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AMS Local Chapter Newsletter

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Blue Ridge

The Blue Ridge Chapter of AMS/NWA had two meetings for the remainder of the 2022-2023 school year. On March 29th, members of the club had the opportunity to participate in a professor led python workshop. They learned how to use Github to implement the JupyterHub program to use python. Essentially, members learned how to code a map of CAPE using python packages. This provided them with an introduction to how python and other coding programs can be used in meteorology.



On April 12th, members gathered for a presentation on a private sector company called, Weather or Not. Two employees, Casey Hockenbury and Sullivan Brown, presented their day to day shifts, how they forecast, who they forecast for, and what to expect when you graduate and are looking for a job in meteorology. This gave members insight to the private sector of meteorology and boosted their confidence for applying for internships/jobs in the future.

Lastly, as the spring semester turned to summer, the Blue Ridge Chapter now looks forward to new beginnings, new guest speakers, and new events for the fall of 2023.

Embry-Riddle Aeronautical University



Photo by Desiree Knight

Similar to a town that has just been hit by devastating weather, our chapter is rebuilding with the help of our community and taking it one day at a time. Over the past few years, we have taken several hits, from an international pandemic to multiple hurricanes that impacted our area. Nevertheless, our chapter continued but on a smaller scale. Now, it's time to rebuild our chapter to its former glory, whether it takes a few months or a couple of years. We still have hope, like most communities do after a storm, that their town, our chapter, will flourish again.

With rebuilding being our top focus this year, our executive board has been working around the clock this summer to prepare our chapter for the new generation of members. During our rebuilding process, we focus on three pillars: outreach, career development, and community, from planning NWS office trips to discussion panels with meteorologists from different fields and even planning socials for our members to bond. We have even started discussing plans for getting our chapter of the Chi Epsilon Pi Honors Society running again and setting up a mentor program for students.

We look onto the upcoming year with our heads held high ready to take on another storm with our members and with the help of the national and local community.

NVU - Lyndon/Vermont State University - Lyndon

The NVU - Lyndon Student Chapter is hard at work planning this upcoming year! Firstly, we are now the VTSU – Lyndon Student Chapter of the AMS/NWA. Despite

this name change nothing has changed in our day-to-day club operations. Our new executive board has begun planning out the 49th annual Northeastern Storm Conference in March 2024! This year's conference already promises to be as academically stimulating and socially enjoyable as last. We are also excited to welcome our incoming first year students and have continued the tradition of sending them letters of welcome. Our chapter cannot wait to welcome them in August with our first ever fireside General Board meeting, complete with s'mores! We are excited to try this and other new events to garner interest from non-Atmospheric Sciences majors and continue to grow on our campus!

West Central Florida



Balloon Launch at NWS Tampa Bay

On Wednesday, June 7th, the West Central Florida chapter of the AMS were joined by the NSF-funded Weather, Climate, and Society Research Experience for Undergraduate (REU) program which was hosted at the University of South Florida. Together, they were given a tour of the Tampa Bay NWS office and facility. The event began with the students completing the NWS Skywarn training course. Afterwards, everyone was shown how the office handles the day-to-day operations

and the different systems and jobs that went into it. We were able to be a part of a weather balloon launch that occurs twice daily, along with being shown what a radiosonde is, how it works, and how it's attached to the balloon and launched. After waiting for the balloon to reach a certain altitude in the atmosphere, we watched as data from the radiosonde were sent back to the station in real time and portrayed as a Skew-T diagram. It was an informative and overall very fun experience; being able to see all of the things going on "in the background" when it comes to building a weather forecast was definitely impressive and gave a lot of us a new appreciation for the work that professional meteorologists do.

Announcements

Recent Podcast Release



In our July episode of Clear Skies Ahead, AMS talked to Kelly Núñez Ocasio about the excitement of aircraft missions studying African easterly waves, the challenge of effectively communicating your science, and being strategic about pursuing opportunities in the weather, water, and climate sciences. Subscribe to Clear Skies Ahead »

Upcoming Webinar



An Overview of the CCM Application Process
16 August 2023 at 12:00PM Eastern Time
Curious about the process behind becoming an AMS Certified Consulting Meteorologist (CCM)? Join CCM Board Members Kaj O'Mara, Mallory Brooke Cash, and Morgan Yarker for a webinar walkthrough of the application process and discussion about some of the steps you'll encounter along your journey. Register here.

August Short Courses
Looking for professional development opportunities? Registration is now open for two hybrid courses to be held at the 40th Conference on Radar Meteorology and online on August 27th from 8:00 AM–3:45 PM CT:

- Under the Hood - How Signal Processing in the WSR-88D Provides the Best Quality Data
- Open Radar

New AMS Certification Coming Soon!
AMS is excited to announce that a new certification will be launching by the end of 2023! The Certified Digital Meteorologist (CDM) designation will be granted to meteorologists who meet established criteria for scientific competence and effective communication skills in their weather presentations on all forms of digital platforms. Meteorologists who qualify for a CDM include those who produce graphical information, produce content in a digital format, and/or provide independent consultation on a digital format such as a private website or social media.

Eligibility requirements include a degree in meteorology or the equivalent. Candidates must pass a closed book meteorology exam and have samples of their

work evaluated by the Board of Certified Digital Meteorologists. Current Certified Broadcast Meteorologists (CBMs) will be exempt from the written examination process as it is the same exam that is required to earn the CBM, but must apply and submit samples of their work.

AMS Culture Survey and Equity Assessment

Have you heard about the AMS Culture Survey and Equity Assessment? We are conducting a data-driven review of how we are doing on our equity, inclusion, and justice work. As a part of the AMS community, you are invited to take the survey - whether you pay AMS dues or not. Help us create a more welcoming and inclusive AMS by participating in the Culture Survey when it opens on September 6th. We want to hear from you!

If you want to learn more, please check out our article in the August BAMS or join our webinar: Creating Cultural Change through Data: The AMS Equity Assessment, on August 31st at 12 pm ET.

Upcoming Meetings

Annual Meeting Student Opportunities Coming Soon!

Student Assistants Program

Student Assistants work closely with AMS staff to help execute a successful annual meeting, with opportunities to make professional connections and learn about cutting-edge research in atmospheric, hydrologic, and oceanic sciences. Building on new feedback from previous years, we have created a well-rounded 2024 program that offers a more satisfying learning and professional experience. Applicants must be current AMS student members. Being a student assistant is a demanding job, but it is fun and educational too!

Student Travel Grants Program

To encourage interactions among students, their peers, and professionals in the field, AMS offers Annual Meeting Student Travel Grants - an outstanding opportunity for students interested in attending the world's largest yearly gathering for the weather, water, and climate community.

Additional Information and applications for both programs can be found here. Applications open 11 August 2023.

40th Conference on Radar Meteorology
Dates: 27 August–01 September 2023
Location: Minneapolis, MN

2023 Summer Community Meeting
Dates: 29-30 August 2023
Location: Minneapolis, MN

104th Annual Meeting
Dates: 28 January–1 February 2024
Location: Baltimore, MD

36th Conference on Hurricanes and Tropical Meteorology
Dates: 6-10 May 2024
Location: Long Beach, CA

21st Conference on Mountain Meteorology
Dates: 22-26 July 2024
Location: Boise, Idaho

Other News in Meetings

Save the date for the **104th Annual Meeting**, 28 January–1 February 2024, Baltimore, MD. Abstract submission portal open mid-June to 24 August.

Check out our **upcoming meetings this summer**! Abstract submissions and Registration are open for several of these meetings. Submit your abstract now! There are also many great student volunteer, funding, and award opportunities available. These can be found in each individual meeting web page under the student opportunities tab.

Annual Meeting **Student Travel Grants** and **Student Assistant Opportunities**. Keep an eye out for applications opening soon!

Student Travel Grants are also available for many of these meetings. Check them out and apply by the deadline.

View **recordings from past meetings** for free!

Upcoming Events

Trivia Night

Our first-ever Weather Band Trivia Night is happening on Thursday, 28 September! This is your chance to put your meteorological knowledge to the test, showcase your expertise, and have a blast with fellow weather enthusiasts. Not only will you learn something new, but you'll also compete for cool prizes. Don't miss out on this thrilling opportunity to challenge yourself and win big!

AMS Weather Band Webinars

Towards the "Perfect" Weather Warning

With extreme weather occurring more frequently, warnings are the most effective way to save lives and reduce disruption. Creating effective warnings is high-stakes work. When your life is at risk, you need to receive the warning in time to act, it has to tell you what to do and why, and you need to understand it, regardless of your culture and language. In this webinar, Brian Golding will describe what the World Meteorological Organization's High Impact Weather project (HIWeather) has learned about delivering more effective warnings.

Nearing the Peak: September Expectations for the Hurricane Season

September is historically the busiest month for hurricanes across the tropical Atlantic. After several years of devastating hurricane landfalls along the Gulf Coast, what can we expect for the rest of this season? Dr. Ryan Truchelut with WeatherTiger will dive into the factors of El Niño and record-warm Atlantic sea surface temperatures to see how these will affect the coming months. Join us as we near the peak across the tropical Atlantic!

The 1938 Long Island/New England Hurricane - A Retrospective

The 1938 Hurricane - September 21, 1938 - impacted Long Island and New England with devastating winds, deadly storm surge, and significant freshwater flooding. Over 685 lives were lost and it took months to recover despite hundreds of Depression era workers being sent to help. Such major tropical weather events are rare in the Northeast but the region can perhaps expect such an event every 150 years. All aspects of the storm will be discussed in addition to review of the forecast for the event and how current forecast capabilities might prevent such loss of life.



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