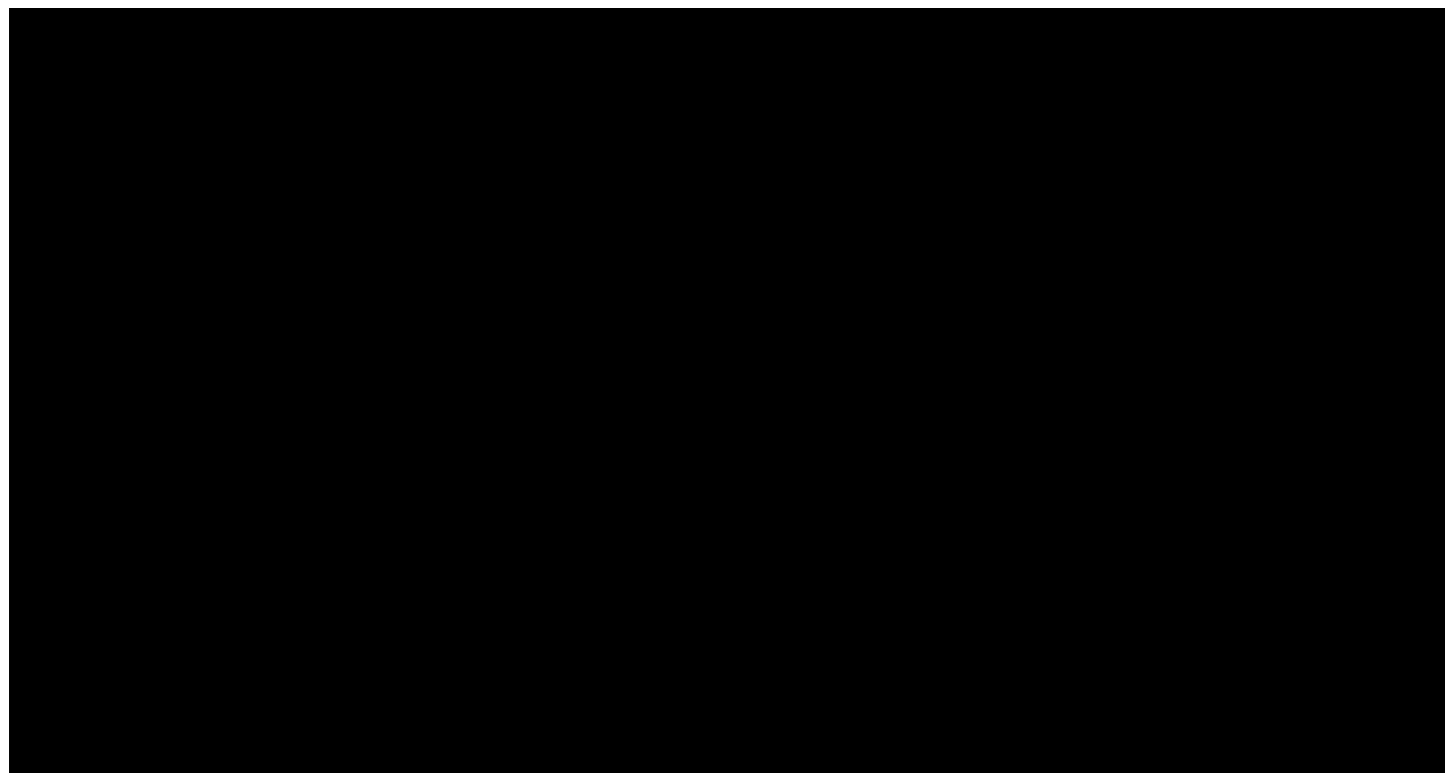


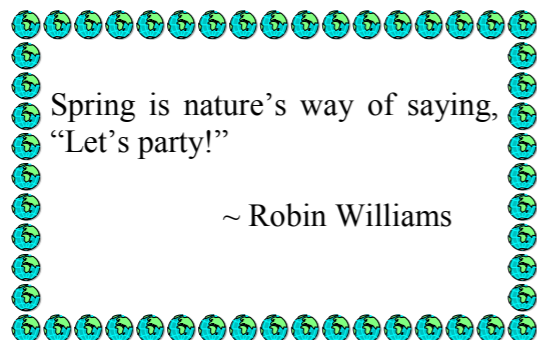
Heat Index Chart

% relative humidity

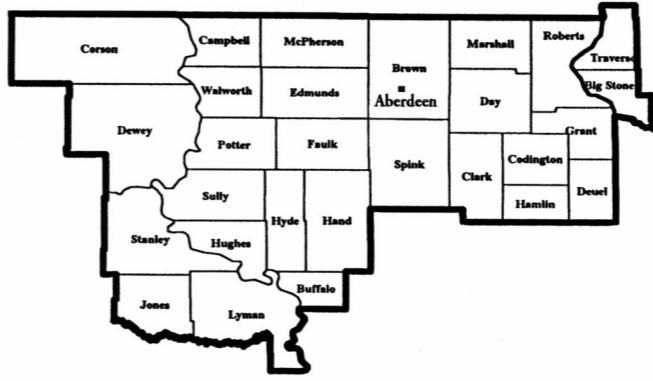


National Weather Service
824 Brown Co 14 S
Aberdeen SD 57401

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We're on the Internet
<http://www.crh.noaa.gov/abr>



SKY SCANNER

National Weather Service Forecast Office
Aberdeen, South Dakota

April 2006



Severe Weather Awareness Week

April 17-21
Minnesota

April 24-28
South Dakota

Spring is upon us again...and with it comes the onset of severe weather. Severe Weather Awareness Week provides communities the opportunity to begin thinking about severe weather and severe weather preparedness.

The National Weather Service, in association with state and local emergency management associations, will conduct drills during these awareness weeks. This gives people a chance to put their severe weather procedures to the test and make them as good as they can be for when severe weather actually strikes.

The Minnesota drill will be on Thursday, April 22nd. The South Dakota drill will be on Wednesday, April 26th. Please use these times to make yourself aware of what strategies you need to have in order to keep you and your family safe this severe weather season.

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Minnesota Drill

9:00 AM — The National Weather Service will issue a simulated Tornado Watch.

1:45 PM — The National Weather Service will issue a simulated Tornado Warning. Cities and counties state-wide will activate outdoor warning siren systems.

2:00 PM — The National Weather Service will issue an "end of test" message.

6:55 PM — Another simulated Tornado Warning will be issued for participating counties. Traverse county will be included in this warning, but Big Stone county will not.

South Dakota Drill (all times CDT)

10:00 AM — The National Weather Service will issue a simulated Tornado Watch.

10:15 AM — The National Weather Service will issue a simulated Tornado Warning.

10:30 AM — The National Weather Service will issue an "end of test" message.

Additional safety and preparedness information can be found at:
www.weather.gov/abereen

Aberdeen National Weather Service Welcomes a New Meteorologist-in-Charge



NOAA's National Weather Service has named James Scarlett to serve as meteorologist in charge of the Weather Forecast Office in Aberdeen, S.D. Scarlett began his new duties March 19, 2006.

A veteran of more than 12 years with NOAA's National Weather Service, Scarlett has held a variety of forecast and management positions in North Dakota and Montana. From beginnings as a meteorologist intern at the Williston, N.D., forecast office in 1993, Scarlett worked his way through various positions with increasing responsibility to lead forecaster and Warning Coordination Meteorologist at the Billings, Mont., office.

"With his years of experience at Williston and Billings, James Scarlett has had a wealth of experience in High Plains meteorology that will continue to well serve the people of South Dakota and western Minnesota," said Gary L. Foltz, acting director, National Weather Service Central Region in Kansas City, Mo. "I know Jim's experience and leadership will be assets to the staff and the community. He will continue to promote the excellent coordination with local governments and the business community, as well as supporting far reaching public outreach that has been a strong point of the Aberdeen forecast office."

Scarlett earned his Bachelor of Science degree in meteorology at the University of North Dakota in December 1990. He joined the National Weather Service as a meteorologist intern at the Williston office in 1993. He became a general forecaster at the Billings office in 1995 and rose through the ranks there to senior forecaster and Warning Coordination Meteorologist in August 2002.

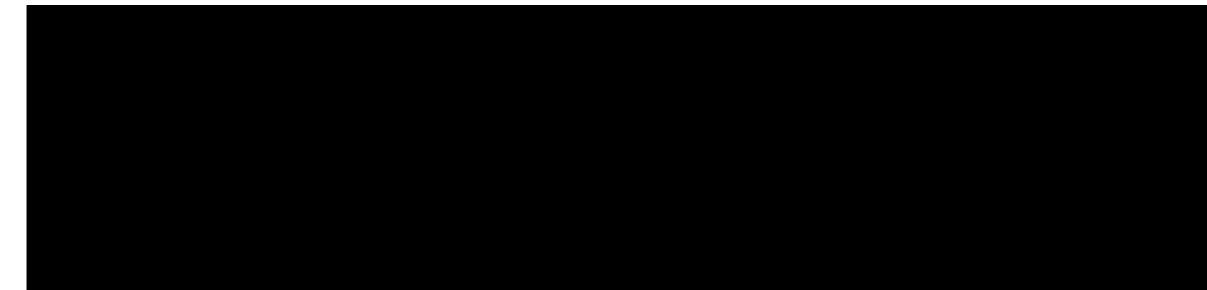
"I am very excited to join the outstanding teams of weather professionals at Aberdeen and Central Region," Scarlett said. "I am looking forward to meeting and working with our customers and making the office in Aberdeen the best in the Weather Service."

Spring Frost and Freeze Data

by Scott Doering

As winter comes to a close and the snow melts away, many people are itching to the begin planting season. The average freeze and frost dates are very important to a horticulturist. A freeze is defined as when the surface air temperature is expected to be 32°F or below over a widespread area for a significant period of time. Frost describes the formation of thin ice crystals on the ground or other. Frost develops under conditions similar to dew, except the temperatures of the Earth's surface and earthbound objects falls below 32°F. As with the term "freeze," this condition is primarily significant during the growing season. If a frost period is sufficiently severe to end the growing season or delay its beginning, it is commonly referred to as a "killing frost." Because frost is primarily an event that occurs as the result of radiational cooling, it frequently occurs with a thermometer level temperature in the mid-30s.

The table below lists consists of the average frost/freeze day of the year in the spring. The data in the last two columns contains the last day in the spring with a temperature of 32°F or less.



Please see the following link for more information:

http://climate.sdstate.edu/w_info/frost/frost.shtm

Severe Weather Crossword Contest

Across

- 1 A strong downward rush of air which produces a blast of damaging wind.
- 4 A booming noise caused by air expanding along a bolt of lightning.
- 7 The official name for a thunderstorm cloud.
- 8 A violently rotating column of air not in contact with the ground.
- 11 The flash of light that accompanies an electrical discharge in the atmosphere.

Down

- 2 A violently rotating column of air in contact with the ground.
- 3 Puffy clouds that mark unstable air.
- 5 A solid or nearly solid band of thunderstorms.
- 6 A rotating thunderstorm.
- 8 An excessive amount of water covering a large area.
- 9 A mechanism needed for thunderstorm development involving the air's ability to rise.
- 10 Pieces of ice that fall from thunderstorms.

The first person to correctly complete the puzzle and send it back to us will receive a free rain gauge.

Send your completed puzzle to: National Weather Service
824 Brown County 14 South
Aberdeen, SD 57401

Spotter Training Schedule

Spotter Training continues across the area. Below is a schedule of upcoming training sessions.

April 4	7:00 pm	Brown County	Aberdeen Courthouse (Emergency Management only)
April 5	7:00 pm	Lyman County	Kennebec Fire Hall
April 6	7:00 pm	Brown County	Aberdeen Courthouse
April 7	7:00 pm	Corson County	KLND Radio
April 11	12:30 pm	Brown County	Aberdeen Courthouse
April 12	7:00 pm	Campbell County	Mound City Community Center
April 13	7:00 pm	Brown County	Aberdeen Courthouse (Emergency Management only)
April 18	7:00 pm	Spink County	Redfield Courthouse
April 19	6:30 pm	Traverse County	Wheaton Fire Hall
April 20	7:00 pm	Deuel County	Clear Lake Fire Hall
April 24	7:30 pm	Potter County	Gettysburg Fire Hall
April 25	7:00 pm	Codington County	Watertown Extension Office
April 26	3:00 pm	Codington County	Watertown Extension Office
April 26	7:00 pm	Hamlin County	Hayti 4-H Auditorium
May 2	7:00 pm	Roberts County	Sisseton Fire Hall
May 4	7:00 pm	Faulk County	Faulkton Courthouse



1-605-225-0519

When significant or unusual weather events occur, give us a call! We're always happy to hear from the public, especially if you're calling to report hail, strong winds, or tornadoes. Don't wait until the next day...call us when it's happening.

Lightning Safety

Lightning is the number 2 weather related killer...second only to flash flooding. Following are some safety tips to remember.

Plan outdoor activities to avoid thunderstorms. Listen to NOAA Weather Radio for the latest weather forecast before heading out.

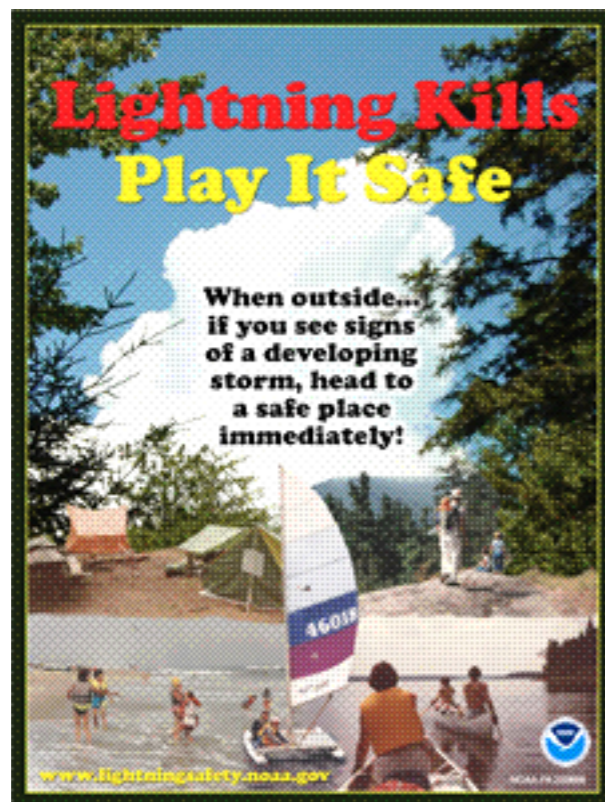
30/30 Rule: If 30 seconds or less between lightning and its thunder, go inside. Stay inside 30 minutes or more after the last rumble of thunder is heard.

Fully enclosed large buildings provide good lightning protection. Vehicles with solid metal roofs and solid metal slides give some protection.

Don't use corded telephones. Keep away from electrical appliances, wiring, plumbing and windows.

Avoid elevated places and open spaces. Stay away from water and tall isolated objects. Do NOT go under trees! Allow time to reach safety. Don't seek refuge in open structures.

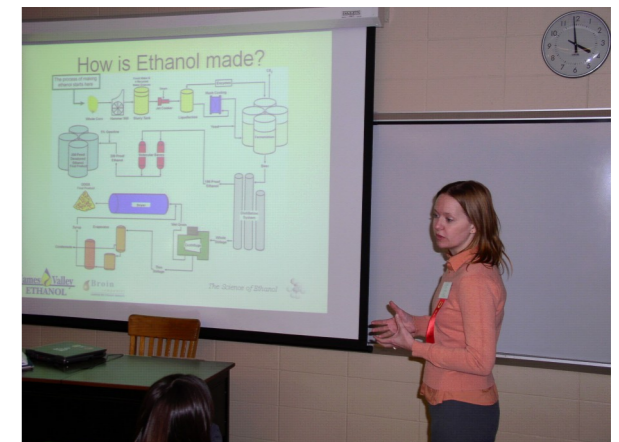
First Aid: Call 911. All lightning deaths are from cardiac/respiratory arrest. Use an AED,CPR, or rescue breathing.



5th Annual Women in Science Conference held in Aberdeen

Johnson Fine Arts Center, on the campus of Northern State University, was the setting for the 5th annual Women in Science Conference on March 8th. Seven speakers consisting of women working in the fields of pediatrics, electrical engineering, anthropology, firefighting, dietetics, and hurricane hunting were featured during 20 minute break out sessions in the morning. The keynote speaker was Jane Curry, who travels around performing educational skits for high school and college age students. The skit she performed was entitled "Miz Wizard's Science Secrets: A History of Women in Science." Approximately 300 high school girls from 9 area schools attended.

Below are some pictures taken at the conference.



Rachel Kloos, an engineer with the James Valley Ethanol Plant speaks at the conference.



Christa Hornbaker, a hurricane hunter with the U.S. Air Force talks to students during one of the sessions.



Students arrive for the Women in Science Conference.