

AMS LOCAL CHAPTER AFFAIRS

Fall/Winter 2015

Volume 5, Issue 2

CHAPTER HAPPENINGS

ASHEVILLE

What would you do if you were an undergraduate student in meteorology or climatology major and wanted to know the types of jobs out there and what people do with those jobs?

You would ask the professionals in the field!

That is exactly what the Asheville AMS chapters' second networking and social mixing event offered on one August evening on the campus of University of North Carolina at Asheville (UNCA), sponsored by the local Asheville and UNCA student AMS chapters.

Nearly 25 UNCA students joined the members from the Asheville local chapter including scientists and staff from NOAA's National Centers for Environmental Information (NCEI)-Asheville, Cooperative Institute for Climate and Satellites – North Carolina (CICS-NC), and

U.S. Air Force's 14th Weather Squadron, and professors in meteorology and climatology from UNCA.

Between pizzas and sodas, stimulating conversations among rotating groups of students, scientists and professors, sparked laughter and helped address some concerns that students have for what they would like to do in the future – freshmen and seniors alike.

The peak of the evening for students had to be the moment when the Asheville AMS local chapter president announced one \$250 scholarship from the chapter, eligible to all UNCA AMS student chapter members. The winner will be selected by a panel consisting of three members of the Asheville Chapter from the applications received by October 31, 2015, and announced at the December or January local chapter meeting – potentially helping a student with attending the AMS annual meeting. ■



CORNELL UNIVERSITY

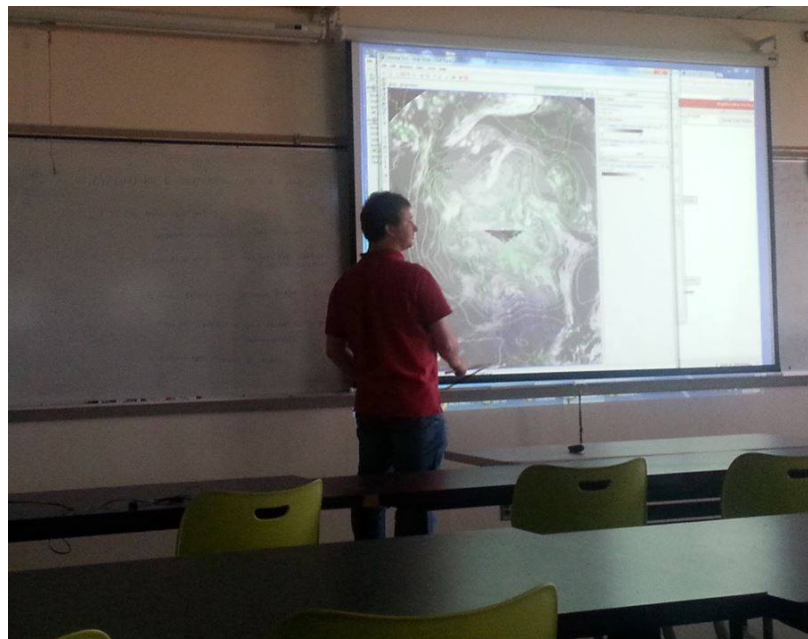
Even though the hurricane season was particularly quiet, the Cornell Chapter of the American Meteorological Society (CCAMS) had quite an energetic fall. With public outreach and education being a primary goal this year, CCAMS was involved in multiple events, including the club's first appearance in "Apple Fest", which is a festival celebrating the apple harvest held every autumn in Ithaca, NY. During this event, CCAMS members informed the public of various weather-related topics, from flood safety

and hurricanes to cloud formation, through the use of posters and brainteasers. The picture attached shows member Ethan Burwell playing the "Hurricane Bean Bag Toss" with children from the community. While "Apple Fest" was a success, CCAMS is always looking to further engage the public in weather discussion. To learn more about the organization, visit ccams.eas.cornell.edu. ■



SAN JOSE STATE UNIVERSITY

On October 9th, 2015, JP Kalb a senior undergraduate student at San Jose State University, came in number 3 overall of Weather Challenge participants and number 1 among undergraduate participants (Category 3) for the forecast city of Sandberg, California. The San Jose State faculty, alumni, local chapter, and current students would like to congratulate JP on this spectacular accomplishment. Keep up the great work! ■



RUTGERS UNIVERSITY

The Rutgers University Meteorology Club took part in the annual Cook Community Day in September. They hosted various demonstrations and detailed analysis into experiments at their table. At Cook Community Day, clubs were lined along each sides of the road, where interested students and professors could walk by and engage in what interested them. The Rutgers Meteorology Club made a statement with their "Tornado in a Bottle" and "Weather in a Tank" experiments and drew the largest crowds! These two experiments turned out to be the most engaging for the uninformed and generated curiosity and participation!

The most visible and time savvy experiment we had was the "Tornado in a Bottle." This experiment was to show the audience how tornadoes form. Members of the club went into detail about how a tornado actually originates and how unpredictable these storms can be to forecast!

Every hour, we also demonstrated our "Weather in a Tank" experiment in which we placed blue colored colder water and red colored warmer water in a tank separated by a partition. When we removed the partition, we saw

the flow of cold water sink, while warm water rose! Members then explained to onlookers how this works in the atmosphere!

With these two experiments, the Rutgers University Meteorology Club generated interest and signups. The Club will look into creating more advanced experiments to generate even more curiosity for the future! ■



EMBRY-RIDDLE AERONAUTICAL UNIVERSITY – DAYTONA BEACH

The Embry-Riddle Aeronautical University Daytona Beach chapter sent 16 people to visit the NOAA Hurricane Hunters at MacDill Air Force Base in Tampa,

Florida. We were allowed to tour the planes and learned about opportunities for meteorologists in NOAA's Commissioned Officer Corp. ■



IOWA STATE UNIVERSITY

In the Iowa State University meteorology department, making sure that the students and staff are a close knit group is something that's important. One of the ways that this happens is with the local student chapter's (ISU AMS) annual "Student-Faculty Dinner." Students from all grade levels get to sit down to have dinner and talk with faculty members. This allows new students to meet professors that they might not otherwise get to know until their Junior or Senior years. It is also a great

opportunity for higher level undergraduates to get to know the faculty even better, outside of the classroom. Making these connections with staff helps the students feel more comfortable around their professors later on, allows the professors to learn about the students' interests in the field and help guide them towards the best path to exploring those interests, and it helps to make the department stronger as a whole. ■



SOUTHEAST TEXAS/SOUTHWEST LOUISIANA

The Southeast Texas/Southwest Louisiana Chapter of the AMS/NWA hosted its 20th meeting on August 15, 2015. As part of the chapter's mission to continue member's education on fields related to hydrometeorology, Mr. Tom Malmay of Malmay & Associates based in West Monroe, Louisiana was invited to speak to the chapter on social media communication in emergencies. Members learned about how combining web based geographic information system applications with social media can be used by communities in all steps of emergency communication from preparedness to response and recovery. Members also enjoyed Mr. Malmay's comparison of disaster coverage in the media of the 1800s with that of today. The presentation was informative and provided valuable insight into the new tools being developed and utilized to help build resilient communities. ■



LYNDON STATE COLLEGE

The past few months have been eventful for Lyndon State's AMS Chapter! Some of the events that we have held include our annual car wash which raised over 200 dollars this year. We have also partaken in numerous hikes including Burke Mountain and Mt Washington.

We are currently holding our annual fundraiser—"The

First Inch Contest" where participants guess when the first inch of snow will fall here at the college. With many more events and conferences planned for the fall, the LSC AMS Club is off to a great start! ■



SOUTHEAST ARIZONA

The Southeast Arizona Chapter of the American Meteorological Society (SEACAMS) joined the National Weather Service Tucson Open House on October 17th, 2015. The occasion was the 75th anniversary of the National Weather Service being in Tucson. Approximately 250 adults and children attended the event. It was the first time that SEACAMS held a booth-type table in such a big event. We showed the audiences the high-speed videos of lightning, as well as fulgurites found in the US. and Egypt. The newly-appointed officers successfully recruited new student members from the University of Arizona and regular members from some other local communities. The event was a great success and SEACAMS helped to make the 75th celebration wonderful! ■



NORTHWEST INDIANA

On October 10th, the Northwest Indiana Chapter of the American Meteorological Society and National Weather Association had the privilege of hosting a Fall Keynote Speaker, Dr. Mary Ann Cooper, MD. Dr. Cooper is an emergency medicine physician who is internationally known as an expert on lightning injuries and injury prevention. She was also the first physician to be awarded Fellowship by the American Meteorological Society for her dedication to Lightning Safety Week. Although she is retired from the University of Illinois at Chicago as a professor, she has been actively raising awareness of the danger of lightning and directs the African Centres for

Lightning and Electromagnets.

Dr. Cooper gave a fascinating presentation on her research about how lightning affects the human body, and how meteorology professionals can help promote lightning safety. There were over 30 members in attendance on that Saturday morning for her presentation, making this event one of the most well attended events at Valparaiso University for the day. ■



WEST CENTRAL FLORIDA

The West Central Florida Chapter of the American Meteorological Society (WCFLAMS) held October's meeting in Ruskin, FL at the National Weather Service office. Both chapter and community members were given an educational tour of the weather office and those who were not afraid of heights were invited to climb into the radar tower for an in-depth look at operations. Within the dome, visitors learned how radar works and how the office communicates the radar data. In addition to learning about radar and the weather office operations, a presentation was given by Robert Garcia, a meteorologist and member of the WCFLAMS, who discussed tornado outbreaks such as those on April 27, 2011. The talk was given from a meteorologist's perspective to allow visitors to understand what meteorologists do when severe weather is occurring. This

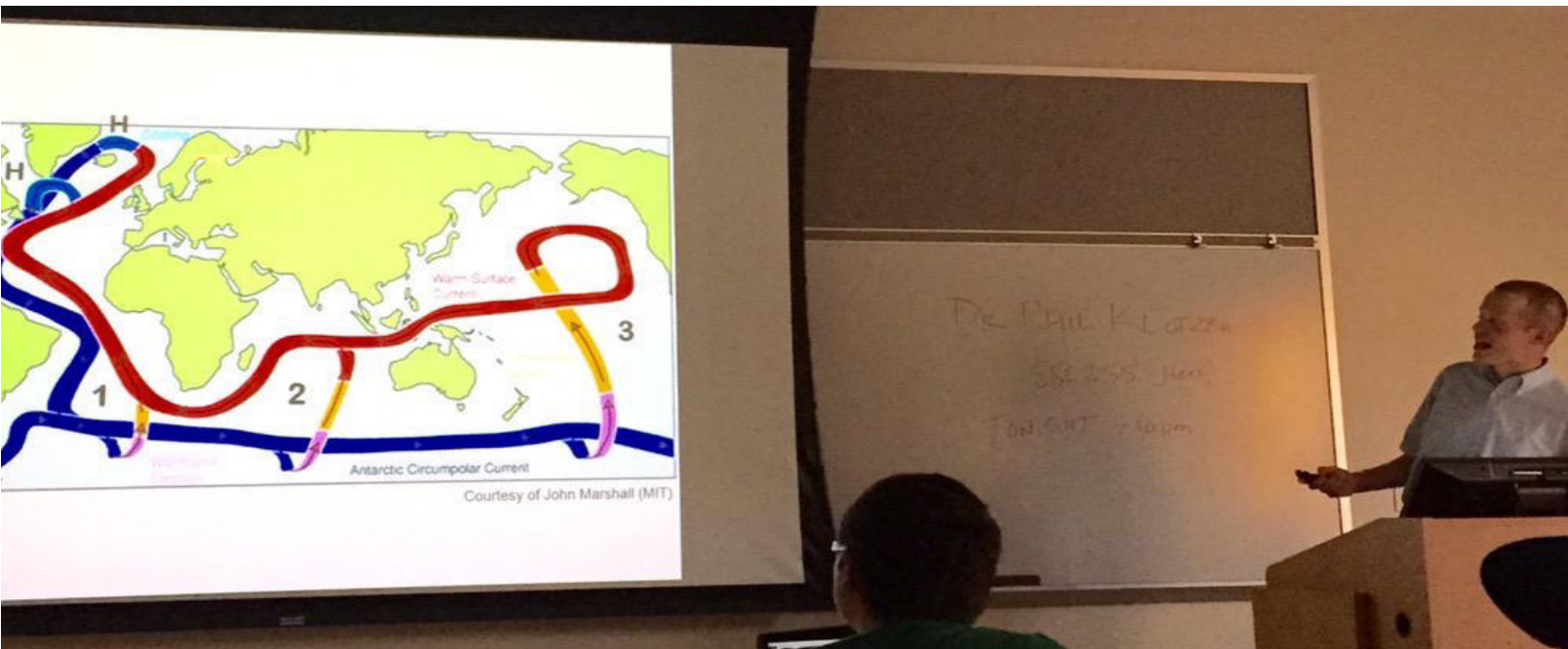
talk also focused on how these severe weather outbreaks will impact the future of radar. ■



SOUTHWEST PENNSYLVANIA

The students of the Southwest Pennsylvania chapter of the American Meteorological Society take pride in our Colloquia Series to bring in presenters from across the United States to the CalU community and displaying the different opportunities that await students post-graduation. Dr. Philip Klotzbach from Colorado State University, located in Fort Collins, Colorado, came to the university on October 8th, 2015 and gave a talk about the 2015 Atlantic hurricane season and what his thoughts were on the 2016 season. These points would be the main focus of his discussion, along some insight into climate change and if that had any effect on the past seasons. Our chapter finds it very fulfilling to bring in different professionals from a variety of fields to show students, especially in

meteorology, the many opportunities they have with their degree. Those in attendance become more informed of these opportunities and can make connections with those in their field of interest, whether it be earth sciences or another related field. Attendees also see that not all meteorologists are purely broadcast and that there are several areas of study and research. Our next scheduled speaker this semester is Janice Bytheway, a CalU alumna working toward her Doctorate degree from Colorado State University. These talks are open to the public, but if they are not able to attend, we stream these talks via the Periscope app. ■



The next newsletter will be published in early February. If your chapter would like to announce upcoming events or submit a write-up on a specific activity that was successful, please email Kelly Savoie (ksavoie@ametsoc.org) no later than January 15. To view prior newsletters, see <http://www.ametsoc.org/amschaps/newsletters.html>

NEWS FROM AMS HEADQUARTERS

AMS ANNUAL MEETING DEADLINE REMINDERS

Don't forget to register for the Chapter Officers' Breakfast at the Annual Meeting and to reserve poster space! Please email the following [reservation form](#) to Kelly Savoie (ksavoie@ametsoc.org) by November 20, 2015. For more details on the poster display and other Annual Meeting activities for chapters see <http://annual.ametsoc.org/2016/index.cfm/information-for/local-chapters/>. ■

HOLD THE TIME!

Are you interested in networking with professionals in the field of satellite meteorology? Did you attend the Satellite Meteorology Student Reception at last year's AMS Annual Meeting? Last year's inaugural student reception was a relaxed, evening event that provided a great opportunity for specialized satellite meteorological mentors (senior professionals) to network with energetic students who were preparing to enter the professional ranks.

This year, the second Satellite Meteorology Student Reception will be held during the 96th American Meteorological Society Annual Meeting at the New Orleans Convention Center on Monday, January 11, 2016 from 7:00-9:00PM located in the foyer space outside the rooms numbered in the 250s. Our planning committee is exploring 'speed networking', similar to 'speed dating', where the mentors (satellite meteorology professionals) will roam between tables at set intervals so that the students are introduced to a wide array of professions in the field of sat-

ellite meteorology. The speed networking will be followed by a social with light hors d'oeuvres which will be a great time for open networking. This will allow the students and the mentors of their selected discipline to have extended conversations after their speed-mentoring introductions.

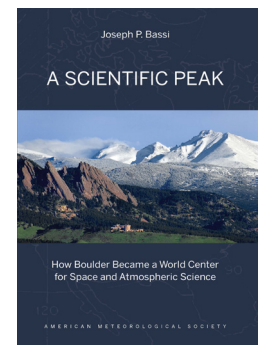
On behalf of the 12th Symposium on New Generation Operational Environmental Satellite Systems, the 4th Symposium on the Joint Center for Satellite Data Assimilation, and the 6th Conference on the Transition of Research to Operations, we invite all students with a strong interest in satellite meteorology or who are participating in these symposia (orally and/or poster) to join us!

Kathryn Miretzky
Member of the 12th Symposium on New Generation Operational Environmental Satellite Systems Planning Committee ■

NEW AMS BOOK RELEASE

[A Scientific Peak: How Boulder Became a World Center for Space and Atmospheric Science](#) by Joseph P. Bassi

Once a Wild West city tucked where the Rocky Mountains meet the Great Plains, Boulder is now home to some of the biggest names in science, including NCAR, NOAA, and the NIST. A Scientific Peak is a fascinating history that introduces us to a wide variety of characters, such as Walter Orr Roberts, and the serendipitous brew of politics, passion, and sheer luck that, during the post-WWII and Cold War eras, transformed this "scientific Siberia" into one of America's smartest cities. ■



JOIN AMS TODAY!

Being an AMS Member connects you to a vital community of professionals and students working in the fields of weather, water, and climate. It provides you with valuable access to meetings and other events, rewarding job and internship opportunities, journals and publications, and other important resources to enhance your networking and professional development.

Tell your fellow chapter members about the benefits of AMS membership! Learn more at <https://www2.ametsoc.org/ams/index.cfm/membership/join-ams/>. ■

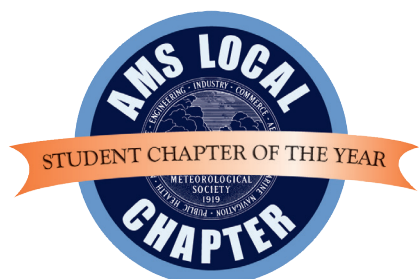
2014–2015 CHAPTER OF THE YEAR AWARDS ANNOUNCED!

We are happy to announce the Chapter of the Year Award winners for 2014–2015! Every year the Local Chapter Affairs Committee is tasked with choosing the winners for this award (both student and regular chapters) and as always the applicants were outstanding.



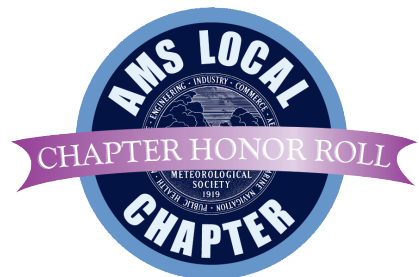
WEST CENTRAL FLORIDA

"For their commitment to membership, vast networking opportunities including a mentoring program and education workshops, community involvement, and initiative to become a Weather Ready Nation Ambassador."



OHIO UNIVERSITY

"For their dedication and commitment to community service including military care packages and hosting a meteorology symposium open to the public, continued support of StormFest, providing numerous mentorship and networking opportunities for members, and their Storm Ready University initiative."



Asheville
Iowa State University
Lyndon State College
Northwest Indiana
Southwest Pennsylvania

Thank you to all the chapters who submitted applications for the award! The nomination deadline for the 2015–2016 awards is May 1, 2016.

ONLINE TUTORS NEEDED FOR MIDDLE SCHOOL THROUGH COLLEGE LEVEL STUDENTS

MyTutorWorks (an online tutoring service offered by Mathworks Tutoring, LLC) is looking for college students with an interest (and skills) in tutoring math, language, science, SAT/ACT and other areas. The service will be available online nationwide using an interactive white board and camera-to-camera connectivity. Tutors will be able to define their subject areas of expertise and their available tutoring times. Tutors may work as much or as

little as they wish.

All tutors will be required to audition and pay for a background check. We pay well-above the industry average for the best tutors.

Interested? Please contact H. Michael Mogil – AMS CCM, CBM (239-591-2468) or use [this form](#) to contact us. ■

INTERNS NEEDED FOR WEATHER-RELATED RESEARCH, WRITING AND VIDEOGRAPHY

How The Weatherworks is looking for “remote,” unpaid interns (short-term and long-term) to help us in the following areas:

- Web site managers
- Tablet and phone applications developers
- Weather camp program supporters nationwide.
- Writing support (ghost writers, editors, researchers)
- Videography and PowerPoint creators
- Catalogers for updatable historical weather events climatology
- Meteorological (or related) research project leaders.

Although there is no monetary compensation offered, mentoring, job experiences, conference attendance opportunities, networking and other benefits accompany the experience.

Interested? Please contact H. Michael Mogil – AMS CCM, CBM (239-591-2468) or contact us via the AMS [Internships listings](#). We'll be happy to provide specifics and answer your questions. ■

NEW PICTURES WANTED FOR THE INTERNATIONAL CLOUD ATLAS

The World Meteorological Organization is calling for the submission of high quality photographs of clouds to feature as “reference images” in the next edition of the International Cloud Atlas.

The International Cloud Atlas dates back to the 19th century and was developed as a standardized reference document for operational observation systems, which underpin weather forecasts and longer-term climate predictions. It is an important training tool for meteorologists, as well as for those working in aviation and at sea.

The aim is to produce a user-friendly, digital-based product, which is an authoritative, comprehensive and up-to-date source of reference and is also interesting and

accessible to a wide audience. It will also include new types of clouds.

Professional meteorologists, weather observers and cloud photographers are encouraged to submit high-resolution color images of all types of clouds and meteors, along with accompanying information on where and when the photograph was taken and a description of the weather situation. Photos will be considered by a special international Task Team, which hopes to select the images by the end of this year, and conclude the revision of the Cloud Atlas during 2016.

To submit your image for possible inclusion, please visit the [WMO image submission site](#). ■

<p>Local Chapter Mission</p> <p>The AMS Local Chapter Affairs Committee serves as a link between local student and professional chapters and the national AMS. The committee exists in order to provide guidance and support in the mission of all local AMS chapters.</p>	<p>Committee Leadership</p> <p>Kristy Carter, Chair Elizabeth Smith, Chair-Elect Kelly Savoie, AMS Liaison</p> <p>AMS Headquarters 45 Beacon St. Boston, MA 02108</p>	<p>Follow Us on Facebook and Twitter</p> <p>@AMSLCAC</p>	<p>AMS Local Chapter Affairs</p> <p>This newsletter is constructed by members of the American Meteorological Society's Local Chapter Affairs Committee in conjunction with AMS Headquarters. The LCAC meets at every AMS Annual Meeting to help foster the growth of the local chapters. E-mail the committee at: amschaps@ametsoc.org</p>
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