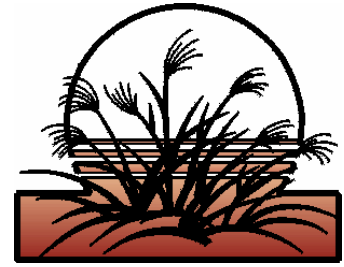




**NEWSLETTER
TWIN CITIES CHAPTER
AMERICAN METEOROLOGICAL
SOCIETY
December, 2005 Vol. 27 No. 3**



The December meeting of the Twin Cities Chapter of the AMS will be at 7 PM Tuesday, December 13, 2005, at 7 PM at KARE 11. Specific directions to the meeting can be found on page 4. AMS chapter members, interested acquaintances and potential members are invited to attend.

KARE11 Weather

**Featured Speaker: *Featured hosts at KARE11: Don Moldenhauer, Belinda Jensen*
*"SkyScan11 and SkyScan11 VIPIR Presentation and Tour of the KARE11 Weather Office"***

In keeping with our tradition of holding our December meetings at local media stations, we will be taken on a tour of the KARE11 studio and weather office by either Belinda Jensen or Don Moldenhauer. Some of you may recall that we had visited KARE 11 studios three years when Don and Belinda gave a presentation of SkyScan11 and SkyScan11 VIPIR using data from the Ladysmith Labor Day tornado

Both Belinda Jensen and Don Modenhauer obtained a BS in meteorology from UW-Madison. Don is Executive Producer-Weather, overseeing the weather product at KARE11. Belinda Jensen is currently a weekend meteorologist, soon to become chief meteorologist when Ken Barlow leaves KARE 11.



Comments from our Chapter President: Rich Naistat

Wow! What a difference a year makes. Last year our attendance was quite meager; last month it was almost standing room only. Karen Trammell's presentation was well-received by all.

I'm very pleased to report that our new members have rejuvenated our chapter. By adopting many of the recommendations of our "increased membership suggestions team", we really seem to be moving in the right direction. And, this makes my AMS life so much more pleasurable.

Note that the December meeting is the **second** Tuesday of the month. This was done to avoid scheduling too close to the busy holiday season. As seen elsewhere in the newsletter, our meeting will be at KARE-11 at 7 PM on Tuesday, December 13th. Either Belinda Jensen or Dan Moldenhauer will be our host. Thanks to KARE-11 for hosting us this year!

At the December meeting, we will discuss our location and topic for the January meeting. Shelby is continuing to investigate restaurant options. At the last meeting, the membership was happy with going to restaurants, some of the time, where the entrees do not exceed \$15 per person.

The officers for 2005-2006 are: President – Rich Naistat Sec-Treasurer –Chris Bovitz
 Vice Pres – Shelby Winiecki Newsletter Ed – Kurt Scholz

Minutes of the November Meeting - Chris Bovitz

The November meeting of the Twin Cities American Meteorological Society was called to order at 7pm at the Twin Cities WFO in Chanhassen, MN.

Kevin Huyck, head of the speaker committee, informed us that they had found a speaker for our January meeting. He is a doctoral student at the University of Minnesota, studying severe weather climatology of Minnesota. The committee also looked at a restaurant to hold a meeting, but to narrow their selection, they needed to know what entree price range the membership would be most in favor of. A quick poll revealed \$10-\$15.

For our next meeting, Secretary/Treasurer Chris Bovitz was to contact one of the local TV stations for a tour. He said that he contacted the one which we had visited the longest ago, but they had not written back yet. President Rich Naistat said that they would be at the WFO tomorrow for a winter weather workshop; he would ask them then.

Chris gave a brief summary of the last meeting, and he gave a summary of the chapter expenses and revenues since the last meeting.

Then the main speaker, Karen Trammell, began her presentation on the September 21, 2005, tornado and windstorm event which occurred in the northern suburbs of the Twin Cities. Karen is a forecaster at the Twin Cities WFO, a recent transfer from the Norman/Oklahoma City WFO.

This severe weather event was notable for a number of reasons: The time of year (mid- to late September) and time of day (after sunset), the number and strength of

the tornadoes (4 on this day, and the state's only F2 tornado), the winds (a large area of 70 mi/hr and greater), hail (up to 3 inches in diameter), the location (in a metropolitan area), and its making the national news (during Hurricane Rita).

Karen took us through the synoptic setting, which had most of the ingredients one might expect for severe weather such as a low-level boundary, a (weak) low-level jet, and an upper jet streak. At 12Z, these features were not aligned, but they had become better aligned and sharper by 00Z.

The mesoscale features were what focused the storm across the Twin Cities. A low-level boundary in central Minnesota moved slowly southward through the late afternoon, encountering an environment with increasing low-level shear, convective available potential energy (CAPE), decreasing lifting condensation levels (LCLs), and backing winds south of the boundary advecting dewpoints in the 70s.

A severe thunderstorm which developed along the boundary northwest of the Twin Cities did not produce a tornado, but when it approached the better conditions in the Twin Cities, it evolved into a high-precipitation supercell over the northwestern suburbs, and it did produce a tornado which caused F2 damage, large hail, and strong winds.

Karen offered a thesis about how the storm changed its environment which allowed it to evolve from a classic supercell to a HP supercell.

After a few minutes of questions, Karen concluded her presentation. The meeting ended about 8:30 p.m.

Editor's notes



If you haven't already done so, please submit your annual dues to our secretary-treasurer Chris Bovitz at this meeting or next month's. You can also mail your annual dues to Chris at the address on page 4. Dues remain at \$20 for regular members and \$6 for student members. After January, those who haven't updated their membership will only receive an electronic copy of this newsletter.

Good news: we have extended the weather contest deadline, so submit your entry soon.

Winners will receive a \$20 gift certificate.

A request from Chris Bovitz: please post a copy of this newsletter where other interested people might see it. Also feel free to forward to others the link to the newsletter:

http://byte.stthomas.edu/www/math_http/weather/tcametsoc.html

The best advertising we can get is word of mouth.

There's never been a more exciting time to be a member of the AMS! Over 1300 professionals, students, and weather enthusiasts joined the AMS in 2004 because they believed that their annual dues were a smart investment. And I think that you and your fellow chapter members will too. Here are a few reasons why:

Bulletin of the AMS (BAMS)

BAMS, the flagship AMS publication, contains news on Society activities and programs, interdisciplinary peer-reviewed articles, membership news, conference information and summaries, book reviews, and more. Members tell us that they have never enjoyed reading *BAMS* as much as they do now - often reading it straight through from cover to cover. Visit the AMS Web site at www.ametsoc.org to view a list of recent articles.

***Weatherwise* magazine**

By agreement with Heldref, the publishers of *Weatherwise*, AMS members can now subscribe to this exciting magazine at a discounted price. Written for a general audience, *Weatherwise* offers a non-technical look at the latest discoveries in meteorology and climatology. The magazine's annual Photo Contest is a breathtaking gallery of prize-winning photography. Check out the *Weatherwise* Web site at www.weatherwise.org to view the latest table of contents.

Special access to our new Career Center online

Use our new Career Center to create an online resume, view available jobs, and manage your career search online. Our database of resumes lists AMS members *first* and *only* AMS members have exclusive viewing rights to the newest job postings!

Great benefits for Associate Members

Our Associate Member [benefits package](#) includes a subscription to either *BAMS* or *Weatherwise*, substantial discounts on journal subscriptions and meeting registration fees, access to information for members only, and much more. Annual dues are just \$55 per year.

Applying for membership in the Society is easy. Simply download a [membership application](#) from our Web site and return it to us by fax or by mail. If you have any questions regarding membership or the application process, or if you would like to receive additional copies of the membership application by mail, our Member Services department is available by email at amsmem@ametsoc.org or by phone to 617-227-2425 to assist you.

Please fill out this form and mail it in with your annual Chapter dues, whether or not you are entering the forecast contest. This information is used for Chapter purposes only, and only your name will be listed on the Chapter web site.

Name _____ Daytime phone _____

Address _____

City _____ State _____ Zip code _____

E-mail address _____ If you prefer to be notified via e-mail when the newsletter is posted on our website, rather than having us mail you a paper copy of the newsletter, check here _____.

Suggestion for an AMS meeting topic _____

Dues are \$20 per year for regular membership, \$6 per year for student membership.

Make checks payable to **Twin Cities AMS**, and mail to: **Chris Bovitz**
20716 Hurley Avenue
Lakeville, MN 55044

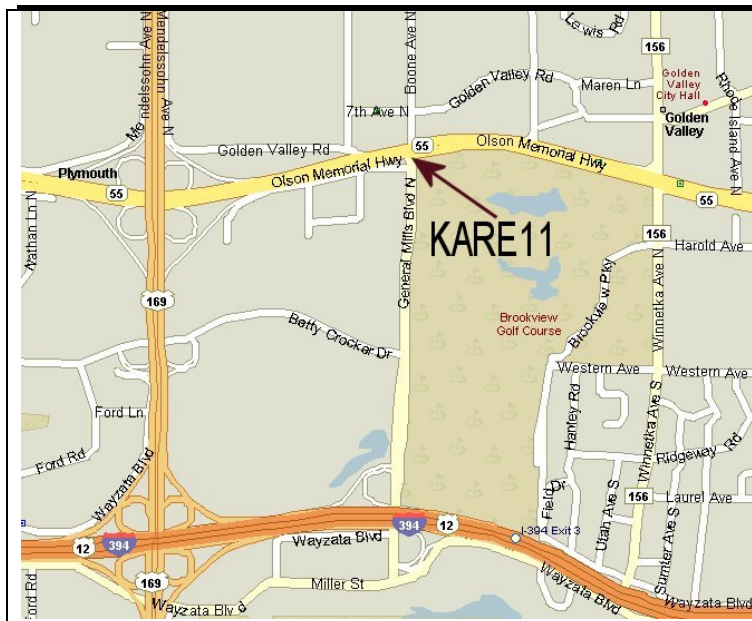
Forecast contest entry: Total snowfall (inches and tenths) **for the season**, through May 1, at The Chanhassen NWS office _____

Coldest low temperature for the winter (Dec 21 through Mar 19) _____

Tiebreaker question: **Highest maximum temperature** for the winter (Dec 21 through Mar 19). _____

All temperature readings will be from MSP. Your contest entry and your 2005-2006 dues must be received by December 31, 2005 for you to be eligible to win.

Reminder: The November meeting will be held at 7pm, on Tuesday December 13th, KARE 11.



Directions to KARE11:

KARE11 is located at the intersection of Hwy. 55 and General Mills Blvd. It is at the first intersection east of Hwy. 169. Those coming here on I-394 can take the General Mills exit and head north to the station - about 3/4 mile. Parking is in the large lot in the rear of the building. From there, walk up to the main entrance at the front of the building near the small driveway. Chapter members are free to call Don Moldenhauer at (763) 797-7320 for more detailed instructions.



AMS on the WWW

The address for the Twin Cities Chapter of the AMS is: http://byte.stthomas.edu/www/math_http/weather/tcametsoc.html. Please send any comments, suggestions, changes of address, misspellings, etc. to Kurt Scholz, k9scholz@stthomas.edu.

Twin Cities Chapter AMS
c/o Kurt Scholz
3233 Snelling Ave. North
Arden Hills MN 55112-3644

