Volume 13 - Issue 2 - May 2023

AMS Local Chapter Newsletter

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Iowa State University



The Student Chapter of the American Meteorological Society at Iowa State University knows how to be professional, but also knows how to have fun! This February, ISU AMS spent an evening with great food followed by ice skating in downtown Des Moines, Iowa.



At Iowa State University, our Student Chapter of the AMS members get together twice a year for trivia at Ames' own West Towne Pub. Trivia offers a good escape from the normal business of the semester and encourages bonding among under- and upperclassmen. The group, Weather Nerds, didn't win, but sure did have a good time!



Members of ISU AMS are all about severe weather safety! Annually, during national Severe Weather Awareness Week, ISU AMS hosts a Storm Chase Simulation. Students assemble in a computer lab, associate in groups, and embark on a virtual storm chase using a program developed by one of our program's own alums. This event reinforces techniques of safe storm chasing with historic radar case studies!

Los Angeles

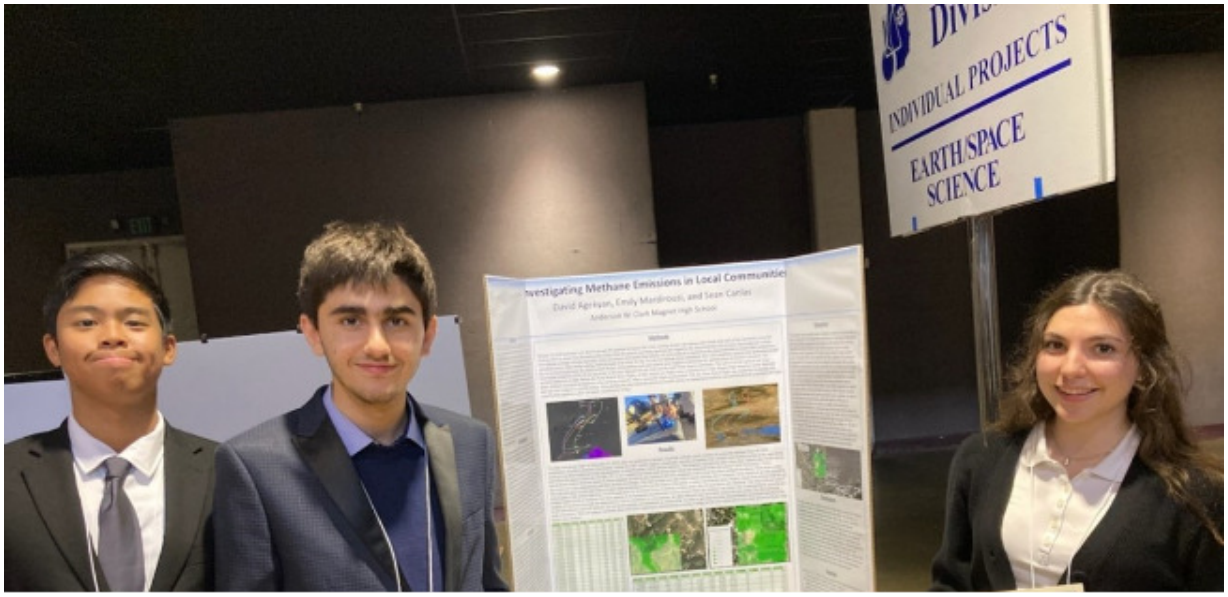
The LA Chapter again (going on 3 decades) supported the 73nd Annual LA County Science & Engineering Fair in the Special Awards category. Unlike the previous two years, the 2023 Los Angeles County Science and Engineering Fair, held March 12th through 13,th was conducted in-person. Over 350 projects were submitted in the Junior and Senior Divisions. Two members of our chapter judged the best “weather-related” projects in the Junior and Senior divisions (Middle and High Schools). After lots of deliberation, they decided to award the top prizes (1-year subscription to Weatherwise and membership to the Chapter) and two honorable mentions.

The first top prize went to David Agekyan, Emily Mardirousi, and Sean Canlas Anderson from Clark Magnet High School for their project, "Investigating Methane Emissions in Local Communities." The judges were impressed with Allison’s experimental design, measuring methane using drones with attached cubesat methane detector. Their measurements showed that there were still methane leaks in the Aliso Canyon gas field near Porter Ranch and their school. Maps showed the extent of methane leaks using GIS.

The second top prize was awarded Erica Ro, Palos Verdes Peninsula High School, for her project, "Measuring the Effectiveness of Thermochromic Roofs for Urban Heat Island Mitigation” Erica used thermistors and infrared thermometers to measure temperatures on roofs and inside model houses for different roof colors. She noted that the urban heat island of cities could be reduced simply by using more reflective roof designs.

The two honorable mention certificates went to Kc Pagaduan, 8th grader from Ross Academy of Creative and Media Arts Middle School for her project, “Tornado In a Box.” She used different temperatures of water and ice to produce steam and an overhead fan in her tornado model to see how changes affected the appearance of the funnel cloud. The other honorable mention went to Maximus Piersol from Hale Charter Academy STEAM Magnet GradeThe 7th grader’s project: What is the Effect of Weather On The Stall Point of a Wing. Maximus tested different temperatures and humidities in a homemade wind tunnel to measure lift of his model airplane wing.

Judging projects this year were chapter members Scott Moore and Steve LaDochy.



David, Emily and Sean display their winning project on monitoring methane using drones.



Erica Rho explains her project on mitigating the urban heat island with reflective roofs.

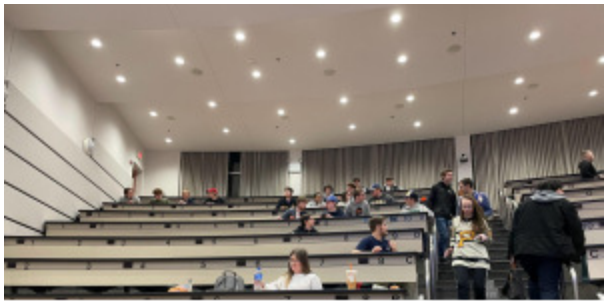
Millersville University



Millersville students at the alumni banquet in Denver, Colorado.

Returning after winter break was an exciting time for our local AMS chapter. Students who were away for the holidays reunited, and those of us who attended the National AMS Conference in Denver, Colorado this year were able to share our experiences with the fellow students. Millersville had a large group of both juniors

and seniors attend the student conference as well as the national conference. Along with many networking opportunities with professionals within the sessions, our students were able to participate in a Millersville University Alumni Banquet where we met and learned from those who have graduated and made it into the workforce. Many of our students were able to participate in the student assistance program for the conference, which served as a way to both help out AMS Staff to make this conference a success and meet many different professionals in the areas of study that interested them the most. We would like to thank AMS for this amazing opportunity, and can't wait to return to the annual conference in 2024!



AMS and IAEM students gather for a joint bingo night.

Our AMS chapter had the opportunity this February to meet with our local IAEM chapter and have a bingo night! This was a fun way to meet our peers studying Emergency Management. There was a great turnout, and all groups had a great time both competing in bingo and making new connections.

Coming up this April, Millersville AMS will be hosting our annual Public Weather Awareness Day. This event brings together researchers, companies, and students who are interested in teaching the public about all things weather. We have found that this event is a great way to involve the community in an interest and care for the weather that affects us.

NVU - Lyndon

The NVU-Lyndon Student Chapter is excited that our 48th annual Northeastern Storm conference is less than one month away! We are hard at work getting ready for this year's conference. The last day to submit abstracts is February 17. We will be hosting NESC at the DoubleTree in Burlington, Vermont on March 10-12 this year. Additionally, we have been working out events and outreach at our campus. We continue to host our

monthly speaker series where alumni speak to our members about a variety of topics in the field of Atmospheric Sciences. We also participated in our school's yearly outreach day, Lyndon day. This was a great chance to get out and have non-Atmospheric Science major students learn about the club. We hope to continue to grow our chapter and help foster an interest in weather across our campus.

Northwest Indiana

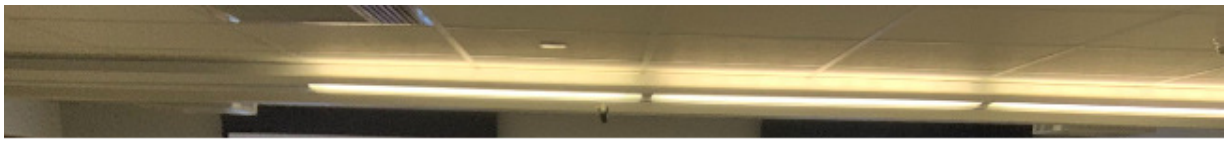


Recently, our vice president, Noah Lang, and I, Skylar Gertonson, attended the Annual AMS Meeting and Student Conference in Denver. There, we attended the Local Chapter Breakfast and contributed a Chapter Poster, which we themed after the Wii. Our chapter also recently visited the NWS Chicago office! We will be planning another visit for March 25th. Looking forward, we are planning our annual Great Lakes Meteorology Conference (GLMC), which will be happening on April 22nd. Our theme for this year's GLMC is "Exploring Earth".



We had a great experience at these events [AMS Student Conference or Annual Meeting]! Noah and I both presented our summer research, and many of our Chapter members were able to attend/present as well. We were also excited to meet other chapters within our region and look forward to the ways in which we can collaborate with other chapters in the future!

SUNY Oswego



The spring semester with the Oswego State Student Chapter of the AMS/NWA (OSSCAMS) has gotten off to a fantastic start! We have been lucky to host several

guest speakers. First, Bob Henson, a climate change communication expert, as well as Matt Kelsch, a hydrometeorologist and graduate of the SUNY Oswego Meteorology program, visited our campus. They spoke with us about the variety of ways a meteorology degree can be applied. Erik Heden from the National Weather Service (NWS) at Newport/Morehead City, NC joined our group remotely and gave an inside look at the daily work life as a NWS Meteorologist.



On February 18th, in conjunction with SUNY Oswego's "Celebrate SNOW" event at the Rice Creek Field Station, several OSSCAMS members dedicated their time to the community. They provided fun facts and answered questions about all things related to snow. This event was especially geared toward younger children and getting them excited about the outdoors. We were very grateful to have participated for the second year in a row!

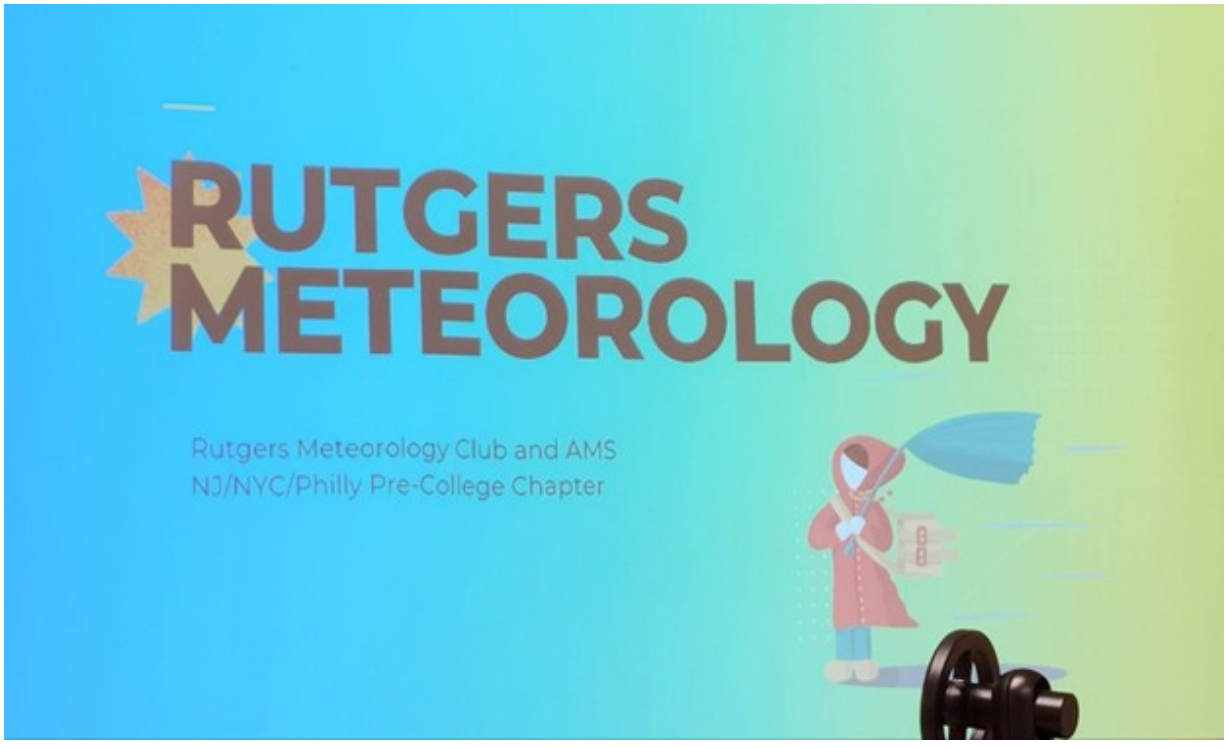


OSSCAMS also was lucky enough to fund just over 25 members to attend the Northeastern Storm Conference in Burlington, VT. Kaitlyn Jesmonth, Dan Hummel, Shaun Laurinaitis, Garrett Statum, Erik Knudsen, Sarah Gryskewicz, and Ezekiel Caldon all presented their research. On the way up to Vermont, Weather Routing Inc. (WRI) graciously gave us a tour of their office in Glens Falls, NY. OSSCAMS would like to give a big thanks to WRI for hosting us.



We wish everyone a great end to the semester and especially send good luck to our seniors as they determine their future plans.

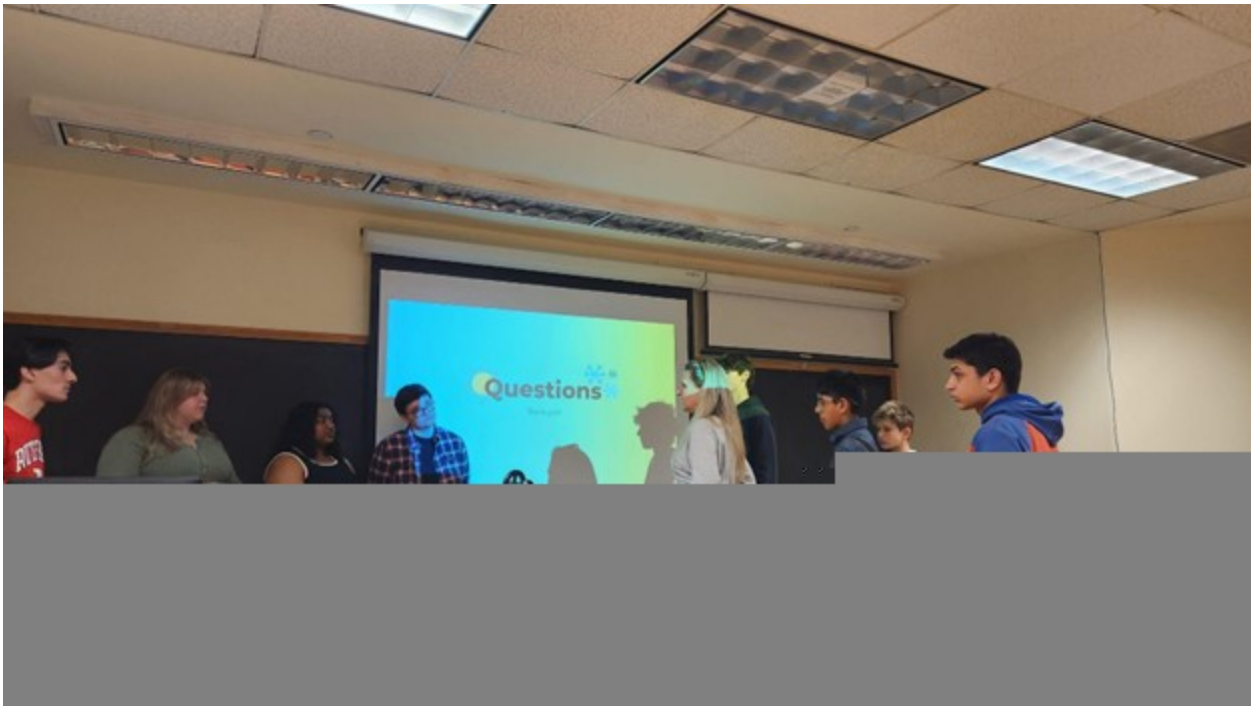
Greater NYC/NJ/Philly



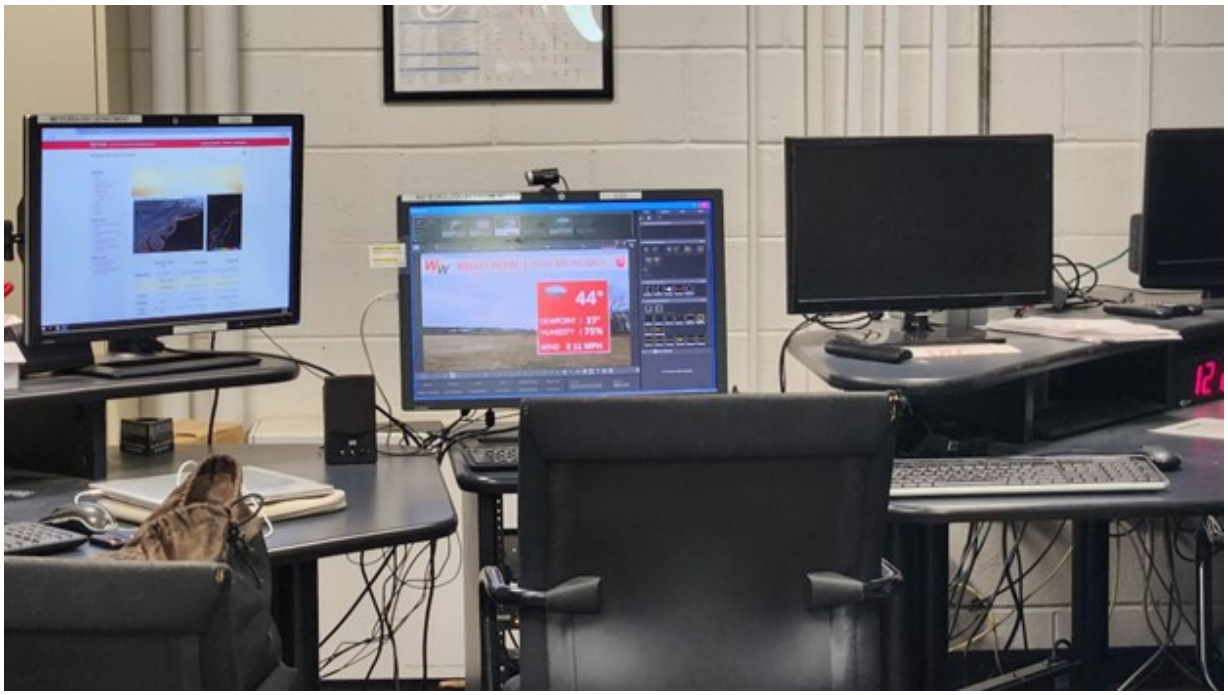
Towards the end of March, the Greater NYC/NJ/Philly AMS Pre-College Chapter organized a visit to the Rutgers University AMS Club. Several members of the pre-

college chapter participated in this very information filled visit.

We all made our way to the Rutgers University Cook Douglas Campus where the chapter members were greeted by the President of the club, Ms. Meghan Anderson. Meghan, Matthew, Andrea and Tom shared detailed information about the Rutgers University Undergraduate degree program in Meteorology. They also explained how the AMS club operates and the different opportunities that are presented to the students enrolled in the meteorology degree program. We concluded the morning with a very lively Q&A session. We learnt interesting aspects about the field of meteorology and how it is evolving. Matthew, who is a double major student in Computer Science and Meteorology, will use the field of Artificial Intelligence in weather forecasting. Andrea is researching the field of weather warfare - weather modifications in a military setting!







WeatherWatcher Studio

The afternoon session was quite exciting at the RU WeatherWatcher Studio run by the club where the students produce daily weather forecasts. The WeatherWatcher broadcast meteorology thematic community facilitates RU students to get first-hand experience in a proper broadcast setting. The peer mentor program allows the freshman students to get accustomed to the equipment and helps them blend into the WeatherWatcher community. The studio is filled with high technology equipment and solely run by the students of RU. The daily weather forecast gets produced in this studio. Weather graphics are created using the WSI system.



Rutgers Weather Station

The concluding portion of the visit was a trip to the Rutgers Weather Station. It has been operating since the 1900s ! Weather data is collected everyday at 8 a.m. from the weather observation area in the Rutgers Gardens. We were shown the various types of instruments used for data collection - rain gauge, evaporation measurement atmometer, temperature gauges, solar radiance measurement tool etc.. The data collected is made available at https://wx.rutgers.edu.



It was definitely a Sunday that was extremely informative, productive and helped us understand various facets of the field of meteorology.

Announcements

Student Travel Grant Program

Attention senior undergraduate and graduate students! The AMS still has two conferences left in their Student Travel Grant Program. Don't miss out on the opportunity to apply and potentially attend for free! Act fast and submit your application today.

Available Conferences

32nd WAF/28th NWP/20th Mesoscale Processes
July 17 - July 21
Madison, WI

40th Conference on Radar Meteorology
August 28 - September 1
Minneapolis, MN

Father James B. Macelwane Program

Attention undergraduate students! If you've completed a research paper within the weather, water, or climate sciences during your undergraduate studies, you may be interested in the Father James B. Macelwane program. Check out the eligibility requirements and program details to see if you qualify. You could potentially receive a $1,000 award for your research paper!

Upcoming Meetings

35th Conference on Agricultural and Forest Meteorology/14th Fire and Forest Meteorology Symposium/Sixth Conference on Biogeosciences

Dates: 01-04 May 2023
Location: Minneapolis, MN

50th Conference on Broadcast Meteorology

Dates: 21-23 June 2023
Location: Phoenix, AZ

32nd Conference on Weather Analysis and Forecasting (WAF)/28th Conference on Numerical Weather Prediction (NWP)/20th Conference on Mesoscale Processes

Dates: 17-21 July 2023
Location: Madison, WI

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

Other News in Meetings

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

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 webpage under the student opportunities tab.

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!





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