

Recent tornado a fluke of a storm

By KRISTIN KORTEN
Katie Weaver of Bloomfield Hills probably never saw the tornado that claimed her life. Dr. Joseph Carmack of the National Weather Service says there will be no body.

In a speech Tuesday at Lawrence Institute of Technology in Southfield, Dr. Carmack lectured on not only how to spot a tornado, but what to do once one is sighted.

According to Carmack, the tornado that killed Katie Weaver and a four-month-old infant was not a typical one. Most tornadoes hit earlier in the day and later in the season.

Peak hours are between 3:30 p.m. in the spring months according to Carmack. The destructive wind that raged through Bloomfield Hills on March 20 struck after midnight and was extremely hard to spot in advance.

It is impossible to have a tornado without a thunderstorm preceding it, said Carmack. On a hot morning, air near the ground is warmed and begins to rise, sucking moisture with it. If this warm air meets with colder air in the upper atmosphere and mixes, a thunderstorm is formed.

Not every thunderstorm develops into a tornado. It is the impact of hot and cold air from north and south that causes the funnel cloud. With enough energy and turbulence, the cold air may begin to drop in patches, rotating counter-clockwise, forming funnel clouds. The funnel cloud is labeled a tornado only if it comes in contact with earth.

TORNADOES are always preceded by a thunderstorm, but the passing of a storm does not signal the end of danger, according to the doctor. Tornadoes are always carried near the rear of the storm, to the southeast corner, and will often not descend until the storm has almost cleared.

Most people are familiar with the picture of a classic funnel cloud. Some tornadoes are disguised, however, or nearly concealed by the storm background. If a funnel cloud is as dark as the storm cloud, it will be difficult to sight.

In the case of Saturday's tornado, darkness masked the funnel which was illuminated only by lightning. In such a case, the tornado might be visible from a different side of the city, said Carmack, or from a high vantage point.

The nearby vertical funnel cloud can vary in size and intensity. A very narrow cloud would probably leave a narrow path of destruction, whereas a wider one would do more damage.

Carmack claims that funnel clouds can come in pairs. As many as six funnels have been sighted with one storm. Three giant funnels can merge, forming an even larger, more destructive tornado.

There is little time to move or take cover since tornadoes move on the ground at 20 to 70 miles an hour. Dr. Carmack advises people to move quickly after a sighting. For that reason, most people have to rely on the weather bureau, television and radio announcements.

ACCORDING to Carmack, a tornado watch is a signal that proper conditions exist for tornado formation. It is always beamed to local weather stations from the regional station in Kansas City, Mo. Once the local weather station is notified, announcements are sent to TV and radio stations and police departments. The local office serving Detroit area is at Metro Air port.

After receiving a watch, tornado warnings are issued within an hour or less. This means a funnel cloud has been sighted. The warnings will always contain affected counties. Carmack said.

People in affected areas should take up a watch to their immediate vicinity. If people are in their homes, the basement is the best area to seek out the storm. The safest place is under or near a sturdy object which will offer protection from falling objects. Such sturdy objects of ferred by the doctor include pool tables, freezers and work benches.

In homes with no basement, head for an interior room with a minimum of windows such as an interior linen closet or the bathroom if it is fairly protected with a minimum of glass. The tub provides a fairly sturdy place to seek shelter, Carmack said.

In a large public building, head for the lower floors, away from walls and glass. It is generally better to stay than to leave for home under such conditions, the doctor said.

Peak hours are between 3:30 p.m. in the spring months according to Carmack. The destructive wind that raged through Bloomfield Hills on March 20 struck after midnight and was extremely hard to spot in advance.

It is impossible to have a tornado without a thunderstorm preceding it, said Carmack. On a hot morning, air near the ground is warmed and begins to rise, sucking moisture with it. If this warm air meets with colder air in the upper atmosphere and mixes, a thunderstorm is formed.

Not every thunderstorm develops into a tornado. It is the impact of hot and cold air from north and south that causes the funnel cloud. With enough energy and turbulence, the cold air may begin to drop in patches, rotating counter-clockwise, forming funnel clouds. The funnel cloud is labeled a tornado only if it comes in contact with earth.

TORNADOES are always preceded by a thunderstorm, but the passing of a storm does not signal the end of danger, according to the doctor. Tornadoes are always carried near the rear of the storm, to the southeast corner, and will often not descend until the storm has almost cleared.

Most people are familiar with the picture of a classic funnel cloud. Some tornadoes are disguised, however, or nearly concealed by the storm background. If a funnel cloud is as dark as the storm cloud, it will be difficult to sight.

In the case of Saturday's tornado, darkness masked the funnel which was illuminated only by lightning. In such a case, the tornado might be visible from a different side of the city, said Carmack, or from a high vantage point.

The nearby vertical funnel cloud can vary in size and intensity. A very narrow cloud would probably leave a narrow path of destruction, whereas a wider one would do more damage.

Carmack claims that funnel clouds can come in pairs. As many as six funnels have been sighted with one storm. Three giant funnels can merge, forming an even larger, more destructive tornado.

There is little time to move or take cover since tornadoes move on the ground at 20 to 70 miles an hour. Dr. Carmack advises people to move quickly after a sighting. For that reason, most people have to rely on the weather bureau, television and radio announcements.

ACCORDING to Carmack, a tornado watch is a signal that proper conditions exist for tornado formation. It is always beamed to local weather stations from the regional station in Kansas City, Mo. Once the local weather station is notified, announcements are sent to TV and radio stations and police departments. The local office serving Detroit area is at Metro Air port.

After receiving a watch, tornado warnings are issued within an hour or less. This means a funnel cloud has been sighted. The warnings will always contain affected counties. Carmack said.

People in affected areas should take up a watch to their immediate vicinity. If people are in their homes, the basement is the best area to seek out the storm. The safest place is under or near a sturdy object which will offer protection from falling objects. Such sturdy objects of ferred by the doctor include pool tables, freezers and work benches.

In homes with no basement, head for an interior room with a minimum of windows such as an interior linen closet or the bathroom if it is fairly protected with a minimum of glass. The tub provides a fairly sturdy place to seek shelter, Carmack said.

In a large public building, head for the lower floors, away from walls and glass. It is generally better to stay than to leave for home under such conditions, the doctor said.

Peak hours are between 3:30 p.m. in the spring months according to Carmack. The destructive wind that raged through Bloomfield Hills on March 20 struck after midnight and was extremely hard to spot in advance.

It is impossible to have a tornado without a thunderstorm preceding it, said Carmack. On a hot morning, air near the ground is warmed and begins to rise, sucking moisture with it. If this warm air meets with colder air in the upper atmosphere and mixes, a thunderstorm is formed.

Not every thunderstorm develops into a tornado. It is the impact of hot and cold air from north and south that causes the funnel cloud. With enough energy and turbulence, the cold air may begin to drop in patches, rotating counter-clockwise, forming funnel clouds. The funnel cloud is labeled a tornado only if it comes in contact with earth.

TORNADOES are always preceded by a thunderstorm, but the passing of a storm does not signal the end of danger, according to the doctor. Tornadoes are always carried near the rear of the storm, to the southeast corner, and will often not descend until the storm has almost cleared.

Most people are familiar with the picture of a classic funnel cloud. Some tornadoes are disguised, however, or nearly concealed by the storm background. If a funnel cloud is as dark as the storm cloud, it will be difficult to sight.

In the case of Saturday's tornado, darkness masked the funnel which was illuminated only by lightning. In such a case, the tornado might be visible from a different side of the city, said Carmack, or from a high vantage point.

OCC career day is April 1—no foolin'

A career information day will be held at the Orchard Ridge campus of Oakland Community College Thursday, April 1, 9 a.m. to 5 p.m. in buildings M and J.

It will represent the combined efforts of several departments: admissions, graduate placement, business communications and student activities. It is designed to appeal to all ages and interests.

Daytime events will feature representatives from area businesses as well as unusual occupations such as a museum director and a Celery Growers Association agent.

In addition there will be seminars and information sessions on career development techniques and audio-visual presentations on careers, preparing for work and other related topics.

Lewis L. Knickerbocker, administrator of college and professional employment for Detroit Edison, and Michael B. Shea, coordinator college relations and professional placement for the American Natural Gas Company will be among the featured speakers.

In the evening participants will have an opportunity to talk one-to-one with senior citizens from the Orchard Ridge student body about their former careers (if they are retired) and their ongoing careers as well as with representatives of business and industry. This will take place on the fourth floor of J building from 7:30 p.m. to 9:30 p.m.

Tours of the campus and facilities will be provided for those interested. The events are free and open to the public.

William Bliss of Farmington (left) recently received the distinguished youth service award from Theodore Zukosky, president of the United Northwestern Realty Association and the Western Wayne County Board of Realtors. The award is given to persons who have provided extensive service to the youth of his community. Bliss helped introduce the national basketball free throw contest on the Farmington area and was the chairman of the southeast Michigan district playoffs.

Good work, Bill

East death probe ends

(Continued from page 11)

The Labor Department cited the district for 25 violations of the safety act as a result of its investigation conducted at the school after the electrocution death. The district was fined \$558 in civil penalties for these violations.

I am aware that the Farmington School District has taken actions to avoid similar accidents, Patterson said. "It truly would be regrettable if young Robert Kortjian's unfortunate death passed on quickly from the memory of teachers and school administrators in this state."

Let's hope there isn't a resumption of conditions which although not criminal in themselves, certainly are inherently dangerous.

In an effort to assure that incidents like this never recur, Patterson has decided to take the electrocution case to Lansing.

I have scheduled a meeting with legislators and school administrators in order to propose legislation to correct the deficiencies in the present laws and insure the safety and welfare of students while in school, Patterson concluded.

Enjoy, enjoy, Delta's Champagne Coach isn't just champagne. It's superb food service. It's roomy comfort on our 37 jets with new Wide Rule cabins and our Wide Rule L-1011 TriStar's. It's the Delta coaches you'll want to fly in. Men and women who know their jobs and love their work.

No other airline beats Delta's low fares. You fly for 27¢ off Delta Tourist on Delta's round-trip Midwest (4 cities) route to Florida. Miami or Ft. Lauderdale is just \$81. Tampa St. Pete only \$72 each way on round-trip. Check Delta or your Travel Agent for details.

Your Travel Agent takes the work out of play. Let him handle all the details. Or call Delta at 855-3200. Delta and your Travel Agent accept American Express and all other major general purpose credit cards. Have a nice trip! #DELTA

Miami: Nonstop, plus morning and night. A thru jet every afternoon. Day Tourist and Night First Class \$81. Night Tourist \$81.

Ft. Lauderdale: A nonstop every morning. Delta's new SuperCoach with \$72. Day Tourist and Night First Class \$81. Night Tourist \$81.

Tampa-St. Pete: Nonstop morning and night. Delta's new SuperCoach with \$72. Day Tourist and Night First Class \$81. Night Tourist \$81.

Orlando-Walt Disney World: Fly nonstop any afternoon through night. Day Tourist and Night First Class \$81. Night Tourist \$81.

West Palm Beach: Five flight times a day, two straight thru. Day Tourist and Night First Class \$81. Night Tourist \$81.

Fares and schedules subject to change without notice.

Delta is ready when you are.

4 Easy Ways to Buy Your Tickets

1. By Mail—send check, money order or MasterCard Charge number to Olympia Travel Agency, 1510 Grand River, Detroit 48208. (Include stamped self-addressed envelope for return.)

2. By Phone—call Olympia Travel Agency at 895-7000.

3. In Person—call Olympia Travel Agency at 895-7000 or visit at all Metro-Graham locations or Olympia Travel Agency at 1510 Grand River, Detroit 48208. No day of show sales at these locations.

4. At Olympia—make your shopping with MasterCard Charge or cash.

50th ANNIVERSARY SEASON!!!

OASIS GOLF CENTER

1 P T PRO SHOP

XX OUT GOLF BALL SPECIAL

- HOGAN • TOPLITE • \$6.75 DOZ
- TITLEIST • BLUE MAX

ACUSHNET'S HOGAN GLOVES \$5.95

MAIG 1875 ULTRA DRY H & WILSON 120's SALE 11 Woods 1 Irons 1 Club \$245.00 \$227.50

Private or Group Lessons Available

Call Bob Koenig for more information

39500 FIVE MILE ROAD (Between Eckles & Haggerty) 453-0838 Hours: 10 a.m. to 7 p.m. Daily

P.N. people make your living all A.M.'s

The "P.N." people make your living all A.M.'s. They are the professionals who work the night shift, ensuring that your business runs smoothly around the clock. They are the P.N. people who make your living all A.M.'s.

P.N. PRACTICAL MANAGEMENT

BROOKLANE GOLF COURSE

18 HOLES - PAR 60

OPENS FOR THE SEASON APRIL 1st

Golf Leagues Now Forming

Electric Carts Available • Watered Fairways

Group & Private Lessons • Video Tape Instant Replay Available

JOHN KOCH, P.G.A. Professional
BEN NORTHROP, Manager

CORNER SHELTON & 6 MILE ROADS
NORTHVILLE 349-9777

LIVONIA BUILDING MATERIALS CO.

12770 Farmington Rd 937-0478 S. of Schoolcraft Rd 421-1170

FORMICA IN STOCK

30" x 96" 36" x 96" YOUR CHOICE 70¢ SQ. FT.

OTHER SIZES AND COLORS AVAILABLE PRICED PER TYPE AND FINISH 2 DAY DELIVERY

WALLBOARD (Dry Wall)	4 x 8	4 x 10	4 x 12
3/8"	1.99	3.10	3.75
1/2"	2.10	3.20	3.90

OTHER LENGTHS IN STOCK UP TO 4 x 16

MON.-FRI. 9-5 SAT. 8-12

LARGE SELECTION OF DO-IT-YOURSELF QUALITY TOOLS

The fabulous HARLEM GLOBETROTTERS in person!

Sunday, April 11

Two Games—2:00 PM and 7:00 PM

OLYMPIA STADIUM

For Ticket and Group Sales Information—Call 895-7000

PLenty of UNder ATTENDED PARKING

4 Easy Ways to Buy Your Tickets

- By Mail—send check, money order or MasterCard Charge number to Olympia Travel Agency, 1510 Grand River, Detroit 48208. (Include stamped self-addressed envelope for return.)
- By Phone—call Olympia Travel Agency at 895-7000.
- In Person—call Olympia Travel Agency at 895-7000 or visit at all Metro-Graham locations or Olympia Travel Agency at 1510 Grand River, Detroit 48208. No day of show sales at these locations.
- At Olympia—make your shopping with MasterCard Charge or cash.

50th ANNIVERSARY SEASON!!!

Fly Delta's Champagne Coach to Florida.

Delta presents Tourist with a big touch of class. Free champagne for all adults in Tourist on our Florida nonstops from Detroit.

Enjoy, enjoy, Delta's Champagne Coach isn't just champagne. It's superb food service. It's roomy comfort on our 37 jets with new Wide Rule cabins and our Wide Rule L-1011 TriStar's. It's the Delta coaches you'll want to fly in. Men and women who know their jobs and love their work.

No other airline beats Delta's low fares. You fly for 27¢ off Delta Tourist on Delta's round-trip Midwest (4 cities) route to Florida. Miami or Ft. Lauderdale is just \$81. Tampa St. Pete only \$72 each way on round-trip. Check Delta or your Travel Agent for details.

Your Travel Agent takes the work out of play. Let him handle all the details. Or call Delta at 855-3200. Delta and your Travel Agent accept American Express and all other major general purpose credit cards. Have a nice trip! #DELTA

Miami: Nonstop, plus morning and night. A thru jet every afternoon. Day Tourist and Night First Class \$81. Night Tourist \$81.

Ft. Lauderdale: A nonstop every morning. Delta's new SuperCoach with \$72. Day Tourist and Night First Class \$81. Night Tourist \$81.

Tampa-St. Pete: Nonstop morning and night. Delta's new SuperCoach with \$72. Day Tourist and Night First Class \$81. Night Tourist \$81.

Orlando-Walt Disney World: Fly nonstop any afternoon through night. Day Tourist and Night First Class \$81. Night Tourist \$81.

West Palm Beach: Five flight times a day, two straight thru. Day Tourist and Night First Class \$81. Night Tourist \$81.

Fares and schedules subject to change without notice.

Delta is ready when you are.