AMS LOCAL CHAPTER AFFAIRS

Winter/Spring 2019 Volume 8 Issue 3

CHAPTER HAPPENINGS

UNIVERSITY OF PUERTO RICO AT MAYAGUEZ

Since September, the University of Puerto Rico at Mayaguez local student chapter contacted Meteorologists Ángel Adames and Suheily López, two former members and alumni that graduated and joined the workforce, and had Q&A conferences with our members. Part of our mission is to keep past members active and present members aware of available opportunities, along with what to expect in the job search after graduating. Adames, who is now an Assistant Professor specializing in Tropical Meteorology at the University of Michigan was called via Skype and the students were able to ask him different questions about his student life, how he reached his goals, and his recommendations to have a successful career as an atmospheric scientist. While López, a Broadcast Meteorologist at Univision Communications Inc., visited our chapter and also held a conference. She inspired us with her story of how she finally got the opportunity to work as a broadcast meteorologist and emphasized that while it may not be easy, one should never give up on desired personal goals. Afterward, she answered questions and even asked volunteers to perform a mock TV weather report.

More positive news for our chapter was that we had one of the largest groups initiated, of our chapters history, in the annual new member initiation, performed in November with a total of 26 new members. ■





OHIO UNIVERSITY

Each year during the fall semester OUCAMS has a mentor mentee program where upperclassman in the major can be a mentor for underclassman. The program lasts throughout the school year and it is a great way for the underclassman to get a feel for what it is like to be a meteorology student at Ohio University. Pictured are those in the mentor mentee program going through the basics of how to read a DARS as well as helping the mentees to schedule courses for the spring semester.





This year the members of OUCAMS decided to gather around before leaving for Thanksgiving Break to host the first ever Thanksgiving Dinner. During this event members brought in traditional dishes and snacks for the Thanksgiving feast and watch some NFL football. This gave members the chance to relax after a week of midterms and to get into the Thanksgiving spirit. Pictured above members are going around the table talking about what they are thankful for this year. ■

SOUTHEASTERN ARIZONA (SEACAMS)

SEACAMS won 1st place in the Local AMS Chapter Poster Competition. This poster was created by our Treasurer, Ashley Ballard, with input from our other officers. The poster included a highlight about who our members are and their relationship with weather. It also included our new chapter logo and QR codes to link to our Facebook live videos of our meetings. This year was the first year we implemented Facebook live into our meetings and we will continue to do so in the future. Facebook live is a quick and simple way to allow members who are unable to attend meetings to be able to view them and interact with our speakers. This year we will also be hosting the All Arizona Meeting this upcoming February and we included information about that on our poster for anyone local who may be interested in attending. Creating the poster and displaying it at the AMS Conference in Phoenix helped get the word out about our chapter. Our treasurer was approached multiple times during the conference by local educators who saw our poster and used it to get in touch with us to discuss meetings and potential outreach opportunities. ■



MILLERSVILLE UNIVERSITY

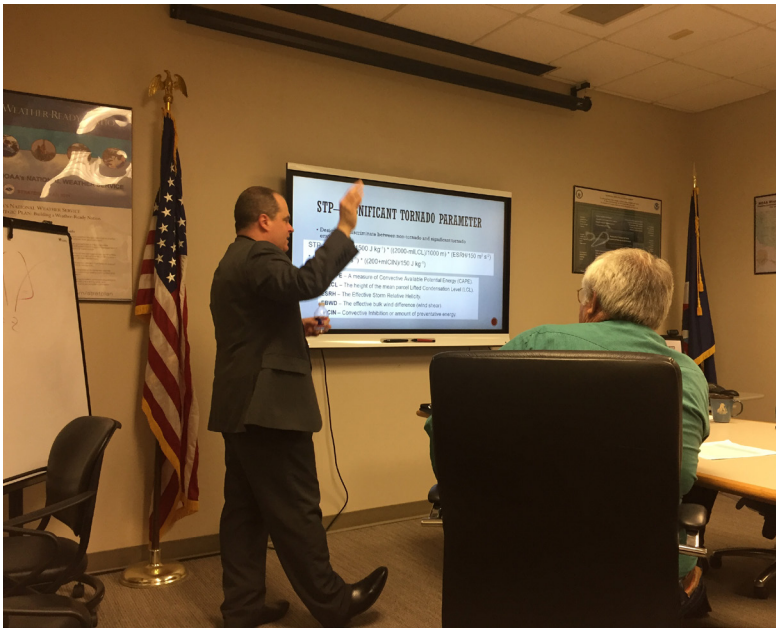
With the end of the 2018 Fall semester and the beginning of the new year, the Millersville University Chapter of the American Meteorological Society is excited to embark on the next 2019 Spring semester. We fondly look back on our last semester accomplishments including a successful Met-Mentor Program, several community outreach events, club activities, and fundraising. We are proud to return to the National American Meteorological Society Conference with our juniors and seniors. Millersville University sent 40 juniors and seniors to attend seminars, network with other universities and meteorologists, and see their fellow students' research. Students experienced the conference in full, along with the Millersville Alumni Reception.

Looking forward, the Chapter is beginning to plan for the 11th annual Public Weather Awareness Day. We hold this event on campus and it is highly anticipated by the community of Millersville and beyond. Even though we had weather difficulties in the past semester, our Chapter made the best of our events. We are enthusiastic for the new semester and new year, weather permitting. ■



ARKANSAS

On December 4th, 2018, the Arkansas AMS Chapter held a fall meeting at the National Weather Service in North Little Rock, AR. Two presentations were delivered to those in attendance: an overview of the Drought Monitor, and a review of the recent Gensini and Brooks paper: "Spatial trends in United States tornado frequency," both delivered by WFO Little Rock Science and Operations Officer, Christopher Buonanno. The first presentation included a look at the history of the Drought Monitor product, as well as the intended uses and "big picture" take-away from the product. To transition into the second presentation, the group quickly discussed ongoing weather and the expected forecast through the remainder of the week. Christopher then discussed the aforementioned paper, written by Vittorio A. Gensini and Harold E. Brooks. Chris included a description of the Significant Tornado Parameter (STP) and how the index was utilized by the authors to study variations in the country's tornado climatology. ■



NORTHERN VERMONT UNIVERSITY OF LYNDON

The AMS Northern Vermont University – Lyndon chapter put on their second annual Talent Show and it was just as, if not more, successful as last year! Nine acts from all corners of the campus came together to put on a spectacular display of talent, from soloists singing classic rock songs to a performance played entirely on a keytar. The first, second, and third place winners won prizes to various businesses around the Northeast Kingdom, in addition to one lucky raffle winner that won the "door prize." Profits from ticket sales before and during the show were donated to the Red Cross to help victims of Hurricane Michael begin to get back on their feet and continue rebuilding. It was a wonderful night of entertainment all for a good cause, and we hope to keep providing quality shows for years to come! ■



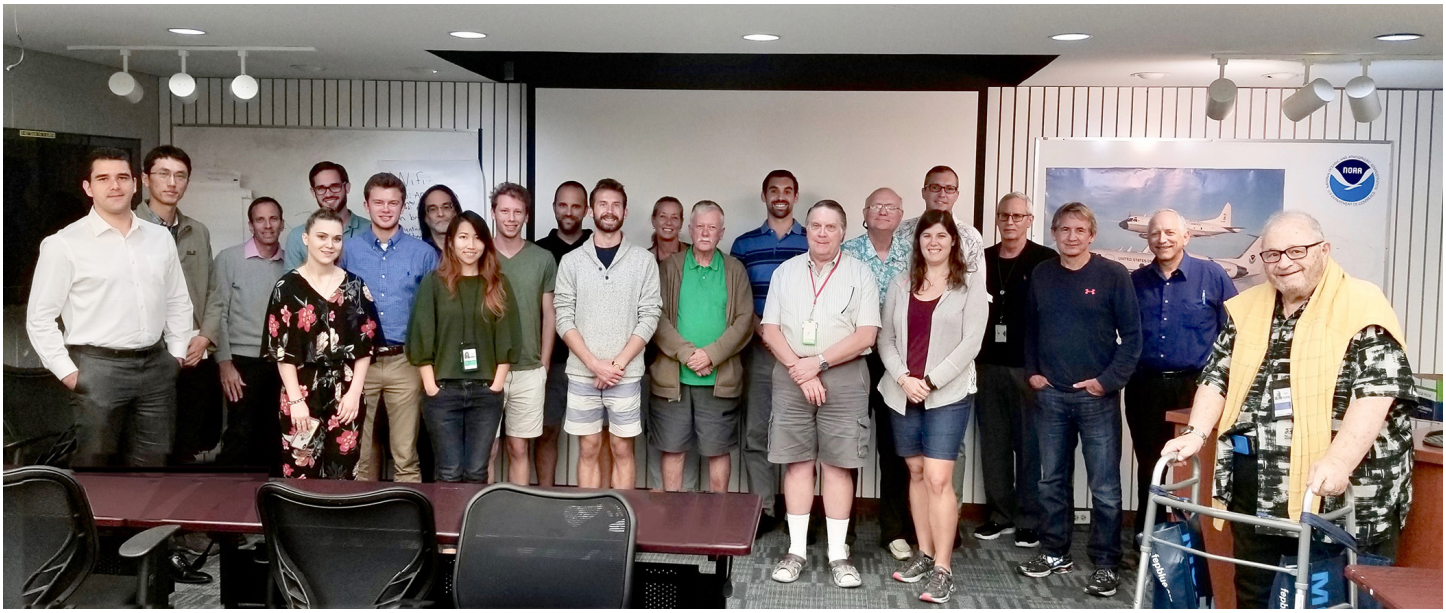
IOWA STATE UNIVERSITY

Students from the Iowa State University Student Chapter of the American Meteorological Society pose before their meticulously crafted and award-winning poster. The poster placed second overall among the rest of the student chapters. In addition to bringing home a poster ribbon, students took advantage of the variety of opportunities at both the 18th annual student and the 99th annual national AMS conferences, such as networking with professionals in an array of fields and interacting with students from other universities. Overall, the conference proved to be a successful venture and enriched the attendees professional lives. ■



GREATER MIAMI

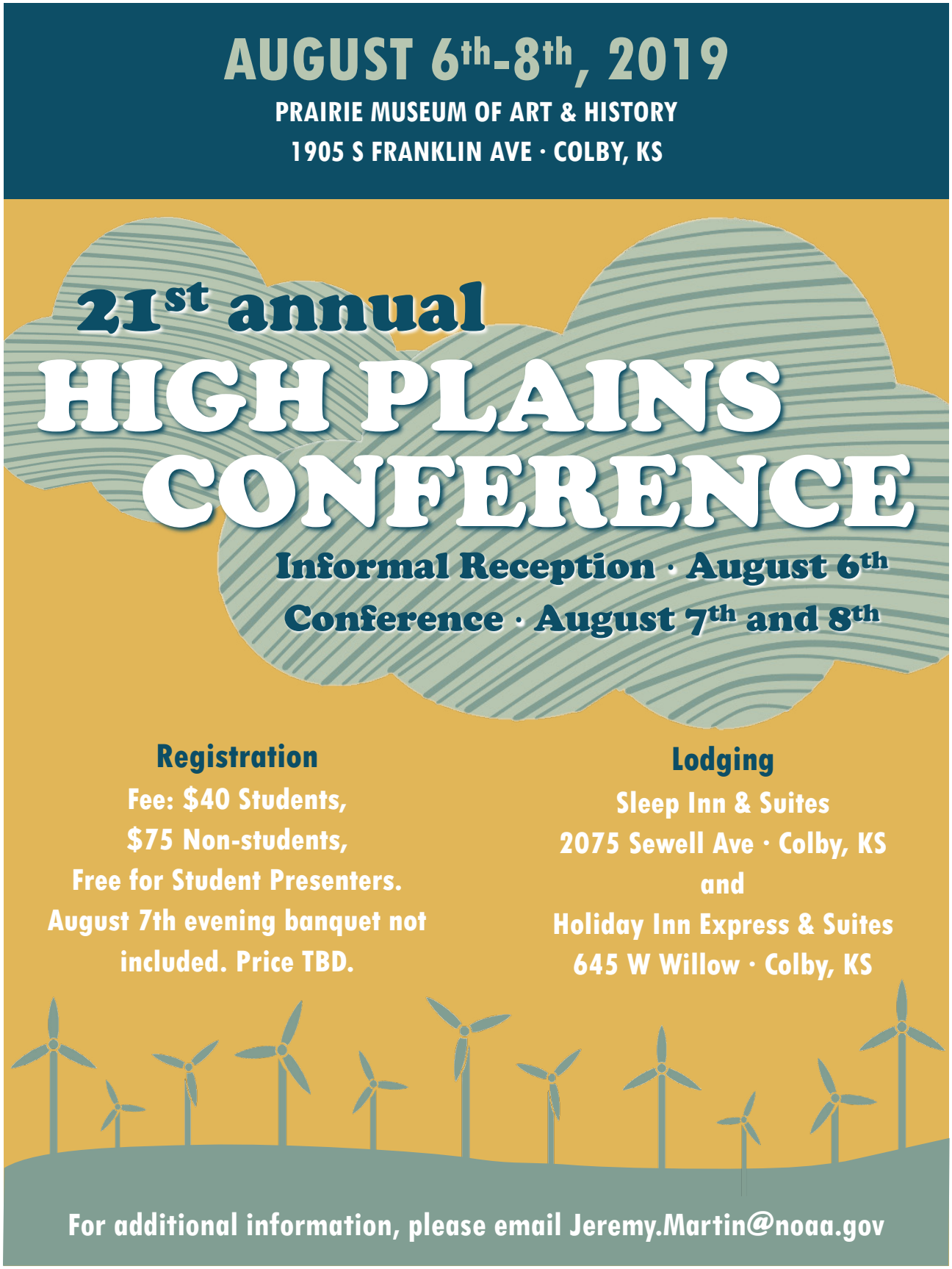
The Great Miami Chapter of the American Meteorological Society hosted a meeting at the Atlantic Oceanographic and Meteorology Laboratory (AOML) on December 10, 2018. Present at the event were local chapter members as well as dozens of guests who included students from the University of Miami and Florida International University and researchers from AOML's Hurricane Research Division (HRD). The speaker for this meeting was Brian McNoldy, who is a Sr. Research Associate at University of Miami's Rosenstiel School of Marine and Atmospheric Research (RSMAS) and a Capital Weather Gang Tropical Meteorologist. McNoldy gave an informative presentation entitled "The 2018 Hurricane Season in Review." His analysis of the 2018 season verified that it was indeed an above-average Atlantic Hurricane season which included 15 named storms, 8 hurricanes, and 2 major hurricanes. Brian's presentation also included insights into the atypical Accumulated Cyclone Energy (ACE) distribution that was evident during 2018 season and noted that it is the first season ever to include seven storms that were subtropical at some point during their lifetimes. AOML researcher Evan B. Forde serves as the Miami AMS local chapter chairperson. ■



RUTGERS UNIVERSITY

The Rutgers Meteorology Club did a variety of fun activities this semester at each of our monthly meetings! At our October meeting, we had a Halloween themed night where club members participated in a variety of spooky activities, such as wrapping each other up like mummies, and having a Halloween themed rap battle. In November, we had two guest speakers come to our meeting including Dr. Steven Decker, the head of our undergraduate program, who talked about the Storm Chasing Trip offered to our upperclassmen this coming summer; and Dave Margolin, who came and discussed with us potential careers we can go into with our meteorology degrees. Additionally, members submitted predictions for our annual "snow pool," which includes categories such as the date of earliest snow fall, largest snow event, how many inches of snow we will get this season, and the coldest temperature that will be reached this season. The contest already had two winners, Ashley Cornish and Daniel Cohen, who both correctly guessed November 15th as the first accumulating snowfall of the season. Congrats to them and we look forward to finding out the other winners,as well as what we have in store for next semester! ■

HIGH PLAINS


AUGUST 6th-8th, 2019
PRAIRIE MUSEUM OF ART & HISTORY
1905 S FRANKLIN AVE · COLBY, KS
21st annual
HIGH PLAINS CONFERENCE
Informal Reception · August 6th
Conference · August 7th and 8th
Registration
Fee: $40 Students,
$75 Non-students,
Free for Student Presenters.
August 7th evening banquet not included. Price TBD.
Lodging
Sleep Inn & Suites
2075 Sewell Ave · Colby, KS
and
Holiday Inn Express & Suites
645 W Willow · Colby, KS
For additional information, please email Jeremy.Martin@noaa.gov

UNIVERSITY OF CALIFORNIA, IRVINE (ZOTCAMS)

zotCAMS, the Student Chapter of the American Meteorological Society at UC Irvine, wrapped up a highly successful quarter this Fall. We hosted our first forecasting series, which met twice a month for an hour to cover topics ranging from an introduction to the Norwegian Cyclone Model to using satellite and radar imagery to better inform a forecast. To put our new knowledge to the test, we wrapped up the series in December by forecasting temperature and snowfall amounts for a winter weather event in the Northeast. Since the Earth System Science department here at UCI offers just a single class on weather, one of the goals of our club is to encourage interest and build useful skills in meteorology, which our new series hopes to achieve. To that end, we were also able to host a talk from NWS Forecaster Tim Cermak,on hurricanes and the busy Atlantic season of 2018. We'll continue the speakers and workshops this quarter with a focus on local California weather and climate.

We were especially proud to be the recipient of the first place student poster and Chapter Honor Roll at the AMS Annual Meeting in Phoenix, AZ, this January. We've continued to grow as a club, with a steady membership and higher undergraduate participation this year that has helped us thrive and grow as a club. We're excited for the upcoming events this quarter has to offer! ■



UNIVERSITY OF MIAMI

Five members from the University of Miami student chapter of the AMS represented the UM undergraduate meteorology program at the AMS 18th annual student conference in Phoenix. They had a great time networking with potential graduate school advisors, exploring internships and career paths, and presenting their research at the student conference poster session.

From left to right: George Rizzuto (junior), Tim Higgins (junior), Sean Macaday (senior), Jimmy Ge (senior), and Sydney Kramer (junior). ■



CORNELL UNIVERSITY (CCAMS)

The Cornell Chapter of the American Meteorological Society (CCAMS) was able to send twelve students to the 99th AMS conference in Phoenix, Arizona. Five students presented their work at the conference as well as many Cornell graduate students, professors and alumni. CCAMS was fortunate enough to be able to hold a Cornell reception where alumni were encouraged to interact with undergraduate students as well as professors in hopes of making long term connections. This was the third consecutive year that a Cornell reception was able to be held at the AMS conference. Many alumni who were previously unable to attend the AMS conference because of distance were able to join this year and strengthen the Cornell representation throughout the conference.

The AMS conference acted as not only a platform for students to present their research to those in the field of atmospheric science, but also as an aid for students looking for future employers or graduate school advisors. Many CCAMS members made the most of their time at the conference by networking, attending symposiums of interest and asking many questions. We look forward to another successful year of being members of the AMS and can't wait to bring the AMS conference to the northeast next year! ■



SOUTHEAST TEXAS/SOUTHWEST LOUISIANA

The Southeast Texas/Southwest Louisiana Chapter of the AMS/NWA met on December 15th at Lamar University in Beaumont, Texas. Dr. James Westgate of Lamar University gave a presentation to the chapter entitled "The Rise and Fall of Caplen Texas." The presentation focused on how geology, climate, tropical storms and hurricanes, coupled with building practices influenced the population changes of the beach community of Caplen, Texas. Based on the history of Caplen, Dr. Westgate highlighted several important lessons that should be applied to the development of coastal areas. After the presentation, chapter members spent some time discussing some of these lessons and their potential impact on future development plans for southeast Texas, including the proposed "Ike Dike."

A full article upon which the presentation was based can be found at https://www.researchgate.net/publication/276206629_The_rise_and_fall_of_Caplen_Texas. ■

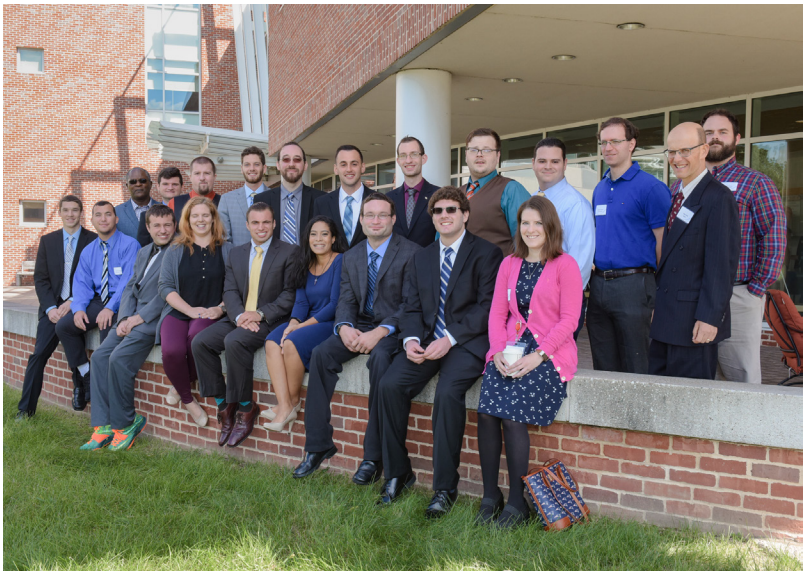
NEW YORK CITY/LONG ISLAND

On Saturday, September 29th, the WestConn Student Chapter of the AMS; the New York City/Long Island Chapter of the AMS; NOAA/National Weather Service/ Upton, NY; and NOAA/National Weather Service/Boston/ Norton, MA, co-sponsored the Seventh Tri-State Weather Conference at Western Connecticut State University in Danbury, CT. Nick Gregory from Fox 5 TV in New York City was our Master of Ceremony.

Over 150 attendees came from the private and public sectors as well as middle and high schools, colleges and the tri-state community. A perfect weather day provided another memorable conference in the midst of an active hurricane season. Please find an overview of the speakers and topics covered here. ■







The next newsletter will be published in April. If your chapter would like to announce upcoming events or submit a write-up on a specific activity that was successful, please e-mail Jordan Stillman no later than March 15th.
To view prior newsletters, **click here**.

NEWS FROM AMS HEADQUARTERS

LOCAL CHAPTERS RECOGNIZED AT 99TH AMS ANNUAL MEETING

Approximately 140 individuals representing 43 chapters attended the Local Chapter Officers' Breakfast on January 8, 2019, at the 99th AMS Annual Meeting in Phoenix. Amber Liggett, the Chair of the Local Chapter Affairs Committee (LCAC), talked about the accomplishments of the LCAC over 2018, including reaching out to inactive Chapters and the LCAC's social media presence, and discussed some of the benefits of Chapter membership. Chad Kauffman from the AMS Membership Committee discussed some of the benefits of National AMS Membership. AMS Chapter Liaison Jordan Stillman discussed the AMS Community platform and encouraged all chapter members to utilize the forum.

After the business portion of the breakfast meeting, AMS President Roger Wakimoto presented awards to the Chapter of the Year and Student Chapter of the Year. Then the winners of the poster awards were announced. Thirty-three chapters presented some truly wonderful posters at the Annual Meeting, making the judging process quite challenging. Congratulations to the winners and thank you to all those who participated!

The Chapter Town Hall portion of the meeting was led by Chair-Elect Kristofer Tuftedal. The Chapter of the Year Award winners from Blue Ridge and East Mississippi shared their successes and challenges from the last year. Open discussion included conversations covering challenges in fundraising, member retention/recruiting, marketing, and community outreach. There was also discussion of how the LCAC can better support and communicate with all Chapters. Thank you very much to everyone who was able to attend! ■

CHAPTER OF THE YEAR
BLUE RIDGE



STUDENT CHAPTER OF THE YEAR
EAST MISSISSIPPI



CHAPTER HONOR ROLL

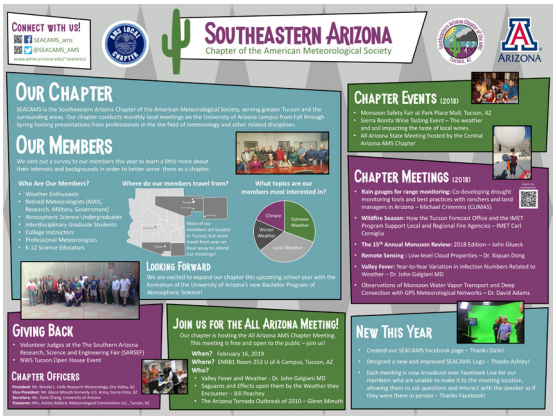
CENTRAL ARIZONA
IOWA STATE
LYNDON STATE
OHIO UNIVERSITY
UNIVERSITY OF CALIFORNIA, IRVINE



CHAPTER POSTER WINNERS

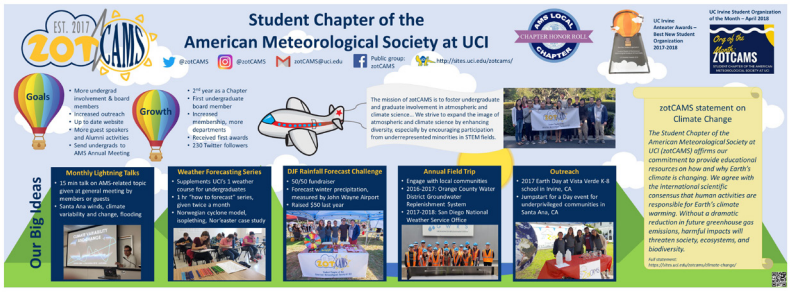
REGULAR CHAPTER POSTER WINNERS

1ST PLACE: SOUTHEASTERN ARIZONA
2ND PLACE: WEST CENTRAL FLORIDA
3RD PLACE: CENTRAL ARIZONA



STUDENT CHAPTER POSTER WINNERS

1ST PLACE: UNIVERSITY OF CALIFORNIA, IRVINE
2ND PLACE: IOWA STATE UNIVERSITY
3RD PLACE: WESTERN ILLINOIS UNIVERSITY



CHAPTER OF THE YEAR AWARD APPLICATIONS NOW ONLINE!

Nominate your chapter for the Chapter or Student Chapter of the Year Award through AMS's online award system! Simply go to the AMS Awards page and nominate through the Awards portal. The deadline for the Local Chapter of the Year nominations is 1 May 2019. ■

DON'T FORGET TO UPDATE YOUR CHAPTER'S ONLINE DIRECTORY LISTING.

It is very important to keep your chapter officer information up to date in the Chapter Directory. This contact information is used to distribute the quarterly newsletter as well as news about Annual Meeting activities, important deadlines, and other areas of interest. If we are not able to reach you or if you are not updating your officers yearly, you may be marked as inactive. Instructions on updating your Directory information are available on the Chapters web pages. ■

SUMMER RESEARCH PROGRAMS

Paid Summer Research Program deadlines are fast approaching! PathwaysToScience.org has a searchable database of 650+ summer research programs in all STEM disciplines. These are all FULLY FUNDED opportunities including programs sponsored by NSF, NASA, NIH, etc. We also have a nice selection of resources to help you strengthen your applications: https://pathwaystoscience.org/Undergrads.aspx.

If you are considering graduate school, search 250+ FULLY FUNDED graduate programs in a variety of disciplines, and view resources on applying: https://pathwaystoscience.org/Grad.aspx.

If you need help finding a program that's a good fit, please feel free to email Liv Detrick, Senior Advisor, The Institute for Broadening Participation (IBP), at ldetrick@ibparticipation.org for assistance. You can also follow us on Facebook for program deadlines and updates. ■

AN UPDATE FROM THE LOCAL CHAPTER AFFAIRS COMMITTEE



During the Local Chapter Breakfast at the AMS 99th Annual Meeting, the Local Chapter Affairs Committee (LCAC) highlighted a few local chapter benefits provided from national AMS. Below, all of the materials are explained in detail. To start taking advantage of these benefits, contact any of the LCAC board members at amschaps@ametsoc.org or the AMS Liaison Jordan Stillman at jstillman@ametsoc.org.

Science Fair Certificates

"Certificates of Outstanding Achievement" are available through AMS Headquarters free-of-charge for those chapters that are involved in science fairs. If you would like to order certificates, please contact Katelyn Angland (kangland@ametsoc.org). You can also print the certificates online at https://www.ametsoc.org/ams/index.cfm/about-ams/ams-local-chapters/science-fair-certificates/science-fair-award-certificate.

We also encourage you to submit a summary of winners when the fairs have ended. The summary should be forwarded to Erica Callahan (ecallahan@ametsoc.org) and include the name(s) of the fair winner(s), school and grade attended, project title, project description, and award won.

Electronic Letterhead

Letterhead can be downloaded from the Chapter web pages: https://www.ametsoc.org/ams/index.cfm/about-ams/ams-local-chapters/electronic-chapter-letterhead-template.

Physical Mailing

AMS will sponsor one physical chapter mailing per year. Please send two copies of the mailing along with a range of zip codes for the chapter area. It is advised that the information be sent to Headquarters at least three weeks prior to the requested mail date.

Digital Mailing

AMS will also now send out one digital marketing mailing to members from a specific region on your behalf. Just compose the message and send it to Jordan Stillman (jstillman@ametsoc.org), who will arrange for the mailing.

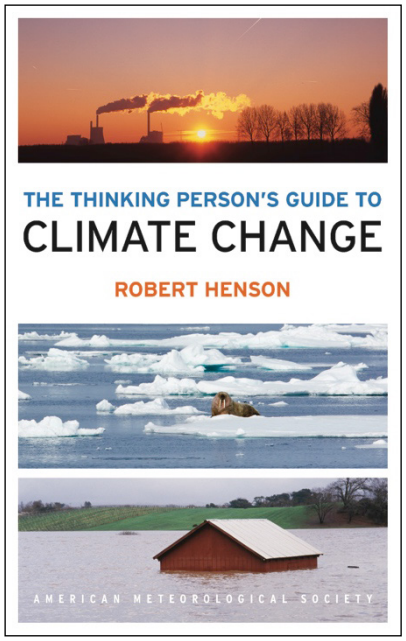
AMS Website Space

The Society allows chapters up to 1 GB (1000 MB) of disk usage. Additional disk usage will be allocated on a case-by-case basis. The AMS does not support scripting tools at this time. If you are interested in starting a Chapter website, please contact Brian Mardirosian (bmardirosian@ametsoc.org) for a web address and password. ■

LOCKHEED MARTIN STEM SCHOLARSHIP

The Lockheed Martin STEM Scholarship is now accepting applications. Please find more information online. ■

NEW RELEASES FROM AMS BOOKS!



The Thinking Person's Guide to Climate Change

by Robert Henson
©2019, 570 pages, paperback
ISBN: 9781944970390
List price: $30 AMS Member price: $20

Figures for lecture slides available at bookstore.ametsoc.org

EXPANDED AND UPDATED from the first edition and combining years of data with recent research, this accessible guide breaks down climate change into straightforward categories: the basics, the symptoms, the science, and solutions and actions. With a scientist's understanding and a journalist's voice, author Bob Henson has expanded this well-known primer to include global record highs, new research across the spectrum, and the Paris Agreement to cut greenhouse gasses.

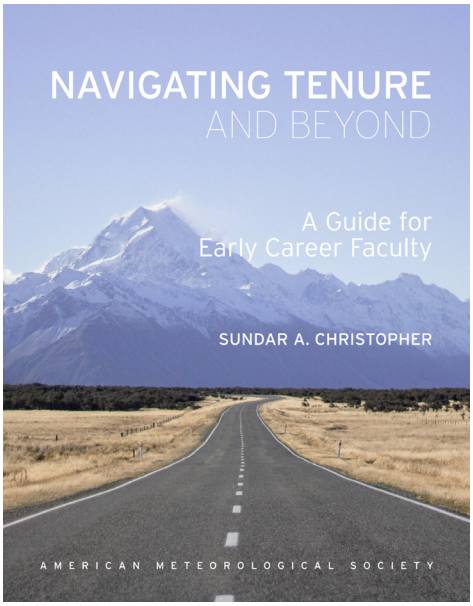
It remains a much-used reference for providing the most comprehensive, yet accessible, overview of where climate science stands today, acknowledging controversies but standing strong in its stance that climate is changing—and we must respond.

"Much has been published on climate change in recent years, but nothing as clear succinct, comprehensive, and readable as Bob Henson's handy volume."
—David Laskin, Author of *Braving the Elements* and *The Children's Blizzard*

ROBERT HENSON is a meteorologist and writer at The Weather Company. His other books include *Weather on the Air: A History of Broadcast Meteorology,* also published by the American Meteorological Society.

AMS BOOKS
RESEARCH APPLICATIONS HISTORY

Books from the American Meteorological Society:
bookstore.ametsoc.org • 617-227-2426 x686
Booksellers and wholesale distributors, order via The University of Chicago Press:
(800) 621-2736 (US & CAN) • (773) 702-7000 • custserv@press.uchicago.edu



Navigating Tenure and Beyond

A Guide for Early Career Faculty

by Sundar A. Christopher

© 2019, paperbound, 192 pages
ISBN 978-1-944970-43-7
AMS Member price: $20
List price: $25

Available wherever books are sold. AMS Members receive discounts and free shipping at bookstore.ametsoc.org.

In this early career reference guide, Sundar A. Christopher covers how to reach tenure through service, research, and teaching while empowering your graduate students and maintaining balance between your career and personal life. He uses his own experience and hypothetical situations to illustrate best practices in goal setting, developing leadership amid institutional politics, and mentoring. With a strong focus on research and tenure application, this is the guide Dr. Christopher wishes he had when he was navigating tenure, and it will be a key companion in many future professors' development.

Dr. Sundar Christopher is Dean of the College of Science and Professor of Atmospheric Science at the University of Alabama in Huntsville. His research interests include studying the role of aerosols on air quality and climate using various satellite datasets. He has served as principal investigator on numerous grants and contracts and has published extensively in national and international journals. He enjoys teaching and mentoring students and faculty. His book *Navigating Graduate School and Beyond* is widely used to train and mentor graduate students.

AMS BOOKS
SCIENCE HISTORY SOCIETY

Books from the American Meteorological Society:
www.ametsoc.org/bookstore • 617-227-2426 ext. 686
Booksellers, groups, or for desk copies, contact The University of Chicago Press:
(800) 621-2736 (US & CAN) • (773) 702-7000 • custserv@press.uchicago.edu

AMS CERTIFICATION PROGRAM UPDATES

AMS now has an online application portal for both the Certified Consulting Meteorologist (CCM) and Certified Broadcast Meteorologist (CBM) Programs. Candidates may now upload all their materials and pay through the online application system.

In addition, there have been some revisions to the CBM educational requirements as of January 2019. If you are in the process of taking courses for the CBM Program, or you are a professor or faculty advisor, please make note of the changes. Updates may be found under the 'Eligibility Requirements' tab from the CBM web page. ■

CALL FOR SYNOPTICS PHOTOS

Have you seen Synoptics, the back page of *BAMS* featuring AMS Community Snapshots? If you haven't, check it out to see all the cool things AMS community members are doing. We're looking for more snapshots to highlight members in action through single photos. If you have a photo you think fits the bill, please send with identifying information to synoptics@ametsoc.org and we'll get back to you on possible publication in *BAMS*. ■

2019 WASHINGTON FORUM

The 2019 Washington Forum will take place on 27–29 March 2019, in Washington, DC, AAAS Building. Find out important dates and accommodation info here.

Register for the 2019 Washington Forum at https://www.ametsoc.org/meet/atreg/ and reserve your hotel at the Marriott Metro Center now! To receive our special rate, click here to make a reservation or call 1(800) 228-9290. ■

UPCOMING AMS MEETINGS

27–29 MARCH 2019 WASHINGTON, DC
2019 AMS Washington Forum

19-23 MAY 2019, BOULDER, CO
15th Conference on Polar Meteorology and Oceanography

JUNE 12-14, 2019, SAN DIEGO, CA
47th Conference on Broadcast Meteorology/Fifth Conference on Weather Warnings and Communication

JUNE 24-28, 2019, PORTLAND, MAINE
22nd Conference on Atmospheric and Oceanic Fluid Dynamics

29 JULY – 1 AUGUST 2019, SAVANNAH, GA
18th Conference on Mesoscale Processes

16 – 20 SEPTEMBER 2019, NARA, JAPAN
39th International Conference on Radar Meteorology

28 SEPTEMBER – 04 OCTOBER 2019 BOSTON, MA
2019 Joint Satellite Conference ■





100 YEARS OF AMS

AMS wants to include all members of our community in the Centennial celebration! Chapters are encouraged to join in – download the Centennial Quick Start Guide for ideas on how to get involved in this milestone event. From contests to social media campaigns and many other activities, there are so many ways to participate in this year-long celebration! To get you started, every chapter should have received an AMS Centennial Banner (distributed at the Annual Meeting; if you haven't yet received your banner, please reach out). Throughout the year, take photos with your banner or #IamAMS t-shirts and share them on Instagram and Twitter with the hashtag #AMS100. ■



Local Chapter Mission

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.

Committee Leadership

Amber Liggett, Chair
Kristofer Tuftedal, Chair-Elect
Jordan Stillman, AMS Liaison

AMS Headquarters

45 Beacon St.,
Boston, MA 02108

Follow Us on Facebook and Twitter

www.facebook.com/AMSLCAC
@AMSLCAC

AMS Local Chapter Affairs

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.