	0	TSTM Winds
Dare Co.	27	2115EST			0	0	0	0	TSTM Winds
	Severe thunderstorms continued their sweep across central and eastern North Carolina. A funnel cloud was sighted in Elm City in Wilson County. Tennis ball size hail fell near Spring Hope in Nash County. Dime to golf ball size hail also fell in Wilson, Green, Lenoir, Pitt, Onslow, Carteret, and Brunswick counties. In Oxford downburst winds blew down trees and power lines and damaged a gas station. The roof was blown off a small store in Fayetteville. Trees and power lines were also blown down in Orange, Person, Granville, Chatham, Vance, Johnston, Franklin, Warren, Wake, Nash, Durham, Wilson, Jones, Tyrrell, and Dare counties.								
Buncombe Co. Candler	28	1345EST			0	0	0	0	Hail (0.75)
	Nickel size hail fell in Candler.								
Green Co. Lindell	29	1400EST			0	0	0	0	Hail (0.75)
Lenoir Co. Kinston	29	1445EST			0	0	0	0	Hail (0.75)
Alamance Co. Union Co.	29	1507EST			0	0	0	0	TSTM Winds
	29	1620EST			0	0	0	0	Hail (1.50)
Mineral Springs									
Nash Co. Gold Rock	29	1637EST			0	1	0	0	TSTM Winds
Edgecombe Co. Pine Tops	29	1723EST			0	0	0	0	Funnel Cloud
Pitt Co. Hans Crossroads	29	1724EST			0	0	4	0	TSTM Winds
Pitt Co. Ayden	29	1740EST			0	0	0	0	Hail (1.75)
Bladen Co. Tarheel	29	1755EST			0	0	0	0	Hail (0.75)
Sampson Co. W of Clinton	29	1815EST			0	0	0	0	Hail (0.75)
Johnston Co. N of Selma	29	1845EST			0	0	0	0	TSTM Winds
	Severe thunderstorms swept across central and eastern North Carolina producing large hail and damaging winds. In Gold Rock a man was injured when he was struck by a sign blown down by the wind. Trees were also blown down in the Middlesex area of Nash County. In Edgecombe County the public reported a funnel cloud near Pine Tops. In Pitt County winds destroyed numerous farm buildings and blew down trees near Hans Crossroads. Large hail fell in Green, Lenoir, Union, Pitt, and Sampson counties. Wind damage to trees and power lines was reported in Alamance and Johnston counties.								
Union Co. Mineral Springs	30	1427EST			0	0	0	0	Hail (0.75)
Union Co. 6 W Unionville	30	1510EST			0	0	0	0	Hail (1.75)
Hoke Co. Raeford	30	1635EST			0	0	0	0	TSTM Winds
	Thunderstorms produced large hail in Union County. Trees and power lines were blown down in Raeford in Hoke County.								
32 NORTH DAKOTA									
Boottineau County, Lansford 15NNW	04	2140CST							Funnel
Extreme Eastern North Dakota NDZ015-016-017-018	05 to 28				0	0	7*		C Floods
	The melting of record-high snow cover in the Red River Valley caused severe flooding of the Red River and its tributaries.								
	Flooding on the Red River began at Wahpeton-Breckenridge on April 5. The crest moved northward through Fargo-Moorhead on April 9-10, Grand Forks-East Grand Forks and Oaoo, MN on April 14, Drayton on April 20-22, and Pembina on April 25-28.								
	The floodwaters inundated bridges, streets, roads, highways and parks. Thousands of acres of farmland were also flooded. The flooding damaged homes and flooded many basements. The flood also affected power availability, water supplies, and sewer systems.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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	

NORTH DAKOTA

Towner County, Gando	24	0735CST			0	0	0	0	Hail (1.75)
Extreme Southwest North Dakota ND2004	27	2000CST			0	0	0	0	Heavy Snow
	28	1100CST							

A late-season winter storm dropped 6 to 13 inches of snow in Bowman and Adam counties, in extreme southwest North Dakota. The heavy snow was combined with freezing rain at times, and created hazardous driving conditions.

33 OHIO

OH2009 Pike County	01	0000 EST- 05 0100 EST			0	0	?	0	Flood
The Scioto River at Piketon continued above flood stage from late March. The river crested at 20.2 feet at 1600 EST on the 1st of April. Flood stage is 16 feet and only lowland flooding occurred.									
OH2006 Pickaway County	01	0000 EST- 02 1500 EST			0	0	?	0	Flood
The Scioto River at Circleville continued above flood stage from late March. The river crested at 16.2 feet at 1300 EST on April 1st. Flood stage is 14.0 feet and only lowland flooding occurred.									
OH2008 Hamilton County	01	0000 EST- 01 1300 EST			0	0	?	0	Flood
The Great Miami River at Miamitown continued above flood stage from late March. The river crested at 17.0 feet at 0100 EST on April 1st. Flood stage is 16.0 feet and only minor lowland flooding occurred.									
OH2001 Lucas County	04	0630 EST- 06 0230 EST			0	0	?	0	Flood
The Maumee River at Waterville went above flood stage on the 4th and remained there until early on the 6th. The crest was at 9.6 feet at 1000 EST on the 5th. This was six tenths of a foot above flood stage. Only minor lowland flooding occurred.									
OH2002 Sandusky County	04	0648 EST- 06 0500 EST			0	0	?	0	Flood
The Portage River at Woodville went above flood stage on the 4th through the 6th. It crested at 10.2 feet at 0700 EST on the 5th. This was 1.2 feet above flood stage. Only minor lowland flooding occurred.									
OH2002 Erie County	04	0900 EST- 2100 EST			0	0	?	0	Flood
The Huron River at Milan went above flood stage for a short time on the 4th. It crested at 14.9 feet at 1430 EST, which was nine tenths of a foot above flood stage. Only minor lowland flooding occurred.									
OH2008 Hamilton County	04	1000 EST- 05 0230 EST			0	0	?	0	Flood
The Great Miami River at Miamitown went above flood stage for the second time in April on the 4th. It crested at 19.1 feet at 1300 EST on the 4th. This was 3.1 feet above flood stage. Only lowland flooding occurred.									
OH2006 Pickaway County	04	1700 EST- 07 1400 EST			0	0	?	0	Flood
The Scioto River at Circleville went above flood stage for the second time in April. The river crested at 16.7 feet at 2300 EST on the 5th of April. This was 2.7 feet above flood stage. Only lowland flooding occurred.									
OH2001 Williams County	05	1900 EST- 06 1300 EST			0	0	?	0	Flood
The St. Joseph River at Montpelier went into flood on the 5th of April. It crested at 12.1 feet at 0100 EST on the 6th. This was a tenth of a foot above flood stage. Only minor lowland flooding occurred.									
OH2001 Williams County	06	0700 EST- 2400 EST			0	0	?	0	Flood
The Tiffin River at Stryker went above flood stage for a time on the 6th. The crest occurred at 1400 EST and was two tenths of a foot above the flood stage of 11.0 feet. Only minor lowland flooding occurred.									

OHIO

Clinton County	17	1800 EST			0	0	5	0	Thunderstorm Wind
A thunderstorm blew down numerous trees and power lines, damaged cars, and took the roof off a building in New Vienna.									
Henry County	25	0630 EST			0	0	4	0	Lightning
Lightning struck a veterinary clinic in Napoleon. The ensuing fire did \$30,000 damage.									
Delaware County	25	1033 EST			0	0	?	0	Hail (1.00)
Washington County	25	1045 EST			0	0	5	0	Lightning
Delaware County	25	1048 EST			0	0	?	0	Hail (1.00)
Licking County	25	1100 EST			0	0	?	0	Hail (0.75)
Licking County	25	1110 EST			0	0	?	0	Hail (1.75)
Washington County	25	1305 EST			0	0	4	0	Thunderstorm Wind
Licking County	25	1312 EST			0	0	6	0	Hail (1.75)
Coshocton County	25	1330 EST			0	0	?	0	Hail (1.00)
Guernsey County	25	1345 EST			0	0	?	0	Hail (1.00)
Perry County	25	1355 EST			0	0	?	0	Hail (1.00)
Athens County	25	1415 EST			0	0	?	0	Hail (0.75)
Washington County	25	1440 EST			0	0	?	0	Hail (1.25)
Thunderstorms erupted across Central and East-Central Ohio during the late morning and early afternoon hours. Large hail mainly fell, but some wind and lightning damage occurred. Large hail fell in Delaware City and over the southern part of Delaware County. Several periods of large hail occurred at most locations in Licking County, and damage estimates were greater than \$1,000,000. Strong winds blew down trees and damaged buildings across Washington County, while large hail covered the ground in Belpre. Large hail fell over the eastern part of Coshocton County; in eastern Cambridge, Guernsey County; the central part of Perry County; and near Glouster and Hockingport in Athens County. Lightning struck a building and a truck in Marietta. The ensuing fire did \$65,000 damage.									
Fayette County	25	1755 EST			0	0	?	0	Hail (1.75)
Ross County	25	1835 EST			0	0	?	0	Hail (1.00)
Hocking County	25	2100 EST			0	0	5	0	Lightning
Clinton County	25	2130 EST			0	0	4	0	Thunderstorm Wind
Gallia County	25	2147 EST			0	0	?	0	Hail (1.75)
Jackson County	25	2147 EST			0	0	?	0	Hail (1.75)
Brown County	25	2150 EST			0	0	?	0	Hail (1.00)
Lawrence County	25	2300 EST			0	0	4	0	Thunderstorm Wind
Thunderstorms redeveloped later in the afternoon across the southern half of Ohio and produced wind damage and large hail. Large hail fell in Bloomingburg, Fayette County; 3 miles north of Chillicothe, Ross County; Rio Grande, Gallia County; Didwell, Jackson County; and Mount Orab, Brown County. Trees and power lines were blown down in and near Wilmington, Clinton County; and the eastern part of Lawrence County. Lightning struck a house in Laurelville, Hocking County. The ensuing fire destroyed the house.									
Greene County	25	2032 EST	5.5	125	0	16	6	0	Tornado (F2)
An F2 tornado struck the Shawnee Village area of northeast Xenia. Six houses were destroyed and four received major damage. There were 95 homes that received minor damage. Damage estimates total \$1,300,000. There were 15 minor injuries and one major injury which required hospitalization for 2 days. Two homes damaged by this tornado were damaged by the tornado in 1974.									
OH2006 Ross County	29	0730 EST- 1300 EST			0	0	?	0	Flood
Paint Creek at Bourneville went into flood briefly on the 29th. It crested at 11.3 feet at 1100 EST, which was 1.3 feet above flood stage. Only minor lowland flooding occurred.									
OH2009 Pike County	29	0800 EST- 01 0700 EST			0	0	?	0	Flood
The Scioto River at Piketon went above flood stage for the second time in April on the 29th. It remained above flood stage until the morning of May 1st. The crest was 21.1 feet at 0600 EST on the 30th, which was 5.1 feet above flood stage. Lowland and surrounding farmland was affected by this high water.									
OH2008 Hamilton County	29	1000 EST- 1100 EST			0	0	?	0	Flood
The Great Miami River at Miamitown briefly reached flood stage for the third time in April. The crest was equal to the flood stage of 16.0 feet. Only minor lowland flooding occurred.									
OH2006 Hocking County	29	1520 EST- 30 0530 EST			0	0	?	0	Flood
The Hocking River at Enterprise went above flood stage from the 29th into the 30th. It crested at 13.0 feet at 0000 EST on the 30th. This was one foot above flood stage. Only minor lowland flooding occurred.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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	
OHIO									
Hamilton County	29	1622 EST			0	0	4	0	Thunderstorm Wind
					0	0	?	0	Hail (1.75)
Warren County	29	1650 EST			0	0	4	0	Thunderstorm Wind
Clermont County	29	1656 EST			0	0	4	0	Thunderstorm Wind
Highland County	29	1720 EST			0	0	4	0	Thunderstorm Wind
<p>Thunderstorms moved through extreme southwest Ohio producing mainly wind damage. Roofs were blown off a barn near Harrison and a small building in Delhi, trees were blown down in the eastern part of the county and golfball size hail fell near the Tri-City Mall; all in Hamilton County. Trees were downed in Warren and Lebanon, in Warren County. Trees were blown down northeast of Batavia in Clermont County. Trees and power lines were blown down near Hillsboro in Highland County.</p>									
34 OKLAHOMA									
LeFlore County, Poteau	03	1704CST			0	0	?	?	Hail (1.75)
LeFlore County, Heavener	03	1710CST			0	0	?	?	Hail (2.00)
McCurtain County, Broken Bow	03	1815CST			0	0	?	?	Hail (1.00)
McCurtain County, Southern Broken Bow	03	1935CST			0	0	?	?	Hail (1.50)
<p>Thunderstorms developed along a cold front and produced hail up to two inches in diameter.</p>									
Tulsa County, Broken Arrow	18	0920CST			0	0	?	?	Hail (0.75)
Haskell County, 2 W Stigler	18	1630CST			0	0	?	?	Hail (0.75)
McCurtain County, 5 S Sherwood	18	1925CST			0	0	?	?	Hail (1.75)
McCurtain County, 4 NE Sherwood	18	1945CST			0	0	?	?	Hail (1.00)
<p>Thunderstorms developed in central Oklahoma and intensified while moving into eastern sections of the state. Other thunderstorms developed in east-central and southeast Oklahoma during the afternoon hours, producing hail up to the size of golfballs.</p>									
Grant County, 5 S Manchester	20	1005CST			0	0	?	?	Hail (0.75)
Grant County, 4 SW Wakita	20	1030CST			0	0	?	?	Hail (0.88)
Alfalfa County, 10 ENE Amorita	20	1030CST			0	0	?	?	Hail (1.75)
Ellis County, Arnett	20	1657CST			0	0	?	?	Hail (0.75)
Ellis County, 2 E Arnett	20	1716CST			0	0	?	?	Hail (1.00)
Ellis County, 8 S Arnett	20	1734CST			0	0	?	?	Hail (0.75)
Roger Mills County, 2 N Roll	20	1736CST			0	0	?	?	Hail (0.88)
Roger Mills County, 4 N Crawford	20	1756CST			0	0	?	?	Hail (1.25)
Roger Mills County, 4 N Crawford	20	1822CST			0	0	?	?	Hail (0.75)
Roger Mills County, 7 N Reydon	20	1835CST			0	0	?	?	Hail (1.75)
Roger Mills County, 7 N Reydon	20	1835CST			0	0	?	?	TSTM Wind (52)
<p>Thunderstorms in north-central Oklahoma during the late morning hours produced hail ranging from dime sized to golfball sized. Thunderstorms redeveloped in Northwest Oklahoma during the afternoon producing golfball-sized hail and wind gusts to 52 knots.</p>									
Ellis County, 11 NNE Shattuck	24	1814CST			0	0	?	?	Hail (0.75)
Harper County, 11 E Buffalo	24	1850CST			0	0	?	?	TSTM Wind (61)
Harper County, 11 E Buffalo	24	1855CST			0	0	?	?	Hail (1.00)
Harper County, 13 N Selman	24	1915CST			0	0	?	?	TSTM Wind (61)
<p>Thunderstorms in extreme northwest Oklahoma during the evening hours produced quarter-sized hail and wind gusts over 60 knots.</p>									
OKLAHOMA									
Harper County, 7 W Buffalo	25	1813CST			0	0	?	?	Hail (0.88)
Beckham County, Texola	25	1848CST			0	0	?	?	Hail (1.75)
Beckham County, Erick	25	1848CST			0	0	?	?	TSTM Wind (52)
Beckham County, Erick	25	1900CST			0	0	?	?	Hail (1.75)
Beckham County, 2 S Erick	25	1920CST			0	0	?	?	Hail (1.75)
Beckham County, 6 SW Erick	25	1931CST	0.02	20	0	0	?	?	Tornado (F0)
Roger Mills County, near Berlin	25	1935CST			0	0	?	?	Hail (1.00)
Beckham County, near Erick	25	1945CST			0	0	?	?	Hail (3.00)
Beckham County, 1 W Elk City	25	2004CST			0	0	?	?	Hail (1.00)
Roger Mills County, Carpenter	25	2020CST			0	0	?	?	Hail (1.00)
Washita County, 2 NW Canute	25	2020CST			0	0	?	?	Hail (0.75)
Beckham County, Erick	25	2030CST			0	0	?	?	Hail (1.75)
Beckham County, Erick	25	2030CST			0	0	?	?	TSTM Wind
Woods County, Waynoka	25	2038CST			0	0	?	?	TSTM Wind (74)
Custer County, Butler	25	2040CST			0	0	?	?	Hail (0.75)
Custer County, 6 W Arapaho	25	2050CST			0	0	?	?	Hail (0.88)
Woods County, Alva	25	2110CST			0	0	?	?	TSTM Wind (56)
Beckham County, 6 W Elk City	25	2127CST			0	0	?	?	Hail (0.75)
Dewey County, Fay	25	2130CST			0	0	?	?	Hail (1.75)
Roger Mills County, near Berlin	25	2134CST			0	0	?	?	Hail (1.25)
Roger Mills County, Carpenter	25	2153CST			0	0	?	?	Hail (0.75)
Washita County, 2 NW Canute	25	2200CST			0	0	?	?	Hail (0.75)
Beckham County, Elk City	25	2205CST			0	0	?	?	Hail (2.00)
Washita County, Canute	25	2222CST			0	0	?	?	Hail (1.00)
Custer County, near Clinton	25	2228CST			0	0	?	?	Hail (1.75)
Custer County, 1 E Weatherford	25	2306CST			0	0	?	?	Hail (2.00)
Custer County, Weatherford	25	2316CST			0	0	?	?	Hail (2.50)
Caddo County, Hydro	25	2332CST			0	0	?	?	Hail (0.75)
Blaine County, 2 N Hydro	25	2335CST			0	0	?	?	Hail (1.00)
Washita County, 3 NNW Colony	25	2345CST			0	0	?	?	TSTM Wind (52)
Blaine County, Geary	26	0002CST			0	0	?	?	Hail (0.75)
Canadian County, 5 NW Calumet	26	0010CST			0	0	?	?	Hail (1.00)
<p>Thunderstorms developed in the Texas panhandle and moved into western Oklahoma during the evening and nighttime hours. The towns of Erick and Texola in western Beckham County were affected by three separate severe thunderstorms between 1835 CST and 2030 CST. A weak (F0) tornado touched down at 1931 CST in an open field 6.5 miles southwest of Erick. The tornado was on the ground 4 minutes and there was no known damage. In Alva, strong thunderstorm winds of 65-85 mph damaged an apartment roof and toppled a truck-mounted oil rig. In Weatherford, hail up to the size of baseballs did over 200,000 dollars in damage to a local car dealer's lot. There was also considerable roof damage as well as many windows broken.</p>									
Beckham County, Texola	26	1648CST			0	0	?	?	Hail (1.00)
Roger Mills County, near Sweetwater	26	1655CST			0	0	?	?	Hail (0.88)
Harmon County, 4 SW Hollis	26	1725CST			0	0	?	?	Hail (0.75)
Roger Mills County, Reydon	26	1743CST			0	0	?	?	Hail (0.75)
Harmon County, Hollis	26	1745CST			0	0	?	?	Hail (1.00)
Beckham County, 8 NW Mayfield	26	1755CST			0	0	?	?	Hail (0.88)
Roger Mills County, 1 N Reydon	26	1809CST			0	0	?	?	Hail (1.00)
Harper County, Buffalo	26	1815CST			0	0	?	?	TSTM Wind (52)
Harper County, Buffalo	26	1815CST			0	0	?	?	Hail (1.75)
Woodward County, 6 N Woodward	26	1830CST			0	0	?	?	TSTM Wind

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1989

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
OKLAHOMA											
Ellis County, Fargo	26	1830CST			0	0	?	?			Hail (0.75)
Roger Mills County, Roll	26	1840CST			0	0	?	?			Hail (2.50)
Greer County, 2 N Reed	26	1845CST			0	0	?	?			Hail (1.00)
Woods County, 1 E Freedom	26	1900CST			0	0	?	?			TSTM Wind (52)
Ellis County, 18 SE Arnett	26	1900CST			0	0	?	?			Hail (1.00)
Woodward County, Tangier	26	1900CST			0	0	?	?			Hail (0.75)
Harper County, 5 N Selman	26	1900CST			0	0	?	?			Hail (0.75)
Woodward County, Mooreland	26	1910CST			0	0	?	?			Hail (0.75)
Dewey County, Vici	26	1920CST			0	0	?	?			Hail (0.88)
Roger Mills County, 4 N Angora	26	1930CST			0	0	?	?			Hail (1.25)
Tillman County, 5 NW Tipton	26	1940CST			0	0	?	?			TSTM Wind (52)
Jackson County, 8 E Altus	26	1945CST			0	0	?	?			Hail (0.75)
Jackson County, 8 E Altus	26	1945CST			0	0	?	?			TSTM Wind (61)
Woodward County, 10 ESE Sharon	26	2000CST			0	0	?	?			Hail (0.75)
Dewey County, 1 SW Vici	26	2000CST			0	0	?	?			Hail (0.75)
Woods County, 6 SW Alva	26	2000CST			0	0	?	?			Hail (0.75)
Roger Mills County, 5 SW Durham	26	2006CST			0	0	?	?			Hail (1.00)
Ellis County, Fargo	26	2045CST			0	0	?	?			Hail (1.00)
Roger Mills County, NW part of county	26	2046CST			0	0	?	?			Hail (1.00)
Woods County, 10 N Camp Houston	26	2140CST			0	0	?	?			Hail (1.00)
Woods County, 9 NNE Camp Houston	26	2200CST			0	0	?	?			TSTM Wind (61)
Major County, 5 NW Bouse Junction	26	2235CST			0	0	?	?			Hail (0.75)
Woods County, Alva	26	2237CST			0	0	?	?			Hail (0.88)
Alfalfa County, near Cherokee	26	2255CST			0	0	?	?			Hail (1.25)
Woods County, 8 S Dacoma	26	2305CST			0	0	?	?			TSTM Wind (52)
Grant County, 4 SW Manchester	26	2330CST			0	0	?	?			TSTM Wind (52)
Alfalfa County, 0.5 S Jet	26	2345CST			0	0	?	?			Hail (1.00)
Thunderstorms moved into western Oklahoma from the Texas panhandle and produced numerous reports of large hail and winds in excess of 50 knots.											
Pushmataha County, 6 E Albion	28	1821CST			0	0	?	?			Hail (1.00)
Pushmataha County, Nashoba	28	1830CST-2005CST			0	0	?	?			Hail (1.00)
Hail of up to quarter size occurred intermittently between these times and was still occurring at 2005CST.											
Pushmataha County, 2 S Honobia	28	1835CST			0	0	?	?			Hail (1.00)
Pushmataha County, 2 S Honobia	28	1915CST			0	0	?	?			Hail (0.75)
Pushmataha County, Pine Creek Park	28-	2000CST-29 0000CST			0	0	?	?			Hail (1.00)
A nearly stationary complex of severe thunderstorms produced hail of up to the size of quarters intermittently at Pine Creek State Park. The hail piled up 4 inches deep and caused minor damage to cars. Some trees were stripped of leaves.											
McCurtain County, 15 N Wright City	28	2110CST			0	0	?	?			Hail (1.00)
Bryan County, Kemp	28	2200CST			0	0	?	?			Hail (0.75)
Choctaw County, West side of Lake Hugo	28	2235CST			0	0	?	?			Hail (1.00)
Bryan County, 2.5 N Yuba	28	2245CST			0	0	?	?			Hail (1.25)
Choctaw County, 2 N Sawyer	28	2305CST			0	0	?	?			Hail (0.75)
Choctaw County, West side of Lake Hugo	28	2330CST			0	0	?	?			Hail (0.88)
Thunderstorms in southeast Oklahoma produced hail of up to the size of quarters.											
35 OREGON											
ORZ004 Portland Metropolitan Area	25	1600PST			0	1	?	?			Lightning
Thunderstorms formed in the late afternoon over the northern Oregon Cascades and moved into the Portland area in the late afternoon under an easterly flow. A 13 year old boy was slightly injured when lightning struck the ground near him in an open school yard. At about the same time, a Horizon Commuter Airline plane was struck several times by lightning at 3500 feet MSL while on its final approach to the Portland Airport.											
36 PENNSYLVANIA, Eastern— NONE REPORTED											
36 PENNSYLVANIA, Western											
Mercer County, 11 W Mercer	21	1545 EST			0	0	4	0			High Wind
Winds between 40 and 60 mph moved a 10 by 12 foot steel building and its contents about 100 feet, destroying the building. Skies were clear at the time.											
37 RHODE ISLAND — NONE REPORTED											
38 SOUTH CAROLINA											
Horry Co. Loris	04	1425EST			0	0	4	0			High Winds
High winds tore the roof off of a school building during clear skies.											
Oconee Co. Westminster to south edge of Seneca	04	1609EST	6	50	0	0	5	3			Tornado (F2) TSTM Wind Hail (1.00)
Anderson Co. western portion	04	1630EST			0	0	3	?			Hail (1.75)
Abbeville Co. Calhoun Falls	04	1630EST			0	0	5	0			TSTM Winds, Hail
Oconee Co. West of Clemson	04	1635EST			0	0	4	0			TSTM Winds, Hail (1.00)
Pickens Co. Clemson	04	1635EST			0	0	5	0			TSTM Winds, Hail (1.00)
Anderson Co. Anderson	04	1645EST			0	0	5	0			TSTM Winds, Hail (0.75)
Pickens Co. Liberty and Six Mile	04	1645EST			0	0	5	?			TSTM Winds
Abbeville Co. Abbeville	04	1648EST			0	0	4	0			TSTM Winds
Anderson Co. Powdersville to Greenville Co.	04	1650EST	5	75	0	0	6	?			Tornado (F2) Hail (1.25)
western Greenville Anderson Co.	04	1650EST			0	0	4	0			TSTM Winds
Belton-Honea Path Greenville Co.	04	1700EST			0	0	5	0			TSTM Winds, Hail (1.00)
Greenville Co. northern Greenwood	04	1700EST			0	0	3	0			TSTM Winds
Laurens Co. Gray Court	04	1705EST			0	0	5	?			TSTM Winds
Greenville Co. Greenville-	04	1706EST			0	0	3	0			TSTM Winds (62) Hail (0.75)
Spartanburg Jetport Greenville Co.	04	1710EST			0	0	6	0			TSTM Winds, Hail (1.00)
Mauldin and Simpsonville Laurens Co.	04	1715EST			0	0	3	0			TSTM Winds
Clinton Spartanburg Co.	04	1718EST	2	75	0	0	5	0			Tornado (F2)
Fairmont (11 E GSP) Spartanburg Co.	04	1730EST			0	0	4	0			Hail (1.00) TSTM Winds
Pacolet Union Co.	04	1735EST			0	0	3	0			TSTM Winds
Union Cherokee Co. 7 S Gaffney	04	1745EST	8	50	0	0	3	?			Tornado (F1)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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	

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	

— SOUTH CAROLINA

A decaying tornadic thunderstorm swept across Upstate South Carolina. It produced 4 short-lived tornadoes which caused some damage, but there were no casualties because the storms missed heavily populated sections and people were aware of the storm. The consensus is that the parent mesocyclone contained a stronger vortex which never quite reached the ground. Much of the damage was at higher levels rather than at the immediate surface. Also, inflow wind damage (blown from south to north) well south of the tornadoes' track was very impressive - almost as intense as the tornado winds in some cases. The tornadoes which were produced were probably smaller vortices that dipped down occasionally. Each one was observed, and in all cases were described as white-gray funnels. Some people stated the funnels were on the edge of a larger circulation.

The first tornado (minimal F2) occurred across southern Oconee County. Damage here was mostly to timber with many trees snapped off and uprooted. The next confirmed tornado (it is possible that a tornado occurred in Pickens County but substantial evidence has not been found) started in the eastern edge of Anderson County near Powdersville and quickly moved into Greenville County. The tornado was also a minimal F2 and skipped from the White Horse Road/I-85 intersection over to the Augusta Road area. Many trees fell on houses, road and advertising signs were destroyed, some moving cars were blown off the roads, and there was one report of a parked pickup truck being blown across the road. The third tornado occurred at Fairmont in Spartanburg County. It was also a minimal F2. Damage was similar to that in the Greenville tornado. Two sheriff's vehicles were caught among falling trees and an anchored mobile home was destroyed. The final tornado was an F1.7 miles south of Gaffney in Cherokee County. It touched down in an open area and only produced damage to trees and power lines. However, it had the longest track - 8 miles. The parent storm was rapidly weakening at that point.

A second steady-state thunderstorm moved into Abbeville County from Georgia. In South Carolina it produced very substantial downburst winds at Calhoun Falls, at Honea Path in southern Anderson County, and then in Laurens County. Trees fell on homes in Calhoun Falls, there was severe damage at Honea Path, and some mobile homes were destroyed near Gray Court. The storm then moved into southern Spartanburg County where homes were severely damaged at Pacolet.

The two steady-state storms, both decaying, were immediately followed by a "bow echo" squall line which produced gusts to about 75 mph over most of the Upstate. There were some pockets of more substantial downburst with the line. Damage from the line consisted mostly of uprooted trees, downed power lines, and damage to metal buildings and roofs. Some mobile homes were damaged or destroyed in southern Greenville County, and east of Mauldin a house under construction was blown down. A few businesses were damaged in Mauldin.

Large hail accompanied both steady-state storms with smaller hail common with the line. Some urban flooding occurred in Greenville County north of the tornado.

The wall cloud associated with the tornadic thunderstorm was observed by thousands of people to have a distinctive green color as it moved across the Upstate.

Greenville County was perhaps the hardest hit; damage was estimated at \$2 to 4 million. Damage in the other counties combined was about the same. Southern Bell called in out-of-state repair crews for the Greenville area for the first time in memory. Duke Power called in 250 extra crew members. The City of Greenville reported that 89 streets were blocked by fallen trees after the storm.

Orangeburg Co. Orangeburg	04 1800EST	0 0 3 0	TSTM Winds (45)	Scattered trees were downed in Orangeburg County.
Newberry Co. countywide	04 1808EST	0 0 5 0	TSTM Winds	Trees were blown down, interrupting power in Newberry.
Aiken Co. countywide	04 1812EST	0 0 5 0	TSTM Winds	Scattered damage to power lines from broken limbs and falling trees occurred throughout the county. Two thousand customers were without power.
York Co. Clover	04 1823EST	0 0 3 0	TSTM Winds	
Lexington Co. Lexington	04 1825EST	0 0 3 0	TSTM Winds	Scattered damage from falling trees occurred in and around Lexington.
York Co. Camp Thunderbird	04 1830EST	0 0 3 0	TSTM Winds	Trees were downed in Clover and Camp Thunderbird near Bethel.
Fairfield Co. countywide	04 1835EST	0 0 4 0	TSTM Winds	Scattered trees were downed, causing damage to power lines and some homes.
Lancaster Co. countywide	04 1850EST	0 0 4 0	TSTM Winds	Scattered trees were downed throughout the county.
Sumter Co. western part	04 1900EST	0 0 3 0	TSTM Winds	Trees were downed in the western part of the county.

— SOUTH CAROLINA

Harry Co. countywide	07 1300EST	0 0 4 0	High Winds (41)	High wind gusting to 48 mph caused several minor power outages mostly from falling limbs.
SC2001-002-003-004 Northwest South Carolina	12 AM	0 0 5 0	Freeze	Temperatures dropped to the upper twenties and frost formed across northwest South Carolina. Damage was done to peaches, watermelons and tender vegetables.
Spartanburg Co. Landrum	27 1500EST	0 0 2 5	Hail (1.75)	TSTM Winds
Spartanburg Co. just east of Campobello	27 1520EST	0 0 2 6	Hail (1.00)	TSTM Winds
Spartanburg Co. Lake Bowen to Pineville	27 1620EST	0 0 2 6	Hail (1.00)	TSTM Winds
Spartanburg Co. south of Chesnee	27 1630EST	0 0 2 5	Hail (1.00)	
Spartanburg Co. Rainbow Lake and Timber Lake Roads (5 S Pineville)	27 1645EST	0 0 5 0	Flash Flood	
A single severe thunderstorm moved from North Carolina into extreme northern Spartanburg County during the late afternoon. Repeated multi-cell storm development on the right rear quadrant of the storm caused severe weather conditions over parts of Spartanburg County for up to 24 hours. There were numerous reports of large hail that caused extensive damage to the peach crop. This same area was affected by a similar storm in May of 1988 which also destroyed the peach crop. There was much more rain in this year's storm. An estimated 5 to 6 inches fell over a small area near Lake Bowen. This caused several streams to rise rapidly and flood - 2 bridges were flooded over and were barricaded for several hours. Residents of the area said that these particular streams seldom flood. In the same area numerous trees and power lines were blown down by downburst winds. The storm finally began moving into western sections of Cherokee County as it weakened.				
Chesterfield Co. Chesterfield	30 1622EST	0 0 4 2	Hail (0.25)	

39 SOUTH DAKOTA

SDZ004 Northeast South Dakota	B1- 0600 to B3 0700 CST	0 0 0 0	Flood	The combination of a late snow pack and a rapid snow melt resulted in flooding along the upper James River in northeastern South Dakota. The James River near Columbia and Huron crested over three feet above flood stage.
SDZ008 Southwest South Dakota	27 1100 to 1600 MST	0 0 0 0	High Wind	High winds occurred in a small part of southwestern South Dakota. Winds gusted to more than 60 mph in the Rapid City area.
SDZ001 Northwest South Dakota	22- 2100 to 23 0015 MST	0 0 0 0	High Wind	Winds gusted to more than 60 mph in northwestern South Dakota during the evening of the 22nd. Buffalo reported a gust to 63 mph.
McPherson Co., Eureka	24 2326 CST	0 0 0 0	Hail (0.75)	
Deuel County, 28ENE Watertown	25 0530 CST	0 1 4 0	TSTM Wind	Thunderstorm winds overturned a truck and trailer, injuring one person and causing \$8,000 in damages.
Potter County, 1.5S Gettysburg	27 0115 CST	0 0 3 0	TSTM Wind	
Hyde County, 30SW Faulkton	27 0125 CST	0 0 0 0	Hail (0.75)	
Faulk County, Seneca	27 0440 CST	0 0 0 0	TSTM Wind (50)	
Minnehaha Co., 11E Sioux Falls	27 1930 CST	0 0 2 0	TSTM Wind	
SDZ001-006-007 Western South Dakota	27- 2300 MST 28 1700 MST	0 0 0 0	Winter Storm	Five to fourteen inches of wet snow fell across parts of extreme Western South Dakota. Many roads were closed in the northwest part of the state due to the wet snow.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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	
40 TENNESSEE											
TIPTON COUNTY	01	0000CST			8	0	7	0			FLOOD
					<p>The Hatchie River remained above flood stage at Riato on the 1st and did not go below flood stage until the 24th. It crested at 15.2 feet on April 3rd, this was 3.2 feet above flood stage. The river had been above flood stage for the previous three months. The Highway 51 bridge, crossing the Hatchie River along the border of Tipton and Lauderdale counties near Riato, collapsed on the 1st between 8:15PM and 8:30PM. It is believed that the collapse was due in large part to scouring. Eight people perished in this bridge disaster. M40V M24V M51V F45V F4V F44V M49V F25V.</p>						
LAKE COUNTY	03	1930CST			0	0	4	0			THUNDERSTORM WIND
LAUDERDALE COUNTY	03	2110CST			0	0	4	0			THUNDERSTORM WIND HAIL (0.75)
TIPTON COUNTY	03	2110CST			0	0	3	0			THUNDERSTORM WIND
HAYWOOD COUNTY	03	2135CST			0	0	2	0			THUNDERSTORM WIND HAIL (0.75)
FAYETTE COUNTY	03	2200CST			0	0	1	0			THUNDERSTORM WIND
MADISON COUNTY	03	2200CST			0	1	4	0			THUNDERSTORM WIND
HARDEMAN COUNTY	03	2200CST			0	0	0	0			THUNDERSTORM WIND
SHELBY COUNTY	03	2215CST			0	0	0	0			HAIL (0.75)
CARROLL COUNTY	03	2215CST			0	0	2	0			THUNDERSTORM WIND HAIL (0.75)
CHESTER COUNTY	03	2230CST			0	0	3	0			THUNDERSTORM WIND
HENDERSON COUNTY	03	2230CST			0	0	2	0			THUNDERSTORM WIND
CROCKETT COUNTY	03	2230CST			0	0	4	0			THUNDERSTORM WIND
DECATUR COUNTY	03	2235CST			0	0	3	0			THUNDERSTORM WIND
SHELBY COUNTY	03	2245CST			0	0	2	0			THUNDERSTORM WIND
HARDIN COUNTY	03	2300CST			0	0	1	0			THUNDERSTORM WIND HAIL (0.75)
BENTON COUNTY	03	2300CST			0	0	0	0			HAIL (0.75)
PERRY COUNTY	03	2305CST			0	0	0	0			THUNDERSTORM WIND HAIL (0.88)
LEWIS COUNTY	03	2310CST			0	0	2	0			THUNDERSTORM WIND
WAYNE COUNTY	03	2330CST			0	0	2	0			THUNDERSTORM WIND HAIL (1.75)
MAURY COUNTY	03	2345CST			0	0	5	0			THUNDERSTORM WIND
WILSON COUNTY	04	0050CST			0	0	2	0			THUNDERSTORM WIND
RUTHERFORD COUNTY	04	0055CST			0	0	4	0			THUNDERSTORM WIND
SMITH COUNTY	04	0055CST			0	0	2	0			THUNDERSTORM WIND
JACKSON COUNTY	04	0100CST			0	0	2	0			THUNDERSTORM WIND
CHEATHAM COUNTY	04	0300CST			0	0	5	0			LIGHTNING
					<p>A vigorous cold front moved west to east across Tennessee, causing many severe thunderstorms in west and middle sections of the state. Thunderstorm wind damage was widespread through 22 counties. Numerous trees were knocked down and uprooted. Power lines were downed and homes, barns and other buildings were damaged. In Memphis 3/4 inch hail fell on the south side and thunderstorm wind blew a large tree onto a house and broke windows and large signs in midtown. In Maury County at Mt. Pleasant, a manufacturing plant suffered heavy damage and several homes were damaged by thunderstorm wind. In Rutherford County a roof was torn off of a mobile home in Lavergne and at the Smyrna airport a Cessna 172's tie-down was broken, the plane flipping over onto a Cessna 182. In Madison County, a mobile home near Pinson was destroyed and a woman injured when the wall fell on her.</p>						
PERRY COUNTY, LOBELVILLE	04				0	0	0	0			FLOOD
CHEATHAM COUNTY, KINGSTON SPRINGS	04				0	0	0	0			FLOOD
					<p>The Buffalo River at Lobelville went above flood stage on the 4th and crested 2.7 feet above flood stage on the 6th. The Harpeth River at Kingston Springs went above flood stage on the 4th and crested on the 4th, 1.8 feet above flood stage.</p>						
TN2009-010-011-012-013-014-015-	11	0100CST			0	0	0	?			FREEZE
TN2001-002-003-004-005-006-007-008-	12	0000CST			0	0	0	?			FREEZE
					<p>Freezing temperatures hit the western half of the state on the 11th and the eastern half on the 12th, causing damage to some fruit crops. The hardest hit crops were peaches, plums and strawberries. Temperatures got down into the middle 20s at many locations across the state.</p>						
SULLIVAN COUNTY	27	1530CST			0	0	1	0			THUNDERSTORM WIND HAIL (1.00)
					<p>A severe thunderstorm produced damaging wind and large hail in the Bristol area. Large tree limbs and some trees were knocked down as well as some power lines. Large hail fell for several minutes.</p>						
41 TEXAS, Northern											
Red River County	3	1938CST			0	0	?	?			Hail (0.75)
Avery											
Hopkins County:											
Brashear	3	2001CST			0	0	?	?			Hail (1.75)
Sulphur Springs	3	2020CST			0	0	?	?			TSTM Wind (60)
Bowie County:											
Dekalb	3	2003CST			0	0	?	?			Hail (1.75)
Beaverdams	3	2005CST			0	0	?	?			TSTM Wind (61) and Hail (1.75)
5 SE Dekalb	3	2024CST			0	0	?	?			Hail (1.75)
New Boston	3	2024CST			0	0	?	?			TSTM Wind (61)
Hooks	3	2035CST			0	0	?	?			Hail (1.00) and TSTM Wind (61)
Titus County	3	2025CST			0	0	?	?			Hail (0.75)
Talco											
Hunt County	3	2025CST			0	0	?	?			Hail (3.50)
2 E Quinlan	3	2035CST			0	0	?	?			Hail (3.00)
9 W Enory	3	2035CST			0	0	?	?			Hail (0.75)
Red River County	3	2035CST			0	0	?	?			Hail (0.75)
Bowelder	3	2040CST			0	0	?	?			Hail (1.75)
Titus County	3	2045CST			0	0	?	?			TSTM Wind
12 N Mt. Pleasant	3	2050CST			0	0	?	?			TSTM Wind (52)
4 SW Fruitvale	3	2110CST			0	0	?	?			Hail (1.75)
Morris County	3	2120CST			0	0	?	?			Hail (1.75)
Daingerfield	3	2120CST			0	0	?	?			Hail (1.75)
Hopkins County	3	2120CST			0	0	?	?			Hail (1.75)
Bowie County	3	2120CST			0	0	?	?			Hail (1.75)
Maud	3	2130CST			0	0	?	?			Hail (1.00)
Franklin County	3	2140CST			0	0	?	?			Hail (1.75)
9 SSE Mt. Vernon	3	2140CST			0	0	?	?			Hail (1.75)
Camp County	3	2140CST			0	0	?	?			Hail (2.00)
3 N Pittsburg	3	2150CST			0	0	?	?			Hail (0.75)
Rains County:											
9 W Enory	3	2158CST	2	50	0	0	?	?			Tornado (F1)
3 S Enory	3	2158CST			0	0	?	?			Hail (1.75)
Van Zandt County	3	2215CST			0	0	?	?			Hail (1.00)
2 NE Fruitvale	3	2240CST			0	0	?	?			Hail (1.00)
Cass County:											
Douglassville	3	2240CST			0	0	?	?			Hail (1.00)
4 NW Linden	3	2245CST			0	0	?	?			Hail (0.75)
Wood County	3	2245CST			0	0	?	?			Hail (1.00)
7 SW Quitman	3	2325CST			0	0	?	?			Hail (1.00)
2 SW Texarkana	3	2350CST			0	0	?	?			Hail (1.00)
Bowie County	18	2050CST			0	0	?	?			Hail (0.88)
Hooks	18	2135CST-			0	0	?	?			Flash Flooding
Bowie and Cass Counties	18	2300CST			0	0	?	?			Hail (0.88)
Marion County	18	2332CST			0	0	?	?			Hail (0.88)
Kelleyville											
					<p>Thunderstorms in Northeast Texas produced a tornado, hail up to 3.5 inches in diameter, and some wind damage. A tornado uprooted trees and damaged barns along a two mile track just north of U.S. Highway 80 near Fruitvale in Van Zandt County. Numerous trees were uprooted by a downburst at Beaverdams at 2005CST. A barn was damaged by a downburst four miles southwest of Fruitvale at 2045CST. Large limbs were broken from trees in Daingerfield by a downburst at 2050CST.</p>						
Cherokee County	19	0300CST			0	0	?	?			TSTM Wind
Jacksonville											
Bell County:											
Troy	19	0305CST			0	0	?	?			Hail (1.75)
2 N Temple	19	0310CST			0	0	?	?			Hail (1.75)
5 NE Rogers	19	0310CST			0	0	?	?			Hail (1.50)
1 E Temple	19	0315CST			0	0	?	?			Hail (1.00)
8 ESE Temple	19	0315CST			0	0	?	?			Hail (1.00)
7 E Holland	19	0415CST			0	0	?	?			Hail (1.50)
					<p>A thunderstorm downburst broke large limbs from trees in Jacksonville. Hail up to golf ball size fell from thunderstorms in North Central Texas.</p>						
Leon County	28	1500CST			0	0	?	?			Hail (1.00)
Leona	28	1515CST			0	0	?	?			Hail (0.75)
Sabine County	28	1625CST			0	0	?	?			Hail (1.75)
Pineland	28	1700CST			0	0	?	?			Hail (2.00)
Coryell County	28	1815CST			0	0	?	?			Hail (0.88)
10 S Gatesville	28	1825CST			0	0	?	?			Hail (1.00)
Bosque County	28	1845CST			0	0	?	?			Hail (1.75)
4 W Clifton	28	1850CST			0	0	?	?			Hail (1.00)
Navarro County	28	1850CST			0	0	?	?			Hail (1.00)
Eureka	28	1850CST			0	0	?	?			Hail (1.75)
Tarrant County	28	1850CST			0	0	?	?			Hail (1.75)
1 E Ft. Worth	28	1850CST			0	0	?	?			Hail (1.75)
Parker County	28	1850CST			0	0	?	?			Hail (1.00)
Aledo	28	1850CST			0	0	?	?			Hail (1.00)
Johnson County	28	1850CST			0	0	?	?			Hail (1.00)
5 S Crowley											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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									
Tarrant County:									
Carswell APB (FWB)	28	1855CST			0	0	?	?	Hail (1.00)
White Settlement	28	1855CST			0	0	?	?	Hail (4.50)
Keller	28	1903CST			0	0	?	?	Hail (4.50)
Hood County:									
Granbury	28	1900CST			0	0	?	?	Hail (2.00)
6 NE Granbury	28	1920CST			0	0	?	?	Hail (1.75)
Collin County	28	1925CST			0	0	?	?	Hail (0.75)
3 N Plano									
Tarrant County:									
Arlington Mun. Arpt.	28	1930CST			0	0	?	?	Hail (2.75)
Grapevine	28	1930CST			0	0	?	?	Hail (2.00)
3 S Kennedale	28	1940CST			0	0	?	?	Hail (2.75)
3 N Ft. Worth	28	1948CST			0	0	?	?	TSTM Wind
1 W DFW Arpt.	28	1950CST			0	0	?	?	Hail (1.00)
Dallas County:									
Duncanville	28	1950CST			0	0	?	?	Hail (1.00)
10 SE Dallas	28	2010CST			0	0	?	?	Hail (1.00)
Collin County	28	2010CST			0	0	?	?	Hail (0.75)
3 W Plano									
Navarro County	28	2020CST			0	0	?	?	Hail (0.75)
5 SE Corsicana									
Tarrant County	28	2030CST			0	0	?	?	Hail (1.00)
3 SE Ft. Worth	28	2030CST			0	0	?	?	Hail (0.75)
Dallas County	28	2030CST			0	0	?	?	Hail (1.00)
Desoto	28	2030CST			0	0	?	?	Hail (1.00)
Collin County	28	2030CST			0	0	?	?	Hail (1.00)
McKinney	28	2035CST			0	0	?	?	Hail (0.75)
Denton County	28	2035CST			0	0	?	?	Hail (0.75)
Roanoke									
Dallas County	28	2040CST			0	0	?	?	Hail (0.75)
Garland	28	2045CST			0	0	?	?	Hail (1.75)
Anderson County	28	2045CST			0	0	?	?	Hail (1.75)
Palestine									
Houston County	28	2100CST			0	0	?	?	TSTM Wind
Grapeland	28	2100CST			0	0	?	?	Hail (1.00)
Denton County	28	2100CST			0	0	?	?	Hail (1.00)
8 N Grapevine									
Grayson County:									
Van Alstyne	28	2127CST			0	0	?	?	Hail (0.75)
Tioga	28	2130CST			0	0	?	?	Hail (0.75)
Howe	28	2150CST			0	0	?	?	Hail (0.75)
Collin County	28	2150CST			0	0	?	?	Hail (1.00)
10 N McKinney									
Hunt County	28	2150CST			0	0	?	?	Hail (1.75)
Wolfe City	28	2210CST			0	0	?	?	Hail (0.75)
Red River County									
Woodland									
<p>Thunderstorms produced widespread large hail across North Central and Northeast Texas. A downburst on the north side of Fort Worth damaged a home which was under construction and destroyed several signs. A downburst at Grapeland downed powerlines.</p>									
Ellis County:									
5 E Midlothian	29	1720CST			0	0	?	?	Hail (1.75)
Red Oak	29	1730CST			0	0	?	?	Hail (0.75)
6 E Waxahachie	29	1801CST			0	0	?	?	Hail (0.75)
5 W Erwin	29	1818CST			0	0	?	?	Hail (1.00)
Navarro County	29	1850CST			0	0	?	?	Hail (0.88)
3 N Blooming Grove									
Ellis County	29	1855CST			0	0	?	?	Hail (0.75)
Avalon									
Limestone County:									
Coolidge	29	1907CST			0	0	?	?	Hail (1.75)
Coolidge	29	1950CST			0	0	?	?	Hail (1.75)
Tarrant County	29	2115CST			0	0	?	?	Hail (0.88)
Saginaw									
Anderson County:									
Elkhart	29	2200CST			0	0	?	?	Hail (1.75)
Tennessee Colony	29	2225CST			0	0	?	?	Hail (0.75)
10 N Palestine	29	2230CST			0	0	?	?	Hail (4.50) and TSTM Wind
Harrison County:									
Waskon	29	2250CST			0	0	?	?	Hail (0.88)
Karnack	29	2320CST			0	0	?	?	Hail (1.75)
Marshall	29	2350CST			0	0	?	?	TSTM Wind
Gill	30	0015CST			0	0	?	?	Hail (2.00)
Marion County	30	0020CST			0	0	?	?	Hail (1.75)
Jefferson									
Harrison County	30	0100CST			0	0	?	?	Hail (2.00)
10 SE Marshall									
<p>Thunderstorms produced scattered areas of hail. A downburst uprooted trees 10 miles north of Palestine and produced hail up to 4.50 inches in diameter. Numerous trees were blown down blocking roads in and around Marshall.</p>									
Stephens County:									
2 W Breckenridge	30	2203CST			0	0	?	?	Hail (2.75)
Breckenridge	30	2220CST			0	0	?	?	Hail (1.75)
Palo Pinto County	30	2225CST			0	0	?	?	Hail (1.75)
Salesville									
Parker County	30	2250CST			0	0	?	?	Hail (3.00)
1 NW Millsap									
Clay County	30	2300CST			0	0	?	?	Hail (1.75)
Bellevue									
— TEXAS, Northern									
Palo Pinto County:									
Mineral Wells	30	2340CST			0	0	?	?	Hail (0.75)
Mineral Wells	30	2345CST			0	0	?	?	TSTM Wind and Hail (0.75)
Parker County	30	2358CST			0	0	?	?	Hail (2.75)
11 S Weatherford									
<p>Thunderstorms produced hail up to 3 inches in diameter in North Central Texas. Hail, combined with strong winds, knocked out several windows in homes in Mineral Wells.</p>									
41 TEXAS, Southern									
Starr County	04	1815CST			0	0	3	0	Tstm.Wind (?)
3N Rio Grande City									
<p>High winds from a thunderstorm unroofed a house that was under construction.</p>									
Bexar County	13	1245CST			0	0	0	0	Hail (1.75)
Braunig Lake									
Williamson County	19	0435CST			0	0	0	0	Hail (1.50)
Western Part									
Caldwell County	19	0630CST			0	0	5	?	Tstm.Wind (60-70)
Martindale									
<p>High winds from a thunderstorm uprooted trees, downed fences and power lines in the community of Martindale. One camper trailer was blown over. Several of the fallen trees fell on residences which damaged roofs, porches and carsports. One mobile home was blown off its foundation blocks. A few local barns were damaged. The damage was viewed by NWS personnel.</p>									
Bexar County	19	0952CST			0	0	0	0	Hail (1.00)
SW Part of County									
Bexar County	19	1000CST			0	1	4	0	Lightning
San Antonio									
<p>Lightning struck on the campus of San Antonio College and slightly injured a woman. Lightning struck the umbrella which she was holding and she passed out. She was treated at the local student health center and released. The same lightning bolt struck a nearby chimney of a building (McCreeless Hall) and scattered brick and debris. Some of the flying brick broke nearby windows. Students walking in the area scurried about for shelter but no one was hurt.</p>									
Hidalgo County	27	0700CST			0	0	5	0	Lightning
McAllen									
<p>Lightning struck a residence and the resulting fire destroyed the structure.</p>									
Webb County	28	0010CST			0	0	5	?	Wind (?)
Laredo	28	0010CST			0	0	?	0	Hail (1.75)
<p>High winds from a thunderstorm overturned a trailer home. 3 trees were toppled by the high wind and fell onto residences. Power lines and poles were downed. At least two residences were unroofed. For a short time I-35 was closed due to fallen power lines.</p>									
Duval County	28	0110CST			0	0	?	?	Wind (?)
Freer									
<p>High winds from a thunderstorm downed power lines and trees in and around Freer.</p>									
Newton County	28	1246CST			0	0	0	0	Hail (1.75)
Trout Creek									
Brazos County	28	1328CST			0	0	0	0	Hail (1.75)
5E Bryan									
Madison County	28	1435CST			0	0	0	0	Hail (0.75)
<p>Hail the size of dimes fell along Tx.Hwy.75 from Madisonville southeast to the Walker County line.</p>									
Tyler County	28	1541CST			0	0	0	0	Hail (0.80)
Colmesneil									
Dewitt County	28	1730CST			0	0	5	0	Wind (?)
Gruenau									
<p>High winds from a thunderstorm unroofed several barns near Gruenau in the northwest part of the county.</p>									
Bexar County	28	1735CST			0	2	0	0	Lightning
San Antonio									
<p>A bolt of lightning struck in the yard of a residence and slightly injured two boys. They were treated at the scene by EMS personnel and released. The boys said they were knocked down by the lightning and thrown 10 feet.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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, Southern									
Karnes County near Karnes City	28	1900CST			0	0	0	0	Hail (1.75)
LaSalle County 6N Cotulla	28	1925CST			0	0	0	0	Hail (1.75)
Galveston County Galveston	29	1045CST			0	0	0	0	Hail (0.75)
Galveston County Galveston	29	1120CST			0	0	0	0	Hail (0.75)
Mayerick County Eagle Pass	29	1625CST			0	0	0	0	Hail (0.75)
	29	1625CST			0	0	6	0	Wind (52)
	High winds from a thunderstorm overturned cars and trailers. Trees, power lines and poles were downed by the high winds. One house was blown onto a street. Several homes caught fire either from downed power lines or lightning. Lots of fences were downed.								
Bandera County 9W Medina	29	1630CST			0	0	0	?	Hail (2.50)
Bandera County 2E Bandera	29	1810CST			0	0	0	0	Hail (1.75)
LaSalle County Cotulla	29	1815CST			0	0	0	0	Hail (1.75)
Medina County Hondo	29	1817CST			0	0	0	0	Tstm.Wind (54)
LaSalle County Encinal	29	1817CST			0	0	0	0	Hail (1.00)
Webb County 17N Laredo	29	1825CST			0	0	?	0	Hail (1.75)
	Hail broke out car windshields on I-35.								
Travis County	29	1830-1900CST			0	0	?	?	Tstm.Wind (54)
	High winds from a thunderstorm moved over Lake Travis and capsized at least 5 boats and dumped 15 persons into the water. Trees and signs in the area were blown over.								
Frio County	29	1830CST			0	0	0	?	Hail (?)
	Hail devastated crops in the extreme eastern part of the county. The size was not reported.								
Atascosa County	29	1830CST			0	0	0	?	Hail (?)
	Hail devastated crops in the extreme western part of the county. The size was not reported.								
Caldwell County Lockhart	29	1835CST			0	0	0	0	Hail (2.00)
Guadalupe County Seguin	29	1900CST			0	0	4	?	Tstm.Wind
	High winds from a thunderstorm blew over a large tree onto a house. The roof was partially destroyed.								
Atascosa County Pleasanton	29	1900CST			0	0	5	?	Tstm.Wind (?)
	High winds from a thunderstorm blew over large trees and limbs. Power lines were also downed. A commercial radio station antenna was toppled.								
Bexar County Elmendorf	29	1918CST			0	0	?	?	Tstm.Wind (?)
	High winds from a thunderstorm downed power lines, poles and trees in the southern part of the county.								
Travis County 10NE Austin	29	1923CST			0	0	4	0	Tstm.Wind (?)
	High winds from a thunderstorm blew the top off of a mobile home.								
Atascosa County	29	1933CST			0	0	?	?	Tstm.Wind (?)
	Trees and power lines were blown down by high winds from a thunderstorm. The exact location was not reported.								
Travis County Garfield	29	2005CST			0	0	0	0	Hail (1.00)
Live Oak County Unk. Location	29	2105CST			0	0	?	?	Tstm.Wind
	High winds from a thunderstorm uprooted trees.								
Lavaca County 4E Hallettsville	29	2240CST			0	0	0	0	Hail (1.00)

TEXAS, Southern									
Nueces County Padre Island	29	2255CST			0	0	?	?	Tstm.Wind
	High winds from a thunderstorm blew over signs, fences and portable toilets at the Padre Island National Seashore Park. Lightning struck a parking lot, which shattered the windows of nearby cars.								
Harris County Houston	30	0020CST			0	0	5	0	Tstm.Wind (?)
	High winds from a thunderstorm lifted the roofs off of several businesses of a strip mall on the south side of Houston.								
Harris County NE part of County	30	0115CST			0	0	4	0	Tstm.Wind (?)
	High winds from a thunderstorm blew a store off its foundation in the northeast part of the county.								
Mason County Mason	30	2205CST			0	0	0	0	Hail (1.75)
41 TEXAS, Western									
Culberson County	1	1330 MST			0	0	0	0	High Wind (52)
	A west wind gusted to 52 knots through Guadalupe Pass, in the northwest corner of the county. No damage was noted.								
Culberson County	2	1140 MST			0	0	0	0	High Wind (51)
	At 1140 MST a west wind gusted to 51 knots at Guadalupe Pass. The remote location incurred no damage.								
Culberson County	3	1125 MST			0	0	0	0	High Wind (54)
	Winds gusted to 54 knots at Guadalupe Pass.								
Culberson County	10	0515 MST			0	0	0	0	High Wind (53)
	An east wind whistled through Guadalupe Pass at speeds gusting up to 53 knots.								
Reeves County	18	2115 CST			0	0	0	0	TSTM Wind (61)
	Radio Station KIUN in Pecos reported thunderstorm winds gusting to 61 knots. Damage was not reported.								
Pecos County	18	2230 CST			0	0	0	3	Funnels
	2245 CST				0	0	0	0	TSTM Wind (78)
	2250 CST				0	0	0	0	Hail (0.75)
	Several funnel clouds were observed in conjunction with the Reeves County thunderstorm as it moved through Coynosa, in the northwest corner of Pecos County. The large storm also generated dime size hail at the Coynosa Co-Op at 2250 CST. Wind gusted to 78 knots as the storm moved through the Community of Imperial, about 15 miles east of Coynosa, where several large trees were uprooted at approximately 2245 CST.								
Irion and Tom Green Counties	19	0320 CST			0	0	4	0	Lightning
	Lightning accompanied an early morning thunderstorm through the Mertzon and San Angelo areas, resulting in several power outages and major damage to one house. The area of strong thunderstorms that traversed the Reeves and Pecos counties several hours earlier moved through Irion and Tom Green counties, emitting powerful cloud-to-ground lightning that struck a West Texas Utilities substation in Mertzon. Power was out to about half the community for 30 minutes. As the storm moved into the San Angelo area, lightning struck a 13,000 volt feeder line at a substation on the south side of the city, placing 1,100 residents out of power for nearly 4 hours. About the same time, the chimney of one residence was struck by lightning. The chimney was destroyed and a large hole was gouged out of the roof.								
Lubbock County	20	1627 CST			0	0	0	0	TSTM Wind (52)
	1650 CST				0	0	4	0	TSTM Wind (60)
	1700 CST				0	0	3	0	Lightning
	1724 CST				0	0	0	0	Hail (1.75)
	A high-based thunderstorm moved southeast across the county, accompanied by intense microbursts, lightning, and hail ranging in size from marbles up to golf balls. As the storm entered the northwest part of the City of Lubbock at 1627 CST, an off-duty National Weather Service meteorologist observed a microburst between one and three miles west of University Avenue and north of Loop 289 that possessed wind estimated at 52 knots. The storm began to generate hail about that time, with 20 minutes of marble size hail falling in parts of northwest Lubbock. Although very little rain was observed with the storm, hail became golf balls in size near the Avenue U-50th Street intersection at 1724 CST. Meanwhile, lightning struck a transformer in Wolforth, 9 miles southwest of Lubbock, and another microburst downed power lines in that vicinity.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1989

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
TEXAS, Western											
Briscoe County	20	1730 CST			0	0	0	0	0	0	Hail (0.75)
		1745 CST			0	0	0	0	0	0	Hail (1.75)
		An official at Caprock Canyon State Park, 3 miles north-northeast of Quitaque, reported dime size hail with no discernible damage. As the thunderstorm moved southeast through the county it dropped hail between sizes of quarters and golf balls along Farm-to-Market Road 599, 4.5 miles southeast of Quitaque.									
Motley County	20	1810 CST			0	0	4	4			TSTM Wind
		The Briscoe County storm moved into the northwest corner of Motley County and inflicted severe wind damage to structures and trees. Just inside the northwest county line, about 5 miles south-southeast of Quitaque, a sheep barn measuring 20 x 125 feet was flipped over a row of trees and deposited onto a roadway. The barn had to be cut up with torches for removal. Power lines and trees were heavily damaged by the barn's flight. Just east of that site an irrigation system was transported 1/4 mile and wrapped around trees. At the latter location hail covered the ground to a depth of 2 inches.									
Lynn County	20	1840 CST			0	0	3	0			TSTM Wind
		The Lubbock County storm moved into Lynn County and was associated with strong straight-line winds. At 1840 CST two loaded cotton trailers were overturned by an apparent microburst in the City of O'Donnell.									
Midland County	21	1905 CST			0	0	0	0			Hail (1.75)
		The Sheriff's Department reported golf ball size hail 12 miles south of the City of Midland, 3 miles east of Farm Road 349.									
Carson County	22	1553 CST			0	0	0	0			TSTM Wind (68)
		The Pantex Plant on U.S. 60 just inside the southwest county line measured microburst winds that gusted to 68 knots. No damage was noted.									
Ector County	22	1634 CST			0	0	0	0			TSTM Wind (54)
		1700 CST			0	0	0	0			TSTM Wind (55)
		Thunderstorm winds gusted to 54 knots at Schlemeyer Airport in North Odessa and at Knox Village in western Odessa. At 1840 CST the Odessa Fire Department reported winds gusting to 55 knots in the City of Odessa.									
Hall County	22	1830 CST			0	0	0	0			Hail (1.00)
		Dime size hail was encountered by Sheriff's Deputies 3 miles east of the Lakeview Community in the northern part of the county. At that same time Lakeview Police observed hail the size of quarters 1 mile west of Lakeview.									
Donley County	22	1845 CST			0	0	0	0			Hail (0.88)
		A Department of Public Safety Officer reported hail the size of dimes that covered the ground in Hedley, with some hailstones up to nickels in size 2 miles northeast of Hedley. The hail fell from the same storm that affected northern Hall County.									
Collingsworth Co.	22	1845 CST			0	0	0	0			Hail (1.00)
		The Hall and Donley county thunderstorm deposited hail ranging in size from nickels up to quarters along State Highway 203, 4 to 5 miles west of Quail, according to Skywarn spotters.									
Donley County	25	1613 CST			0	0	0	0			Hail (1.00)
		1630 CST			0	0	0	0			Hail (1.75)
		Hail between the size of nickels and quarters fell along the Salt Fork of the Red River, 5 miles northeast of Clarendon. At 1630 CST storm chasers observed hail up to golf ball in size fall 1 mile east of the city.									
Collingsworth County	25	1700 CST			0	0	0	0			Hail (0.75)
		The Sheriff's Office reported dime size hail 10 miles north of Wellington, along U. S. 83.									
Wheeler County	25	1722 CST			0	0	0	0			Hail (0.75)
		1740 CST			0	0	0	0			Hail (0.75)
		1749 CST			0	0	0	0			Hail (1.75)
		Shamrock Police encountered dime size hail 2 miles west of Shamrock. Eighteen minutes later the multi-cell storm complex generated dime size hail 5 miles west of Shamrock, while at that same time hail of the same size covered the ground 2 miles south of town. At 1749 CST golf ball size hail pelted the latter location.									
Collingsworth County	25	1800 CST			0	0	0	0			Hail (1.75)
		The severe multi-cell storm system in Wheeler County built southward into northern parts of Collingsworth County and brought golf ball size hail to the Community of Dorier, according to storm chasers.									
TEXAS, Western											
Wheeler County	25	1830 CST			0	0	3	0			Hail (2.00+)
		Storm chasers reported that a pickup truck had its windshield broken out by hail that was "at least two inches in diameter" along Interstate 40 six miles east of Shamrock.									
Wheeler County	25	2006 CST			0	0	0	4			Hail (1.75)
		Golf ball size hail again pounded the Shamrock area, this time inflicting substantial tree damage along Interstate 40 eight miles east of the city.									
Wheeler County	26	1730 CST			0	0	0	0			Hail (1.75)
		Nickel to golf ball size hail was observed at Allison, in the northeast corner of the county, by the Allison Fire Chief. No damage was reported.									
Dallam County	30	1640 CST			0	0	0	0			High Wind (52)
		Wind associated with a strong cold front gusted to 52 knots at Dalhart, in the southernmost part of the county.									
Moore County	30	1715 CST	0.3	40	0	0	0	0			Tornado (F0)
		A Sheriff's Deputy observed a tornado make a brief touchdown 6 miles west of Dumas on U. S. Highway 87. No damage was reported.									
Potter and Randall Counties	30	1828 CST	0.1	20	0	0	0	0			Tornado (F0)
		1830 CST			0	0	0	0			TSTM Wind (56)
		A meteorologist at Television Station KVII in Amarillo reported a small tornado (gustnado) in downtown Amarillo, along the Potter-Randall county line. No damage was apparent. At 1830 CST wind gusted to 56 knots at the Amarillo Weather Service Office, located at Amarillo International Airport in northern Randall County.									
Tom Green County	30	1945 CST			0	0	3	0			Hail (1.75)
		A Department of Public Safety Officer reported hail the size of golf balls that broke an automobile windshield along U. S. Highway 87 two miles west-northwest of Water Valley, in the northwest corner of the county.									
Coke County	30	2100 CST			0	0	0	0			Hail (1.50)
		An off-duty National Weather Service observer encountered hail the size of walnuts 8 miles north of Bronco on U. S. Highway 277, in the northeast corner of the county. No damage was observed.									
42 UTAH											
UTZ006 Milford, Beaver County	24	1435MST			0	0	1	0			High Wind (G51)
		A prefrontal wind gusted to 59 mph at the Milford weather office.									
UTZ010 Northern Mountains	26	0405MST			0	0	1	0			Heavy Snow
		The Alta ski resort received 9 inches of snow overnight.									
43 VERMONT ————— NONE REPORTED											
44 VIRGINIA											
Botetourt Co, Daleville	25	1410EST			0	1	?	?			Thunderstorm Wind
Bedford Co, Bedford	25	1440EST			0	0	?	?			Thunderstorm Wind
Halifax Co, Virgilina	25	1530EST			0	0	?	?			Thunderstorm Wind
Bedford Co.	25	1810EST			0	0	?	?			Hail (0.75)
		Strong thunderstorm winds blew down a metal shelter over gas pumps in Daleville. A small permanent structure on a bank roof was partially torn off and a large sign was blown over in Bedford; a falling tree damaged a house, injuring an occupant. Half of a school roof was blown off in Virgilina; damage was estimated at \$5,000.									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 1989

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					KILLED	INJURED	PROPERTY	CROPS	
— VIRGINIA									
Roanoke Co, Roanoke	27	1500EST			0	0	?	?	Thunderstorm Wind (67kt)
Franklin Co, North part	27	1525EST			0	0	?	?	Thunderstorm Wind
Boones Mill	27	1530EST			0	0	?	?	Thunderstorm Wind
Amherst Co, Stapleton	27	1530EST			0	0	?	?	Thunderstorm Wind
Campbell Co, Lynchburg	27	1535EST			0	0	?	?	Thunderstorm Wind
Bedford Co, Henry Co,	27	1540EST			0	0	?	?	Hail (0.50)
Martinsville	27	1545EST			0	0	?	?	Thunderstorm Wind
Pittsylvania Co, Danville	27	1620EST			0	0	?	?	Thunderstorm Wind
<p>Strong thunderstorm winds downed trees in several locations in Roanoke and Salem; an elementary school was badly damaged, and a twin engine plane was spun around at the airport. Several large trees were downed in northern Franklin County, and several house trailers were damaged. Trees were downed and a storage shed was destroyed in Lynchburg. Several large trees were downed in Martinsville, and a large distribution plant was damaged by straight-line winds estimated at 60 to 70 knots. In Danville, numerous trees were downed; 4 schools sustained roof damage, and other buildings received some damage. Several trees were blown down near Stapleton.</p>									
— WEST VIRGINIA									
Braxton County: near Gregory	25	1615EST			0	0	?	?	Hail (0.75)
between Heaters and Flatwoods	25	1630EST			0	0	?	?	Hail (1.00)
Webster County	25	1645EST			0	0	?	?	Hail (1.75)
<p>Automobile windows were broken, trees were downed, and an elementary school's windows were broken by golf ball size hail in Webster County. Three inches of hail accumulated on the ground at Big Grassy Creek.</p>									
Pocahontas County, location unknown	25	1715EST			0	0	?	?	Hail (0.75)
Kanawha County, Pinch	25	2125EST			0	0	?	?	Hail (0.75)
WVZ007 Webster County	25-26	2200EST-0700EST			0	0	6	?	Flash Flood
<p>Flash flooding caused extensive damage from about 2200 EST on the 25th to 0700 EST on the 26th in Webster County. Numerous roads were under water and several bridges were washed out. Several homes were washed away and numerous others were damaged. Several vehicles and campers were washed into a river. Damage was estimated at \$1 million.</p>									
McDowell County, Elkhorn	27	1300EST			0	0	?	?	High Winds (52+)
<p>Several large trees were blown across a road in Elkhorn.</p>									
47 WISCONSIN									
LaCrosse Co., LaCrosse	24	1928-1942CST			0	0	0	0	Hail (1.00)
West Salem	24	2115CST			0	0	0	0	Hail (1.00)
Vernon Co., Viroqua	24	2115CST			0	0	0	0	Hail (0.75)
Richland Co., BN Richland Center	24	2153CST			0	0	0	0	Hail (1.00)
Green Co., New Glarus	24	2339CST			0	0	?	0	Thunderstorm Wind
Walworth Co., 6W Elkhorn	25	0100CST			0	0	4	0	Thunderstorm Wind
<p>A cluster of severe thunderstorms dropped hail up to 1 inch in diameter across several counties of southern Wisconsin. Several trees were knocked down in New Glarus and an unoccupied mobile home was flipped over 6 miles west of Elkhorn by strong winds.</p>									
St. Croix Co., Hudson	27	1700CST			0	1	0	0	Lightning
<p>A man was injured when he was struck by lightning while getting into his car near Hudson.</p>									
48 WYOMING									
WY2005-011-012-014-016-017	02	0800 TO 2100MST			0	0	0	0	HIGH WIND
<p>NORTHERN FRONT RANGE, CENTRAL PLAINS, EASTERN PLAINS, RED DESERT, LARAMIE VALLEY, AND SOUTHEAST PLAINS</p>									
<p>STRONG WINDS RAKED THE SOUTHEAST HALF OF THE COWBOY STATE DURING THE 2ND. THE HIGHEST REPORTED WIND GUST WAS 77 MPH AT CASPER. OTHER LOCATIONS IN THE SOUTHEAST HALF OF WYOMING HAD GUSTS GREATER THAN 60 MPH. VEDAAMOO, LOCATED 30 MILES WEST OF CHEYENNE, HAD SUSTAINED WINDS OF OVER 40 MPH DURING THE AFTERNOON AND EARLY EVENING OF THE 2ND.</p>									
45 WASHINGTON — NONE REPORTED									
46 WEST VIRGINIA									
Ritchie County	25	1040EST			0	0	?	?	Thunderstorm Wind
<p>Large tree limbs were downed throughout the county.</p>									
Calhoun County	25	1045EST			0	0	?	?	Hail (0.75)
	25	1215EST			0	0	?	?	Hail (0.75)
<p>Dime size hail fell at locations unknown in Calhoun County at 1045 and 1215 EST.</p>									
Greenbrier County: Lewisburg	25	1215EST			1	0	?	?	Thunderstorm Wind
location unknown	25	1245EST			0	1	?	?	Lightning
Lewisburg	25	1248EST			0	0	?	?	Hail (0.75)
<p>A construction worker was killed when the unfinished two-story house on which he was working collapsed under 75 mph thunderstorm winds at Lewisburg. A 64 year old woman was struck by lightning (location unknown). She was treated and released.</p>									
Wood County, Parkersburg	25	1345EST			0	0	?	?	Hail (0.75)
Pleasants County, Grantsville	25	1345EST			0	0	?	?	Hail (1.00)
Wirt County, Elizabeth	25	1355EST			0	0	?	?	Hail (0.75)
Roane County, Spencer	25	1423EST			0	0	?	?	Hail (1.00)
Calhoun County, Grantsville	25	1430EST			0	0	?	?	Hail (1.00)
Ritchie County, location unknown	25	1520EST			0	0	?	?	Hail (1.50)
Clay County, Big Otter	25	1530EST			0	0	?	?	Hail (0.75)
Gilmer County, location unknown	25	1542EST			0	0	?	?	Hail (0.75)
Greenbrier County, northern Lewisburg	25	1558EST			0	0	?	?	Hail (0.75)
Kanawha County, location unknown	25	1615EST			0	0	?	?	Hail (0.75)

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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	
WYOMING																			
WYZ017 SOUTHEAST PLAINS	03	1100 TO 1800MST			0	0	0	0	HIGH WIND	ALBANY COUNTY, 3N ROCK RIVER	26	1410MST			0	0	0	0	HAIL (1.75)
<p>THE SOUTHEAST CORNER OF WYOMING HAD STRONG WINDS FOR THE SECOND DAY IN A ROW FROM THE LATE MORNING THROUGH AFTERNOON OF THE 3RD. WIND GUSTS UP TO 63 MPH WERE CLOCKED JUST NORTH OF CHEYENNE.</p>										LARAMIE COUNTY, 20W CHEYENNE	26	1450MST			0	0	0	0	FUNNEL CLOUD
WYZ002-010-016-017 NORTHWEST CHINOOK, WIND RIVER BASIN, LARAMIE VALLEY, AND SOUTHEAST PLAINS	05	1100 TO 2100MST			0	0	0	0	HIGH WIND	LARAMIE COUNTY, CHUGWATER	26	1500 TO 1515MST			0	0	0	0	HAIL (1.75)
<p>HIGH WINDS SPREAD FROM NORTHWEST TO SOUTHEAST ACROSS CENTRAL WYOMING DURING THE LATE MORNING THROUGH EARLY EVENING OF THE 5TH. DUBOIS RECORDED A PEAK WIND OF 70 MPH IN THE EARLY AFTERNOON. SUSTAINED WINDS FROM 40 TO 55 MPH WERE LOGGED 40 MILES NORTHWEST OF LANDER. VEDAWOOD, LOCATED 30 MILES WEST OF CHEYENNE, EXPERIENCED WIND GUSTS UP TO 63 MPH. FINALLY, OBSERVERS ABOUT 25 MILES NORTH OF CHEYENNE REPORTED WINDS GUSTING AS HIGH AS 61 MPH.</p>										PLATTE COUNTY, LOSE WHEATLAND	26	1745 TO 1800MST			0	0	0	0	HAIL (.75)
WYZ010-012-016-017 WIND RIVER BASIN, EASTERN PLAINS, LARAMIE VALLEY, AND SOUTHEAST PLAINS	07	0500 TO 2100MST			0	0	0	0	HIGH WIND	GOSHEN COUNTY, 5SE YODER	26	1825 TO 1835MST			0	0	0	0	HAIL (.75)
<p>SEVERE DOWNSLOPE WINDS ROARED FROM CENTRAL THROUGH SOUTHEAST WYOMING ON THE EARLY MORNING THROUGH EVENING OF THE 7TH. DURING THE AFTERNOON, LARAMIE HAD A PEAK WIND OF 71 MPH. CROWHEART, ABOUT 40 MILES NORTHWEST OF LANDER, HAD SUSTAINED WINDS OF 60 MPH WITH GUSTS TO 80 MPH. DURING THE 7TH, NUMEROUS GUSTS OVER 60 MPH WERE LOGGED OVER THE EASTERN AND SOUTHEAST PLAINS OF THE COWBOY STATE. INCLUDED BY THE FIERCE WINDS WAS THE CAPITOL CITY OF CHEYENNE, WHERE A PEAK WIND OF 61 MPH OCCURRED DURING THE LATE AFTERNOON.</p>										<p>FROM THE AFTERNOON THROUGH THE EARLY EVENING OF THE 26TH, SEVERE THUNDERSTORMS MARCHED EASTWARD ACROSS EXTREME SOUTHEAST WYOMING. 1.75 INCH DIAMETER HAIL WAS REPORTED BY THE ALBANY COUNTY SHERIFF 3 MILES NORTH OF ROCK RIVER AT 1410 MST. A FUNNEL CLOUD WAS BRIEFLY OBSERVED BY A SPOTTER ON HIGHWAY 210, 20 MILES WEST OF CHEYENNE, AT 1450 MST. HAIL, 1.75 INCHES IN DIAMETER, FELL 10 MILES SOUTH OF CHUGWATER BETWEEN 1500 AND 1515 MST, COVERING THE GROUND. FINALLY, BETWEEN 1745 AND 1835 MST, BRIEF EPISODES OF THREE-QUARTER INCH HAIL OCCURRED IN THE SOUTHERN PORTIONS OF PLATTE AND GOSHEN COUNTIES.</p>									
WYZ017 SOUTHEAST PLAINS	08-09	1500 TO 0800MST			0	0	0	0	SNOW	WYZ006 NORTHEASTERN PLAINS	27-28	0900 TO 0600MST			0	0	0	0	HEAVY SNOW
<p>FROM THE LATE AFTERNOON OF THE 8TH THROUGH THE MORNING OF THE 9TH, THE SOUTHEAST CORNER OF WYOMING WAS GREETED BY SOME SPRING SNOW. MOST AMOUNTS WERE FROM 2 TO 4 INCHES. HOWEVER, AN OBSERVER LOCATED IN NORTHWEST CHEYENNE MEASURED 5.5 INCHES OF NEW SNOW. ADDITIONALLY, NORTH TO NORTHEAST WINDS CAUSED SNOW DRIFTS OF AT LEAST 1 TO 2 FEET IN CHEYENNE.</p>										<p>FROM THE MORNING OF THE 27TH THROUGH THE EARLY MORNING OF THE 28TH, HEAVY SNOW OCCURRED OVER EXTREME NORTHEAST WYOMING, INCLUDING THE WYOMING BLACK HILLS. BY THE EARLY MORNING OF THE 28TH, 12 INCHES OF NEW SNOW WAS ON THE GROUND 12 MILES NORTHEAST OF ALADDIN. ADDITIONALLY, SUNDANCE PILED UP 8 INCHES OF SNOWFALL AND ALVA ACCUMULATED 7 INCHES.</p>									
WYZ005 NORTHERN FRONT RANGE	16-17	1600 TO 0400MST			0	0	0	0	HEAVY SNOW	FREMONT COUNTY, 25SE LANDER	30	0855 TO 0915MST			0	0	0	0	FUNNEL CLOUDS
<p>FROM THE LATE AFTERNOON OF THE 16TH THROUGH THE EARLY MORNING OF THE 17TH, HEAVY SNOW OCCURRED ALONG THE EAST SLOPES OF THE BIG HORN MOUNTAINS. THE TOWN OF SHERIDAN ACCUMULATED 6.3 INCHES OF NEW SNOW.</p>										<p>ON THE MORNING OF THE 30TH, SEVERAL FUNNEL CLOUDS WERE OBSERVED BY SPOTTERS OVER BEAVER RIM, 25 MILES SOUTHEAST OF LANDER.</p>									
UINTA COUNTY, EVANSTON	24	1700 TO 1715MST			0	0	3	0	THUNDERSTORM WIND(87)	<p>49 ALASKA, Northern ——— NO REPORT RECEIVED</p>									
<p>ON THE LATE AFTERNOON OF THE 24TH, A HIGH-BASED THUNDERSTORM PRODUCED WIND GUSTS UP TO 100 MPH IN THE CITY OF EVANSTON. IN SPITE OF THESE WINDS, DAMAGE WAS RELATIVELY MINIMAL. THE MOST SEVERE DAMAGE THAT WAS DONE WAS TO A HALF-DOZEN ALUMINUM STORAGE SHEDS WHICH WERE BLOWN OVER.</p>										<p>49 ALASKA, Southern</p>									
PLATTE COUNTY, 20N WHEATLAND	25	1600 TO 1615MST			0	0	0	0	HAIL (.75)	ALEUTIANS	4	2000AST			-	-	?	-	High Winds
<p>DURING THE LATE AFTERNOON OF THE 25TH, A THUNDERSTORM DEPOSITED THREE-QUARTER INCH HAIL ON NORTHERN PLATTE COUNTY.</p>										<p>A strong 988mb low over the southern tip of the Kamchatka Peninsula produced wind gusts to 60 mph over the western Aleutians.</p>									
										ALEUTIANS	15	1200AST			-	-	?	-	High Winds
										ALEUTIANS	26	1600AST			-	-	?	-	High Winds
										<p>A moderate low moved east across the southern Bering Sea. It produced wind gusts to about 55 mph over the western Aleutians.</p>									
										<p>A strong 976 mb low in the western Aleutians produced wind gusts to 60 mph over the western Aleutians from Shemya Island to Adak Island.</p>									
										<p>49 ALASKA, Southeastern ——— NO REPORT RECEIVED</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

APRIL 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	
50 HAWAII									
All Islands	4-9				0	0	6	5	Flash Flooding
	An extended period of heavy rains settled in over the Hawaiian Islands as a trough of low pressure developed just west of the state and remained there for several days while drawing heavy moisture northward ahead of it. Rainfall was heaviest on Maui and the Big Island where some spots received nearly the annual expected total in a few days. Extensive flash flooding occurred throughout Maui and the northern half of the Big Island, and there was heavy damage done to roads. More than \$1 million in damage occurred on each of these two islands. Water also entered some homes and stores, and a number of cars sustained damage. Also, some minor wind and lightning damage occurred, and there were some reports of hail. Extensive damage to taro crops occurred in the Waipio Valley where the storm was characterized as the worst in more than 20 years.								
Kauai and Oahu	24 morning				0	0	4	0	Flash Flooding
	Heavy early morning showers caused scattered flooding and the closing of roads on Kauai's north shore. Also, some very intense showers occurred over the Koolau Mountains of Oahu.								
Hawaii	28-29				0	0	5	5	Flash Flooding
	Very heavy rain in the Honokaa and Waimea areas caused flash flooding. Overnight, rains fell in amounts in excess of 12 inches at a number of stations within the cane fields above Honokaa, with most of it falling within the predawn hours of the 28th. Scattered minor flooding occurred elsewhere on the Big Island and on Maui as well.								
51 PUERTO RICO ————— NONE REPORTED									
52 VIRGIN ISLANDS ————— NONE REPORTED									
53 PACIFIC									
Marianas Islands	21				0	0	5	5	Typhoon ANDY
	Heavy rains accompanied by winds gusting to 60 to 70 mph lashed Guam and caused lesser effects on the other islands to the north as Typhoon ANDY moved along a northeasterly course as close as within 65 miles to the southeast of Guam. This closest approach was at 1000LST when maximum sustained winds were estimated at near 150 mph. Damage to crops and property was mostly light.								

STORM SUMMARY

APRIL 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	0	0								0						0		0							0	0	
Number						1	1				4			3													0
Days						1	1				1			2													0
Deaths						0	0				0			0													0
Injuries						16	0				0			0													30?
Property Damage						6	?				6			?													
Crop Damage						0	?				4			?													
HAIL																											
Deaths						0	0				0		0	0			0										0
Injuries						0	0				0		0	0			0										1
Property Damage						6	5				6		?	?			?										
Crop Damage						0	?				6		0	?			?										
THUNDERSTORM WINDS																											
Deaths				0		0	0				0	0	0	0			0		1	0	0	0					4
Injuries				2		0	0				0	0	1	1			1		0	0	0	0					32
Property Damage				6		5	4				6	4	6	6			?		?	4	3						
Crop Damage				0		0	?				5	0	0	?			?		0	0	0						
HIGH WINDS																											
Deaths									0		0								0								1
Injuries									0		0								0								2
Property Damage									4		4								?								
Crop Damage									0		0								0								
LIGHTNING																											
Deaths				0		0		0					0	0					0	0							1
Injuries				1		0		1					0	3					1	1							16
Property Damage				0		5		?					5	5					0	0							
Crop Damage				0		0		0					0	0					0	0							
FLASH FLOODS																											
Deaths											0																1
Injuries											0																0
Property Damage											3																
Crop Damage											0			?													
FLOODS																											
Deaths					0	0							8														8
Injuries					0	0							0														0
Property Damage					7	?							7														
Crop Damage					0/c	0							0														
HEAVY SNOWSTORMS AND BLIZZARDS @																											
Deaths			0																								
Injuries			0																								
Property Damage			4																								
Crop Damage			0																								
ICE STORMS #																											
Deaths			0																								
Injuries			0																								
Property Damage			5																								
Crop Damage			0																								
HURRICANES AND TROPICAL STORMS																											
Deaths																											
Injuries																											
Property Damage																											
Crop Damage																											
ALL OTHERS																											
Deaths			0								0		0														
Injuries			0								0		0														
Property Damage			?								5		?														
Crop Damage			?								0		?														

SEE REFERENCE NOTES FOR STORM DAMAGE CATEGORIES

STORM DATA AND UNUSUAL WEATHER PHENOMENA

CORRECTIONS

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	

28 NEW JERSEY, Northern

JULY 1988

DELETE:
ONE FLASH FLOOD

at Edison in Middlesex County at 1845EST on the 17th, appearing on page 46 and including the narrative: In Edison of Middlesex County very heavy rain fell during a brief period. The Lakeview School received extensive damage from the resultant flood waters. Also in Edison the heavy rain caused the roof of a supermarket to collapse.

ADD:
FLASH FLOOD REPORTS

as reported below:

Middlesex County, Edison	20	0200EST	0	0	?	0	Flash Flood
Sumerset County, New Brunswick and Raritan	20	0200EST	0	0	?	0	Flash Flood

About 4 1/2 inches of rain fell across sections of Middlesex and Sumerset counties. In Edison of Middlesex County very heavy rain fell during a brief period. The Lakeview School received extensive damage from the resultant flood waters. Also in Edison the heavy rain caused the roof of a supermarket to collapse. Extensive flooding was also reported in Raritan and New Brunswick. In New Brunswick the flooding damaged the Robert Wood Johnson University Hospital.

CORRECTIONS

(CHANGES ARE UNDERLINED)

DECEMBER 1988

NATIONAL SUMMARY OF TORNADES, 1988

HENRY H. WIGANSKY
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER

TORNADE SUMMARY BY STATE AND NATION, 1988

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
PAGE I-8													
MISSOURI NUMBER			2				1						17
DAYS							1						1
DEATHS													13
INJURIES			5										23
PAGE I-9													
UNITED STATES NUMBER	17	4	28	56	132	63	103	41	76	18	121	20	1002
DAYS	3	0	10	16	21	21	13	16	11	8	13	8	156
DEATHS	5	1	4	2	3	0	20	3	11	8	14	11	322
INJURIES	43	0	16	37	37	42	74	5	14	40	350	8	547

STORM DAMAGE CATEGORIES

REFERENCE NOTES

- 1 Less than \$50
- 2 \$50 to \$500
- 3 \$500 to \$5,000
- 4 \$5,000 to \$50,000
- 5 \$50,000 to \$500,000
- 6 \$500,000 to \$5 Million
- 7 \$5 Million to \$50 Million
- 8 \$50 Million to \$500 Million
- 9 \$500 Million to \$5 Billion

- 0/Blank None reported.
 * Miles instead of yards.
 ** Yards instead of miles.
 @ Includes heavy sleet storm.
 # Freezing drizzle and freezing rain, commonly known as glaze.
 ≠ Report incomplete.
 ≠# Report not received.
 o/c Indicates Crop Damage amount is included in the value given for property damage.

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.

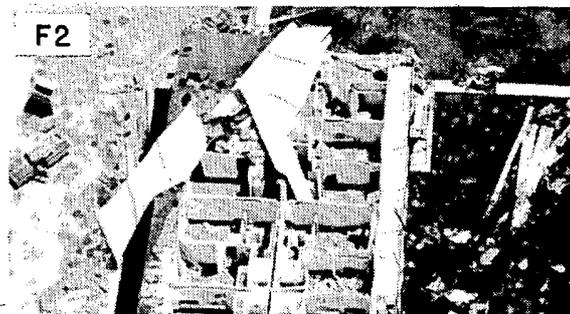
(F3) Severe tornado (158-206 mph): Severe damage
 Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.

(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.

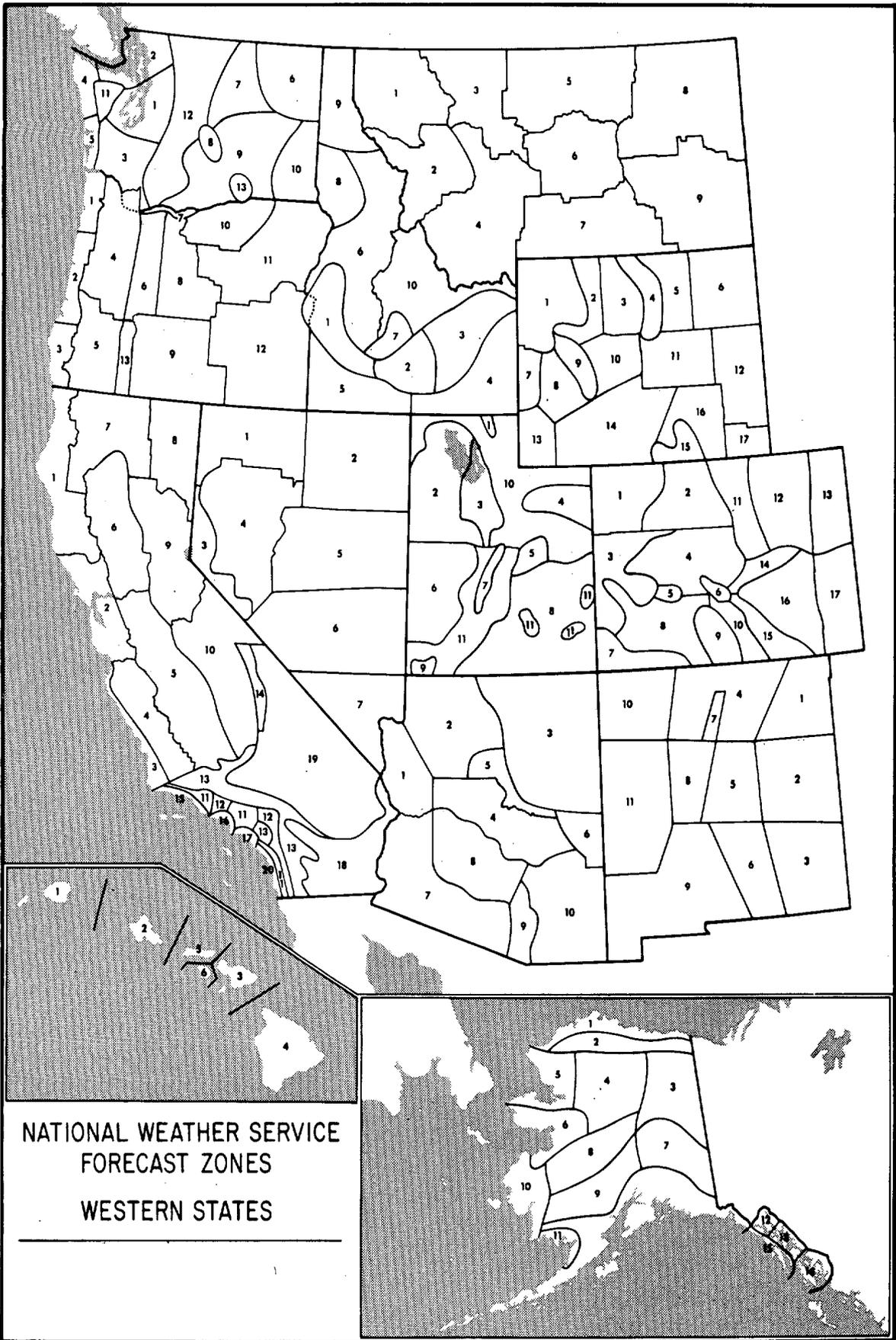
(F6-F12) (319 mph to Mach 1, the speed of sound):
 The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

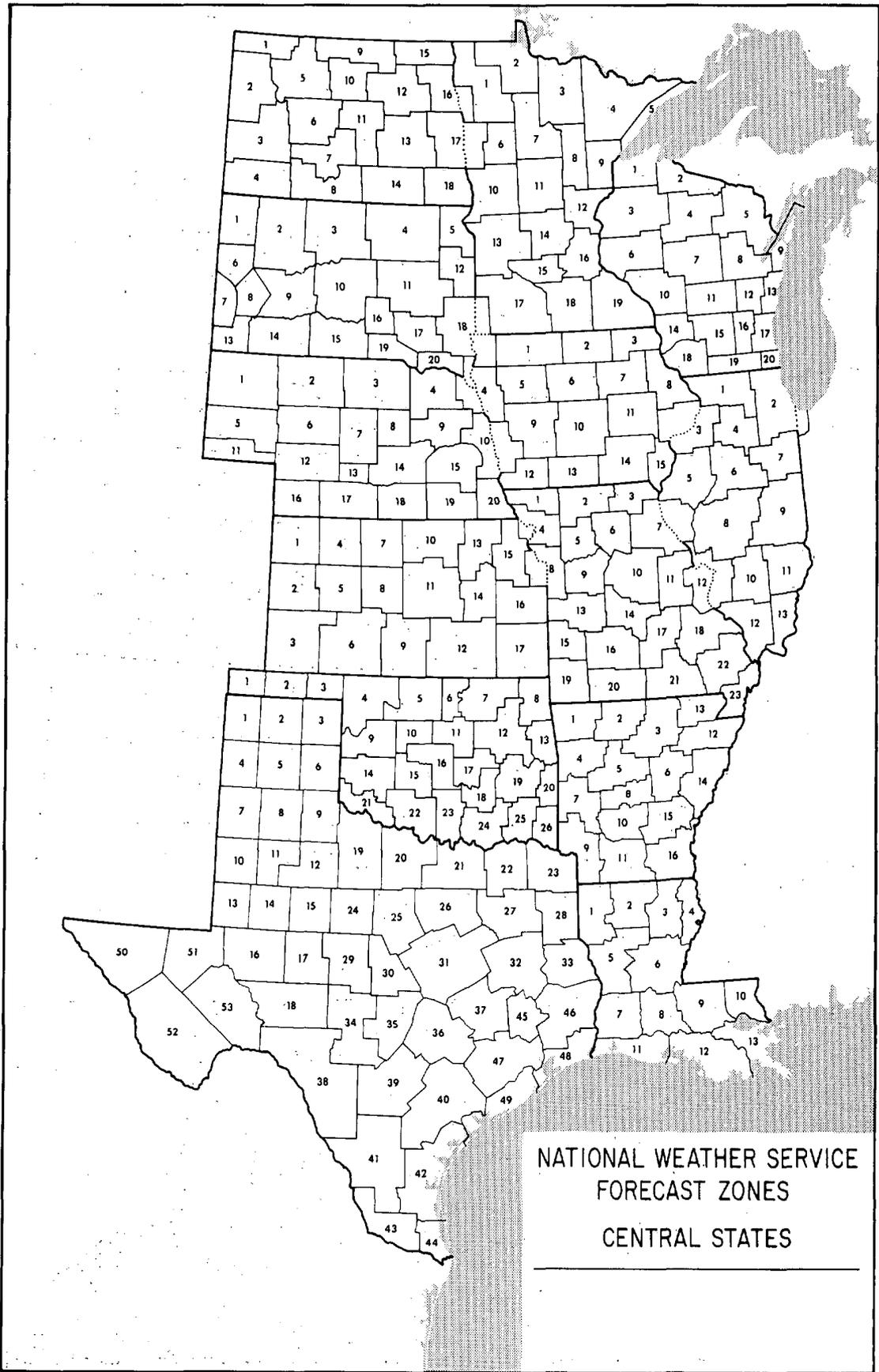
(F0+F1) Weak Tornado
 (F2+F3) Strong Tornado
 (F4+F5) Violent Tornado



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

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NATIONAL WEATHER SERVICE
FORECAST ZONES
CENTRAL STATES