

# January 2021



Congratulations to all of the AMS Local Chapters on their outstanding poster submissions!

The Local Chapter Affairs Committee chose the following posters as the award winners at the AMS Annual Meeting, which was held virtually.

*Regular Chapters*

1. FORTCAST (Fort Collins, CO)
2. Metro Atlanta
3. North Florida

*Student Chapters*

1. University of Puerto Rico, Mayaguez
2. University of Oklahoma
3. Iowa State University

The winning posters are presented first, with the rest following in alphabetical order



# FORT Collins Atmospheric Scientists

## Northern Colorado Local Chapter of the AMS



### Getting to Know FORTCAST

- FORT Collins Atmospheric Scientists (FORTCAST) was founded in 2012 by graduate students at Colorado State University (CSU)
- Membership is comprised of meteorologists, atmospheric scientists, and weather enthusiasts throughout northern Colorado
- Members represent public, private, and academic sectors

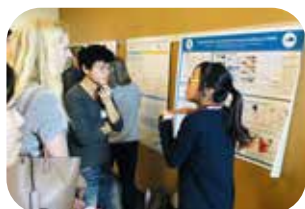
### Educating our Community

- **What's Brewing in Weather and Science** monthly talks to enhance public knowledge
- Maintains and operates **weather stations** across northern Colorado
- Assists with weather balloon launches



### Enriching Student Members

- Networking Events
- Weather Discussions



- Sponsors the Young Scientist Symposium on Atmospheric Research (YSSAR) for young scientists along the Colorado and Wyoming Front Range. **2019 marked our 9<sup>th</sup> YSSAR!**

**FORTCAST seeks to promote and advance the atmospheric sciences through educational outreach and public service in Northern Colorado.**

### Guiding and Mentoring the Next Generation of Scientists

During the year, FORTCAST participates in a variety of K-12 educational activities.

- **Little Shop of Physics:** In February 2020, FORTCAST participated in the largest science outreach event at CSU by providing hands-on science activities for students



- **K-12 school programs:**
  - In March 2020, members visited Loveland High School for two days to give weather and climate presentations to several classes
  - In November 2020, members virtually gave a presentation to students of Falcon AeroLab NOCO on aviation weather



- **Helping students prepare for college:** Assist with CSU Atmospheric Science department tours and student shadowing



### Social Activities

- **CSU Bowling:** Event to welcome new students to CSU



- **FORTCAST Movie Night:** *Before the Flood*



### Supporting Northern Colorado

- In October 2020, led collection efforts for the Atmospheric Science department for CSU's Annual Cans Around the Oval Event, which benefits the Food Bank of Larimer County



- With the rest of the College of Engineering, we collected **173 pounds** of food and raised **\$2,460**, which provided **4,920** meals!

### Connect with FORTCAST



<https://www.facebook.com/FORTCASTAMS>



@FORTCAST

[fortcast.atmos.colostate.edu](http://fortcast.atmos.colostate.edu)



Regular Chapter







# UNIVERSITY OF PUERTO RICO AT MAYAGÜEZ

## AMS STUDENT CHAPTER



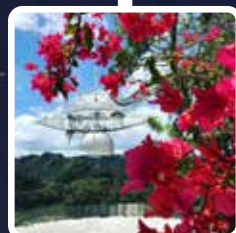
AO visit of SMPR Chapter



SMPR Member giving a demonstration at the AO



Arecibo Observatory



### INTRODUCTION

"The Arecibo Observatory (AO) has collapsed" were the words that on December 1, 2020, took the breath away of all Puerto Ricans. This scientific heritage served to explore the science of other planets, and principally as a source of knowledge. For this reason, the Student Local Chapter of Puerto Rico has joined year after year to collaborate with this important radio telescope, in order to unite the sciences of meteorology, physics, geology, engineering, and astronomy; all in the same place.

2020 Demonstration Committee

How convection in the atmosphere works



How Earth's Atmospheric Layers work



How tornadoes are formed



High and low pressures with Bernoulli



[www.sometpr.com](http://www.sometpr.com)



Sociedad Meteorológica de Puerto Rico/AMS UPRM Student Chapter



[ams\\_uprm](https://www.instagram.com/ams_uprm)



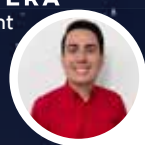
[ams\\_uprm](https://twitter.com/ams_uprm)



[uprm.ams@gmail.com](mailto:uprm.ams@gmail.com)

#SAVEAO

JANLUIS RIVERA  
Vice President



YAMILEX ORTIZ  
Historian



NIWDÉ RIVERA  
President



ZAIBETH CARLO  
Juracán Journal Editor



JUAN FONTÁNEZ  
Webmaster



GABRIELA FIGUEROA  
Treasurer



JOHN PÉREZ  
Secretary



"BECAUSE  
OUR GOAL  
FOR THE AO  
IS NOT TO  
EXPECT  
PROGRESS,  
BUT TO BE  
PART OF IT."

### 2020 ACTIVITIES

As part of the activities of the chapter, the women celebrated the International Women's Day showing support to those that keep breaking the stereotypes. The student meeting served as an outlet for many of the active members allowing an interaction between the new and old members. On the other hand, the Weather Briefings Committee remained active, making podcasts and radio recordings for the general and scientific community. It even collaborated to provide a nationwide podcast on air quality. No earthquake or hurricane was able to stop this team, as it worked hard to maintain its commitment to the citizens of Puerto Rico. In short, the expectation of keeping the future professionals informed about the opportunities they have in the field of Meteorology was fulfilled.

International Women's Day celebration



UPRM Open House



AMS 2020 Annual Meeting



### FUTURE WORK

The UPRM AMS Student Chapter has as a goal during the next few months to offer workshops to members on topics such as: how to prepare for atmospheric events, climatology, microclimates, geology, among others. We also will continue to support communities and bring them information on a weekly basis on a diversity of topics, for example: how to stay prepared for an earthquake. In addition, we want to encourage the importance of the Arecibo Observatory and join the immense support needed in the scientific community for the reconstruction of this Puerto Rican treasure.

Student Chapter Meeting



"How to Communicate Science Discussion" with Karuska Matos



"Learning about Meteorology Discussion" with John Morales



Meeting with the Center for Student Meteorology in Perú

Student Chapter







# Metro Atlanta Chapter AMS/NWA



## Chapter Goals

- Strengthen and reinforce a community of meteorologists throughout the Atlanta community.
- Increase involvement in meteorology in the local community by engaging the interests of people from many diverse backgrounds.
- Improve cooperation between agencies and promote the sharing of different perspectives and ideas.
- Raise awareness of local weather and climate concerns through social media.

## 2020 Officer Team



Pictured (L-R):  
 Sid King  
 (President), Steve  
 Gregg (President-  
 Elect), Brad Rubin  
 (Secretary), Sara  
 Tonks (Treasurer)



[tinyurl.com/MetroATL-AMS-NWA](https://tinyurl.com/MetroATL-AMS-NWA)



[facebook.com/AMSnwaATL](https://facebook.com/AMSnwaATL)



[@MetroAtlantaAMS](https://twitter.com/MetroAtlantaAMS)

## Previous Meetings



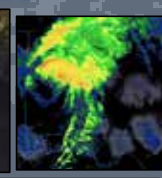
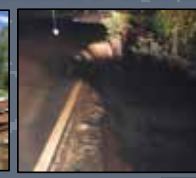
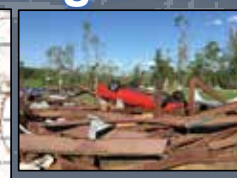
Guest lecture from Weather Channel meteorologists (top) and Tours of Delta Operations Center and NWS Atlanta (bottom).



Tour of the CNN Center (top), End of the Year Banquets (bottom)



## Georgia Weather 2020



Active severe and tropical seasons – Easter Sunday tornado outbreak (left) and impacts from Sally, Delta, and Zeta (right).



## 2020 Webinar Series



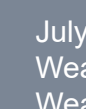
June 17<sup>th</sup> – Nikki Hathaway – Introduction to Hurricane Hunting



June 22<sup>nd</sup> – Jared Rennie – Asheville, NC: Climate City



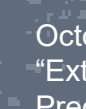
July 9<sup>th</sup> – Logan Poole – Easter 2020 Tornado Outbreak and Insight into Storm Damage Surveys



July 15<sup>th</sup> – Sid King – Inside the National Weather Service and High-Impact Georgia Weather



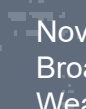
July 21<sup>st</sup> – Adam Baker – Operational Meteorology: Some Typical and Non-Typical Experiences



October 20<sup>th</sup> – Dr. Victor Gensini – “Extended Range Severe Weather Prediction”



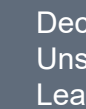
November 9<sup>th</sup> – Dr. Zachary Handlos – “The Composite Life Cycle of West Pacific Vertical Jet Superposition Events and their Associated Large-Scale Environments”



November 17<sup>th</sup> – Katie Martin – “From Broadcast Meteorology to the National Weather Service”



November 24<sup>th</sup> – Dr. John Knox – “Making Wet-Bulb Temperature and Wedges Easier”



December 3<sup>rd</sup> – Dr. DaNa Carlis – “An Unscripted Journey: Science, Policy, and Leadership”



December 8<sup>th</sup> – Brian McCallum – “Introducing the New USGS National Water Dashboard”

All Recorded Presentations:

[tinyurl.com/MetroATL-AMS-NWA](https://tinyurl.com/MetroATL-AMS-NWA)

Regular Chapter







# University of Oklahoma

## Student Chapter of the AMS & NWA



OUSC\_AMSNWA



OU\_SCAN



OU SCAN



UOKSCAN

## LOCAL COMMUNITY

### SERVICE EVENTS

Each year, members volunteer at the National Weather Festival which is an annual event that garners over 4,000 visitors every year. Our members volunteer at the University of Oklahoma's Big Event which is the University's annual day of service.



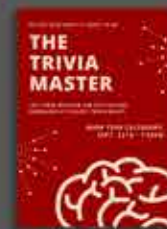
### WEATHER FRIENDS

The Weather Friends are composed of 15 different weather-themed superheroes here to help citizens prepare for dangerous weather! They attend local weather awareness and classroom events such as the Penn Square Mall Severe Weather Awareness Expo. They focus on teaching children the dangers of severe weather. Due to COVID-19, they prepared educational weather-related arts & crafts videos shown during the 2020 National Weather Festival.



### SOCIAL EVENTS

Normally, OU SCAN hosts a variety of social events during the semester, such as howling and football watch parties to bring members together. However, due to the COVID-19 pandemic, all events have been moved online and included events such as weather-themed trivia and game nights!



## ABOUT US

The University of Oklahoma's Student Chapter of the American Meteorological Society and National Weather Association (OU SCAN), is an independent, student-run organization founded with the purpose of providing educational, professional, social, and service opportunities for University of Oklahoma students interested in meteorology. Additionally, OU SCAN aims to enhance community awareness regarding weather safety.



Members: 85



## NATIONAL COMMUNITY

### HURRICANE RELIEF FUNDRAISER

OU SCAN partnered with two student organizations, the Oklahoma Weather Lab and the Student Affairs Committee, to host a GoFundMe for the St. Bernard Project, which is a local organization in Southwest Louisiana, who provides hurricane relief assistance to communities. For a set donation amount, professors performed a "Tik Tok" dance and posted it to social media. We raised \$1,200 for communities devastated by Hurricane Laura.



### JOINT SOCIAL EVENT

OU SCAN and the Iowa State University chapter partnered together to host a social event in October, which included various icebreaker questions in Zoom Breakout Rooms.



### ACCOLADES



OU SCAN won the AMS Student Chapter of the Year and the NWA Student Chapter of the Year for the 2019-2020 school year.

## RESPONSE TO COVID

*We are in this together, even though we are six feet apart.*

Due to COVID-19 and the possibility of our members being located around the country, we moved the entire year to an online format and reduced dues from \$25 per year to \$5 for the school year. Also, we have expanded our yearly service act to include FEMA individual courses. In addition to this, we aim to bring in high-profile speakers from around the country, as well as provide online social events so our members can continue to meet each other, while staying safe and socially distant. We are also participating in joint social events with other chapters.



## SEMESTER EVENTS

Severe Weather Research & PhD Journey with Dr. Elizabeth Smith

Weather & Pop Culture Kahoot Trivia Night

Broadcast Meteorology & Station Tour with Bill Walsh

OU & ISU Joint Social Event

Diversity in STEM & Importance of Weather Data Access with Aisha Owusu

Virtual Game Night with Student Affairs Committee



Mute



Video



14 Participants



Chat



Share Screen



Record



Breakout Rooms

End Meeting

Student Chapter

2nd



# NORTH FLORIDA CHAPTER OF THE AMERICAN METEOROLOGICAL SOCIETY



THE NORTH FLORIDA CHAPTER WAS FOUNDED IN 2002, AND IS NOW A FIVE-TIME AMS LOCAL CHAPTER OF THE YEAR. IN ADDITION TO OUR MISSION STATEMENTS BELOW WE CONTINUOUSLY WORK ON HAVING OUR MEMBERS NEEDS MET AND KEEPING THE ORGANIZATION SOMETHING WE ARE PROUD TO CALL OUR OWN.

## OUR MEETINGS



SPEAKER, ASTRO NICK UNDERWOOD, EXPLAINING HIS WORK AS A HURRICANE HUNTER TO OUR MEMBERS OVER ZOOM



## OUR MISSION

"THE NORTH FLORIDA CHAPTER SHALL FOSTER THE GROWTH OF OPERATIONAL METEOROLOGY IN NORTH FLORIDA, SOUTH GEORGIA, AND SOUTHEAST ALABAMA BY PROVIDING THE COMMUNITY WITH A SOCIAL AND SCIENTIFIC POINT OF CONTACT FOR METEOROLOGICAL, HYDROLOGICAL, AND OTHER RELATED SCIENTIFIC INTERESTS."

"THE NORTH FLORIDA CHAPTER SHALL ENCOURAGE COLLABORATIVE RESEARCH AMONG ITS MEMBERS AND SHALL ENGAGE IN CONTINUING EDUCATION ON THE LATEST DEVELOPMENTS IN THE VARIOUS BRANCHES OF ATMOSPHERIC SCIENCE."

## OUR OFFICERS



FROM LEFT,  
TREASURER: JESSICA KIRK  
PRESIDENT: LORENZ TORRES-LESCHNIK  
VICE PRESIDENT: OLIVIA GRAFF  
SECRETARY: LAURA HELOCK  
SCIENCE AND OUTREACH COORDINATOR: JORDAN TWEEDIE

## OUR EVENTS



WE HELD A RAFFLE TO RAISE FUNDS FOR HURRICANE RELIEF, GIVING AWAY ITEMS SUCH AS THIS TOTE

MEMBERS CLEANING UP THE SHORES OF LAKE HENRIETTA



CASCADES PARK, THE SIGHT OF OUR AMS PICNIC

THERE WERE MANY GAME NIGHTS TO GROW THE CHAPTER'S SOCIAL CONNECTIONS, INCLUDING PLAYING "AMONG US"



## OUR GOALS

- EXPAND VARIETY OF EVENTS AND IMPACT OF OUR OUTREACH
- GROW MEANINGFUL CONNECTIONS BETWEEN OUR MEMBERS
- INTRODUCE MEMBERS TO A BROADER VARIETY OF OPPORTUNITIES/ WORK ENVIRONMENTS IN THE FIELD
- HAVE FUN WHILE DOING IT ALL

## OUR CHAPTER TRIP



EVERYONE ATOP THE TRAIL LEADING OUT OF FLORIDA CAVERNS STATE PARK



MEMBERS DURING THEIR TOUR OF MARIANNA'S EMERGENCY MANAGEMENT OFFICE



US DEEP INSIDE THE CAVERNS

CHECKING OUT THE EMERGENCY MANAGEMENT RADIO OPERATION ROOM



Regular Chapter



@NORTHFLAMSNWA



NORTH FLORIDA CHAPTER OF THE AMS/NWA



NORTHFLAMSNWA@GMAIL.COM



@NORTHFLAMSNWA





**NATALIE  
TROUT**  
*President*



**CLAIR  
WOMACK**  
*Vice President*



**ALYSSA  
DALLMAN**  
*Treasurer*



**MADELYNN  
CONNELL**  
*Secretary*



**SYDNIE  
TUPY**  
*Social  
Chair*



**JARED  
SCHADLER**  
*Outreach  
Chair*



**KEVIN  
GREENE**  
*Academic  
Chair*



**NATHAN  
ERICKSON**  
*Academic  
Chair*

## ACADEMICS

IT IS NO DOUBT OUR ACADEMIC CHAIRS, NATHAN AND KEVIN, ARE THE BEE'S KNEES! BEFORE MIDTERMS AND FINAL EXAMS, THESE COOL CATS HOLD EXAM REVIEW SESSIONS FOR OUR CORE METEOROLOGY, MATH, AND PHYSICS CLASSES. ONE GOAL OF OUR LOCAL AMS CHAPTER FOR THIS YEAR WAS TO REACH EVEN MORE STUDENTS THAN PREVIOUS YEARS, AND HOSTING REVIEW SESSIONS ONLINE ALLOWED US TO REACH THAT GOAL.



## CY'S EYES

OUR CHAPTER AT IOWA STATE HAS ITS VERY OWN BROADCAST GROUP CALLED "CY'S EYES ON THE SKYS," WHERE STUDENTS CAN PRACTICE BEING IN FRONT OF OR BEHIND THE CAMERA. CY'S EYES LOOKED QUITE A BIT DIFFERENT THIS YEAR, AWAY FROM THE STUDIO AND OUT IN THE WILD! THE PRODUCERS, BENJI AND TREY, MASTERFULLY CRAFTED EVERYONE'S CLIPS FOR THE SHOW INTO A BEAUTIFUL PRODUCTION EACH WEEK.

**TYLER  
MERCURIO**  
*Webmaster*



**AARYN  
GRAEVE**  
*Historian*



**MARISSA  
OSTERLOH**  
*Sophomore  
Chair*



**MARK  
DEBRUIN**  
*Forecasting  
Chair*



**BENJI  
WYBERG**  
*Cy's Eyes  
Producer*



**TREY  
FULBRIGHT**  
*Cy's Eyes  
Producer*



**BRAEDEN  
WINTERS**  
*NWA  
Liaison*



*Back  
to the  
20s*



2005-2006  
2009-2010  
2011-2012  
2012-2013  
2016-2017



OUR MISSION AS THE AMERICAN METEOROLOGICAL SOCIETY AT IOWA STATE UNIVERSITY IS TO PROMOTE INTEREST IN THE ATMOSPHERIC SCIENCES AND RELATED FIELDS OF STUDY, PROVIDE FELLOWSHIP AMONG STUDENTS AND FACULTY, SERVE THE INTERESTS OF MEMBERS AND THE METEOROLOGICAL COMMUNITY AS A WHOLE, AND PROVIDE THE COMMUNITY WITH A SOCIAL AND SCIENTIFIC POINT OF CONTACT FOR METEOROLOGICAL INTEREST, SPECIFICALLY THROUGH EDUCATIONAL OUTREACH.

## SOCIAL

AS A CHAPTER, WE LOVE TO THROW ON OUR GLAD RAGS AND HEAD TO A RINGDING. FOR THOSE UNFAMILIAR WITH THE LINGO, WE ENJOY GETTING TOGETHER! IT IS IMPORTANT THAT OUR STUDENTS SPEND TIME WITH EACH OTHER OUTSIDE OF THE CLASSROOM AND BUILD THEIR RELATIONSHIPS. TO SUPPORT THESE CONNECTIONS, OUR SOCIAL CHAIR, SYDNIE, HELD SEVERAL EVENTS BOTH SOCIALLY DISTANCED AND VIRTUAL. THE NEWEST EVENT HELD THIS YEAR WAS A STUDENT MEET NIGHT WITH THE UNIVERSITY OF OKLAHOMA METEOROLOGY STUDENTS. ALL STUDENTS INVOLVED HAD A SWELL TIME!



## OUTREACH

IT WAS A DUCKY YEAR FOR OUTREACH AND EXTENSION AT OUR CHAPTER. IT IS IMPORTANT TO US THAT WE HELP THE LOCAL COMMUNITY BECOME MORE WEATHER AWARE. THE GOAL THIS YEAR WAS SIMPLE: REACH OUT TO ANYONE WHO WOULD PARTICIPATE IN VIRTUAL VISITS! OUR OUTREACH CHAIR, JARED, CONDUCTED VIRTUAL VISITS WITH ELEMENTARY STUDENTS IN LOCAL SCHOOLS, BUILT 60 MODELS OF ANEMOMETERS TO TEACH STUDENTS ABOUT DIFFERENT KINDS OF DATA COLLECTION TOOLS, AND PARTICIPATED IN IOWA STATE'S GO FURTHER, A CONFERENCE FOR MIDDLE AND HIGH SCHOOL STUDENTS INTERESTED IN MATH OR SCIENCE.



@ISUAMS



/ISUAMS



@ISUAMS



[HTTPS://METEOR.GEOL.IASTATE.EDU/AMS/](https://meteor.geol.iastate.edu/ams/)

Student Chapter





# Regular Chapter Posters

## HUNTSVILLE, NORTH ALABAMA CHAPTER OF THE AMS/NWA

*Shifting from In Person to Online, Connecting  
with the Atmospheric Science Community in the  
Tennessee Valley and Beyond*

February 2020 Meeting:  
UAH Students, HSV  
Professionals Mentor Mixer



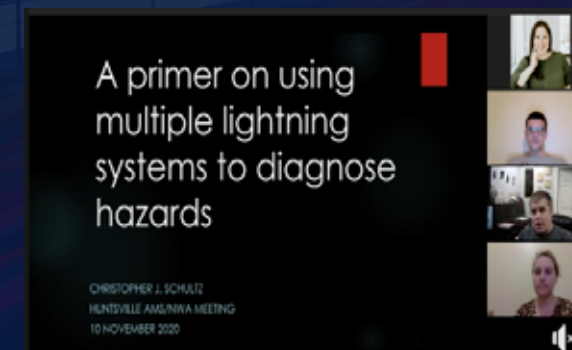
July 2020 Meeting:  
Zoom Presentation with  
Dr. Castle Williams,  
NOAA and UGA



July 2020 Meeting:  
Zoom Presentation with WAFF  
Meteorologist Brandon Spinner



Nov 2020 Meeting:  
Zoom Presentation with  
Dr. Chris Schultz,  
NASA MSFC



Dec 2020 Meeting:  
Zoom Presentation with  
Joe Gehrdes, HSV Utilities



### CHAPTER OFFICERS

Christina Edwards – President

Elise Schultz – Vice President

BJ Barbre – Treasurer

Bobby Stilwell – Secretary





# Student Chapter Posters



**Skywarn Spotter Training**  
Our members have the opportunity to become Skywarn Storm Spotters with the National Weather Service (NWS) in Melbourne, FL. Through the beginner class and advanced class, our members have furthered their knowledge in the field of meteorology, and can now report hail, flooding, high winds tornadoes, etc.

**Fund Raising**  
The majority of funding for our local chapter comes from various local restaurants that organize fundraisers for clubs. We frequently have Krispy Kreme donut sales and Chipotle Spirit fundraiser programs help us. Our Officers have also organized Bonfire sales online where we have sold FITSCAMS merchandise to everyone.

## American Meteorological Society

Florida Institute of Technology

Student Chapter

Melbourne, Florida

Matthew Beggy, Cassandra O'Connor

### Mission Statement

The Florida Institute of Technology Student Chapter of the American Meteorological Society (FITSCAMS) was founded in 1997- which coincided with the creation of a meteorology program within the Department of Marine and Environmental Systems. We have an active speakers program that includes private consulting meteorologists, TV meteorologists, employees from the NASA/Patrick Air Force Base's 45th Weather Squadron, forecasters from the National Weather Service in Melbourne, FL, and many FIT Alumni. Many members are SKYWARN spotter trained and participate in the national WX Challenge competition. We also engage in a variety of fun activities, including bowling night, pottery painting night, and more. FITSCAMS is open to both undergraduate and graduate students. We are a well-rounded club dedicated to the advancement of meteorological knowledge, and networking skills.



Fig 1: Photo collage with FITSCAMS members from various trips, including Cape Canaveral, NHC, WESH TV, and AMS 100.

### Chapter Trips

Located in east-central Florida, our members have access to high profile weather forecasting and research sites in our area. Our chapter often takes both local and long distance trips including, but not limited to, Cape Canaveral, the National Hurricane Center, Orlando WESH TV, and the National AMS conference. Under normal circumstances, we take at least one tour every academic year.

Twitter @FITSCAMS  
Instagram @florida\_tech\_ams  
Facebook @floridatechams



Fig 2: Image collage of photos taken by FITSCAMS members and alumni and featured on FITSCAMS social media. Credit from left to right starting in the top row goes to Colin Snyder, Matthew Beggy, Kelly Carmer, Alex Nickerson, Alex Branton, Anna Hamelin, Jake Bennett, Paige Klinger, Matthew Beggy, Jason Chiappa, David Bishop, Robbie Whitman, Zach Watson, Akarshna Iyer, Anna Hamelin, Seth Lee, Jason Chiappa.

### Social Media

FITSCAMS is very active on social media interacting with members, alumni, and outside weather agencies. With "Where are they now Wednesdays" featuring alumni in their careers, "Cloud Fridays" featuring student and alumni weather photography, and "Social Saturdays" that feature weather photography related to a specific topic, FITSCAMS is committed to representing all of our members and their pursuits. Our twitter background photo is a monthly competition voted on by members at our meetings. Our social media accounts are utilized almost daily to provide our community with updates about our organization, members, alumni, and current weather, etc.



Fig 3: FIT student Jason Chiappa assisting FIT Facilities Operations in the installation and maintenance of one of the FIT Weather Network stations.

### FIT WIFI Weather Network

This Project, supervised by Dr. S. Lazarus with the support of students, is to establish a real time campus-wide weather network that provides up to the minute data that is part of the "Weather Ready" NWS certification and is used in various undergraduate courses, and student research projects. The data is uploaded to Weather Underground via campus WIFI.

Fig 5 (Right): FITSCAMS members participate in a pottery class as part of community building among our organization.

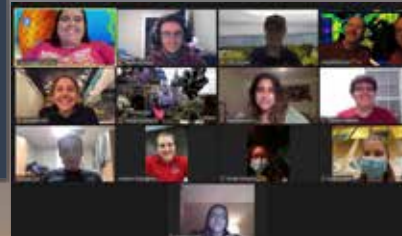
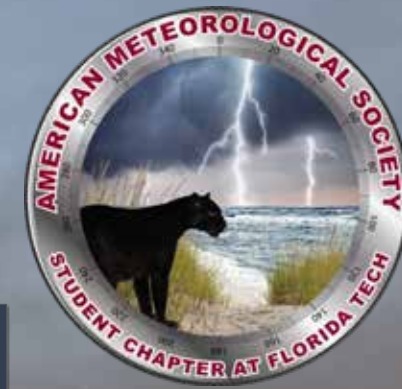


Fig 4: Florida Tech students in a Zoom meeting featuring guest speaker and alumni Andrew Shipotosky discuss his career in TV forecast Meteorology.

### COVID 19

As a result of COVID-19, we have switched our operations. Instead of our normal field trips, we have used this opportunity to 'bring in' (via Zoom) guest speakers from various meteorology fields. We have had guest speakers from broadcast meteorology, the NWS, graduate students, and NASA. Our successful FIT alumni have made up a significant portion of the speakers. We continue to find ways to digitally connect with all of our members to keep engagement up even in these unprecedented times.





## Students Observing and Researching Meteorology

We are a student-run organization at Georgia Tech, comprised of people of all backgrounds who share a common interest in meteorology and other atmospheric science-related fields. Our mission is two-fold, aiming to "educate the local community to increase awareness and understanding of meteorological events, and to provide educationally-enriching experiences to student members in the field of meteorology".

### About Our Chapter

#### 2020-2021 Officers

President: Dorien Minor  
Treasurer: Thomas Silas  
Advisor: Dr. Zachary Handlos

Founded as an AMS Local Chapter in 2003!

#### Where you can find our Alumni:

- **Broadcast Meteorologists** in Atlanta, Erie, Raleigh, and Huntsville
- **National Weather Service** offices in Peachtree City, Burlington, San Diego, and Las Vegas
- **Public Sector Meteorologists** for FEMA, GEMA and Homeland Security
- **United States Navy** and **Air Force**
- **Meteorological Consulting** with WeatherFlow, Climate Forecast Applications Network



### What's Next for StORM in 2021?

Expanding membership to interested graduate students.  
Publishing a new website and other social media accounts.  
Continuing to facilitate the advancement of atmospheric and related sciences, technologies, applications and services for the benefit of society.

### Community Outreach

**Atlanta Science Festival** - Our chapter hosts a booth to represent StORM Club and our EAS department to teach the community about weather hazards.

**Science Nights** - We visit elementary schools in Fulton, DeKalb, and Gwinnett Counties to teach students about weather through fun demonstrations and experiments.

### Social Events

**Local Hikes** - Our chapter organizes a hike during the spring semester for members to network and socialize.

**Photo and Meme Contest** - Once a year, our chapter facilitates a department-wide photo contest (and meme contest, starting in 2021), with rewards given for highest voted photos/memes.

### Professional Development

**AMS Conference and Endowment** - Many of our members consistently attend the annual AMS conference either as a student volunteer or through a generous endowment through our department. These opportunities help to facilitate networking and early career opportunities for our members and alumni.

**Studio Tours** - Our members have had the opportunity to tour the Weather Channel to learn more about the broadcast meteorology sector and to engage with professionals.



STORM - GT Chapter of the American Meteorological Society



georgiatech.ams@gmail.com





# Millersville University Student Chapter of the American Meteorological Society

2020-2021 Officers:

President: Abigayle Gant ('21) Vice President: Rhiannon Fleming('21)  
Treasurer: Laurel Blanchard ('22) Secretary: Anthony Codispodi ('21)

*Millersville, PA*

2020-2021 Officers:

Historian: Robert Commodari ('22) Webmaster: Bryce Adams ('23)  
Public Relations Representative: Kristin Maurer ('22)

## Our Chapter

The Millersville University Student Chapter of the American Meteorological Society (MU AMS) was created in 1986. Over the years, MU AMS has grown significantly to become one of the largest student organizations on Millersville's campus with over 110 members in recent years. Involvement in MU AMS affords our undergraduates the opportunity to not only share their meteorological knowledge and attend various events with fellow students, but also to develop more personal and professional relationships with professors, speakers/visitors, and classmates, all of whom may become colleagues in the future.

## MiST: Millersville Storm Tracking and Forecasting



This is our newest sub-group of MU AMS created for the 2019-2020 academic year. The goal of MiST is to serve as a hub for students interested in tracking and learning about significant weather events across the US, and to enhance the forecasting efforts of students participating in the collegiate WxChallenge competition.



"Student members of the AMS chapter engage in community service in many ways, including the Weather Outreach Program that connects Meteorology majors and K-12 teachers in the classroom and Public Weather Awareness Day where AMS members orchestrate a day-long free and open weather event that attracts hundreds of members of the regional community." – Dr. Richard Clark

Each academic year, the chapter schedules many different events in which members can participate. Beginning with the Meteorology Mentor Program, incoming freshmen are paired with an enthusiastic upperclassman who will help guide them through their first semester, providing opportunities to form new friendships early on, ask questions, and learn the in's and out's of being a meteorology student at Millersville University. Throughout each semester, we have monthly chapter meetings, fun social events, school outreach opportunities, fundraisers, a professional speaker series, and weekly open officer and committee meetings which allow members to help steer the organization and participate to the fullest extent. Events and activities have been much harder to plan this year due to COVID-19 restrictions set by both the state and the University. However, we have still found ways to engage our students through hosting meetings, movie nights, game nights, speaker series, and Met Mentor events virtually! We are even getting our students involved in a socially distant winter research project!

## Space Weather Subclub



After the establishment of Millersville University's Space Weather/Heliophysics minor, the Space Weather club was created as a sub-group of MU AMS. Founded in the 2016-2017 academic year, this group studies radiation in the atmosphere and other solar activities. We also serve in an outreach role to teach others about the important effects of space weather.

## Weather Watch

Millersville University's Weather Watch club was founded in 2011 as a sub-group of MU AMS. Weather Watch enables students to get experience in front of the camera, and behind the scenes, even if they aren't aspiring broadcast meteorologists! Each semester two episodes are produced featuring weather events that have occurred all over the world and these stories are told by student hosts and reporters. The segments are shot, edited, and pieced together by our team who then upload it to YouTube and our Facebook page for the public to see.







# Northern Vermont University-Lyndon

## American Meteorological Society and National Weather Association

### About Our Chapter

The NVU-Lyndon AMS & NWA club is a student run chapter that works to educate our members on the weather and career paths within the field of atmospheric sciences in many different and engaging ways. We do this through competitions, alumni speakers, trivia nights, and more! Our main event is the Northeastern Storm Conference which is the largest and longest running student led conference in the nation that draw attendees from all around the east coast!



NESC 2020



Trivia Night

Background PC: [NASA Goddard Photo and Video](#)

### Community Outreach

Our club strives to get involved within the community and give back in any way possible. In the past, we have worked with H.O.P.E., a local thrift and affordable store, helping them with clothing donation and recycling events. We also organize the Northeast Kingdom Science Fair where we invite young students from local schools to make a project and present it on our campus!



HOPE Volunteer Event



First GBM



### Club Events

To allow all students, whether remote or on-campus, to participate in events, we made most events remote. These include alumni speakers, trivia nights, and monthly general business meetings. Other events geared towards on-campus students included an outdoor game day and local community service opportunities!

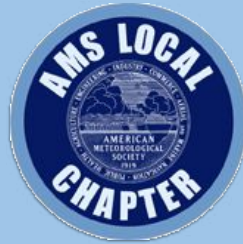
### NESC 2021

Every year our executive board works to plan the Northeastern Storm Conference. Due to the pandemic, we are working to make it completely remote for 2021. The remote setting has motivated the executive board to brainstorm new ideas with professional development workshops such as interview preparation and seminars on transitioning after graduation while also continuing to have panelists, guest speakers, and student presenters.

[Lyndonams.org](http://Lyndonams.org)







## #SafeCollaboration

Our chapter made a big push this year to expand our **social media presence**. Themed posts such as “Weather Meme Monday” and “10 Days Life is Good” fostered meaningful interactions with **current members**, **alumni** (including Chief Meteorologist at ABC News Ginger Zee), and other **local chapters**.



## #SafeSocial

With Valparaiso University operating in-person for the first 12 weeks of the semester, we were able to host a number of events for our members. This includes a **freshman meet and greet** at the beginning of the semester, a **fall picnic**, and our annual **halloween costume contest**. We provided our members with a personalized **Valpo Meteorology mask**.



# Northwest Indiana Chapter of the AMS / NWA

@NWI\_AMS

**Chapter Mission:** Recognized as an AMS student chapter in 2007, the Northwest Indiana Chapter shall pursue the goals outlined by the AMS and NWA through the advancement of the discipline of meteorology in the local area.

📍 **Valparaiso University** 🔗 [valpo.edu/student/nwa/](http://valpo.edu/student/nwa/)

📅 **Founded in 1996**

**9 Members Gained**

**40 Total Members**

## #SafeGrowth

2020 was a **year of reflection** for many people, including our Chapter. Keeping the discussion of racial injustices in mind, we strived to bring in a diverse group of speakers to expand our member’s understanding of **different perspectives** in the field of science. Our **website** was also **revamped**, allowing for more effective and appealing interactions.



## #2020-21 Officers



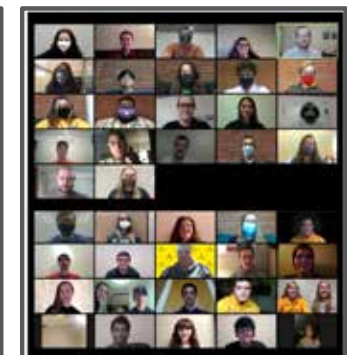
President: **Brennan Dettmann**  
Vice President: **Anna Gendusa**  
Secretary: **Sophia Sagrestano**  
Treasurer: **Richard Minor**  
Social Chair: **Alexa Minton**



VALPARAISO  
UNIVERSITY

## #SafeProfessionals

Our **Meteorology Internship Symposium**, and **Internship Spotlights** on social media, allowed members to share and discover the vast array of available internship opportunities in the field. We also virtually hosted professionals to promote their respective programs, such as an internship with the Instituto Meteorológico Nacional in Costa Rica. **Monthly meetings** were held virtually to ensure safety and to continue to build positive relationships among members.



## #SafePhilanthropy

Our chapter was involved in the **virtual fundraiser**, Dance Marathon, which is for the **Children’s Miracle Network** to raise money for families whose children are affected. Participants are on their feet for twelve hours, listening to stories from families, raising money and awareness, and dancing for those children who cannot.



[Twitter.com/NWI\\_AMS](https://twitter.com/NWI_AMS)



[Facebook.com/ValpoAMSNA](https://Facebook.com/ValpoAMSNA)



[valpo.ams.nwa@valpo.edu](mailto:valpo.ams.nwa@valpo.edu)





# Stony Brook University Chapter of AMS

## Meteorology Club at Stony Brook University



### Student Involvement

Seawolves Storm or Not  
Students put together a weekly broadcast focusing on weather phenomena.



### NASA IMPACTS TRAINING

Students initialize radiosondes using Grawmet Software, prepare weather balloons and release launch. Following launch, students monitor sounding, adding data to further understand snow bands.



### ● Club Meetings ●



Alumni Event:  
Club member reconnect and discuss where they are now and the evolution of the club.

Discussions on Tornado Development  
Hurricane Tracking  
2020 Hurricane Recap  
Forecasting Workshop

IBM Meteorologist, Mike Ventrice, presents his journey in meteorology and answers questions of prospect meteorologists.



### Future Events

Alumni Career Panel  
Beach Clean Up  
National Weather Service  
Research Development  
Weather Ready Training

### Chapter Officers

President- Darlene Dittell  
Vice President- Audrey Sinclair  
Treasurer- Julia Tetrault  
Secretary- Kevin Rodriguez  
Public Relations- Austin Reed  
Public Relations- DeShaun Robinson

FOLLOW US ON SOCIAL





@SBUweather





## Officers

<b>President:</b> Miles Langfeld	<b>TASC Coordinators:</b> Rachel Eldridge and Josh Ostaszewski
<b>Vice President:</b> Marcus Watkins	<b>Broadcast Coordinators:</b> Jeanette Gallardo and Abby Thornton
<b>Treasurer:</b> Levi Newell	
<b>Secretary:</b> Chris Larson	
<b>Historian:</b> Andrew Davis	
<b>Social Officer:</b> Luke Drosche	

**Contact Us!**  
tx.ag/tamscams

## Socials


TAMSCAMS offers its members a little break from the stresses of college by hosting social hangouts. This year we've hosted our social events virtually. Students have interacted through **Zoom** together while playing online party games such as Among Us and online Pictionary. The chapter also hosted a **virtual Halloween Costume** contest.





## TASC


### Texas Aggie Storm Chasers



In TASC, students learn to forecast severe weather events and how to **safely observe such storms**.



On chases, students use HAM radio to communicate between vehicles and keep each other up-to-date on current weather conditions. Students also submit storm warning reports to the National Weather Service to assist in early warning and storm condition verification.

As of late, TASC has been attempting to develop COVID-safe chases. The club is considering streaming chases to members on Twitch.



## Broadcast

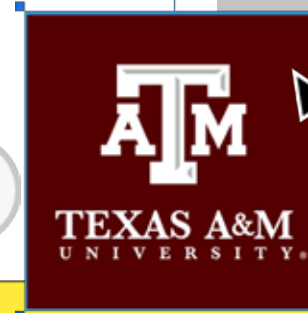
- **TAMU TV Broadcasting** is new to TAMSCAMS! 30 second clips are broadcasted on the PBS affiliate KAMU-TV throughout the week.
- The **Texas A&M Weather Broadcasting** continues to update College Station with Radio Broadcasts and Weather slides. Members also maintain our Facebook, Twitter, and Instagram accounts. This group is great for freshman to build their weather communication skills!

A Digital Semester!

# TAMSCAMS

Search Texas A&M Student Chapter of the American Meteorological Society



## Monthly Meetings

Every month we hold a meeting where we invite professionals from the meteorological work force to come give insight and advice to our members about their specific field of work. This helps students prepare for the real world application of meteorology and shows them the different opportunities for jobs.

All of our **meetings were hosted virtually** this past semester, but that didn't stop us! We continue to inform our members about upcoming opportunities and applications!



**Pre-COVID Meetings**







This semester we hosted a **NWS career fair**. Several NWS officials attended a Google Meet for the entire club. Students were allowed to ask questions after the NWS officials presented.



## History

- In 1918, Dr. Charles Franklin Brooks worked as a Meteorologist at the early Agricultural and Mechanical School of Texas. He would go on to found the American Meteorological Society in 1919.
- The TAMU School of Meteorology taught over 300 men under Dr. Brooks and Dr. Oliver Fassig. Research was conducted to develop a formula for the rate of ascent of a pilot balloon using a theodolite.

**Dr. Charles Franklin Brooks**





Example of a 20th Century Pilot Balloon (History of Science Museum)


- Dr. Brooks was known to teach soldiers how to analyze a six foot weather map in under 45 minutes!
- In 1956, the AMS local chapter at Texas A&M was created, making it one of the oldest student chapters. Our members continue to document the chapters history.

## Outreach

TAMSCAMS participates in several volunteering opportunities in the community each year. We always participate in some of A&M's biggest community service events like Big Event and Aggie Replant. We also volunteer for Physics Fest and Weather Fest where children high school age and younger get to learn about weather fundamentals and cloud formations through hands-on activities and demonstrations.



**Students at The Big Event**



**Fun at Physics Fest!**

TAMSCAMS is planning to participate in several COVID-safe outreach projects this year, including the Big Event.





# University of Massachusetts Lowell American Meteorological Society Local Student Chapter



President: Eric Roy Vice President: Nathan Coram Faculty Advisor: Dr. Frank Colby

## A Different Kind Of Year

2020 has been a year unlike any other, and it continues to pose hardships and challenges for everyone. As a University club, we have always tried to be a support system to students and with our current physical distance, this has become even more important to our members.



Figure 1: Trip to NWS Forecast Office in Norton, MA in February 2020 before COVID-19 outbreak.

## Fall 2020 Speaker Series

Guest speakers from the fields of broadcast, research, and operational weather forecasting were invited to talk about their work. This provided fascinating discussion and professional development opportunities for students!



Figure 2: Students learning about the work of research scientist Ryan Bennett during our November meeting.

## First Annual Career Night

To provide further guidance to students pursuing careers in the earth sciences, six guest speakers from public and private sectors participated in an open panel discussion on how to land a job after graduation.



Figure 3: Panelists from various earth science employers describe their academic and professional pathways.

## Event Recaps/Weather Discussions

As meteorology students, our members like nothing more than to talk about exciting happenings in weather! To foster these discussions in our remote format, club leaders presented brief overviews of the storm, followed by open discussion.



Figure 4: An event recap of Hurricane Isaias given during our September meeting.

## Snow Raffle

For some fun competition, we have continued our yearly snow raffle, where members try to guess the date of first snow of varying depth and yearly snow totals. Snow depth are recorded by our own SKYWARN-certified student, Nathan Coram!

Updated 8:18 PM, 12/20/20					10/30/20		10/30/20	
Rank	Name	Points	Submission	RWP	First Trace	Points	First Accum	Points
N/A	Nathan Coram	-	-	4	10/30/20	-	10/30/20	-
1	Brandon Graf	120	1	6	10/30/20	25	10/30/20	25
2	Randy Greenon	105	6	6	10/30/20	25	10/30/20	25
3	Nick Hunter	85	4	4	10/30/20	26	10/30/20	25
4	Eric Roy	75	7	3	10/30/20	25	10/30/20	25
5	Josh Molvar	55	2	6	10/29/20	10	10/29/20	10
6	Dr. Frank Colby	35	3	3	10/30/20	25	11/3/20	5
7	Sarah Cheney	30	5	2	11/17/20	5	10/30/20	25
8	Hunter Marion	20	8	2	10/30/20 (Late)	0	10/30/20 (Late)	0

Figure 5: Our current bracket with point calculations. This year we have a real barn burner on our hands!

## Volunteer Weather Center Forecasters

The best way to become a better forecaster is through practice, and our student-run website is the perfect place for students to do this. Students create five-day forecasts for the Lowell Area and publish blogposts discussing impact weather events.



Figure 6: Student forecasters publish outlooks and daily weather forecasts on our webpage.



@UMLWeatherCTR



@umlweatherctr



@UMLWXCTR



storm.uml.edu



# Pre-College Chapter Poster



## Greater NJ/NYC/Philly AMS Pre-College Chapter

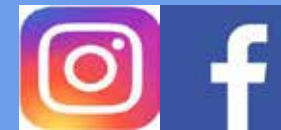


Founded 2016

100% student incorporated and run!  
Age Middle through High School



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Weatherworks  
Presentation



SUNY Oswego  
Presentation



Penn State  
Presentation

Connecting students interested in atmospheric sciences. Educating future meteorologists.