



NWA NEWSLETTER

January 2017
No 17 - 1

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The NWA: Connecting operational meteorologists in pursuit of excellence in weather forecasting, communication and service.

Building Up Our Foundation

The National Weather Association Foundation is only a few months old and has already raised over \$18,000 in donations. This is an exciting beginning for the foundation, which will be offering scholarships, grants and weather education. The Foundation currently offers seven scholarships and two grants. It is not too late to become a founding donor, just send your donations to the National Weather Association Foundation at 3100 Monitor Ave #123, Norman, Oklahoma, 73072, or [donate online](#).

If you have any suggestions of outreach programs that the Foundation should become involved in, or you wish to serve on one of the Foundations committees, please contact us at nwahelp@nwas.org. We are looking for volunteers.

[See page 8 for two recently named scholarship winners.](#)

NATIONAL
WEATHER
ASSOCIATION
FOUNDATION

NWA Annual Awards

We invite you to nominate individuals, teams or organizations whose outstanding efforts in operational meteorology and related sciences deserve special recognition.



The [online submission form](#) is always open, but the submission deadline for the 2017 Annual Meeting is June 6. Submissions received after that will be in contention for the 2018 awards.

The Awards Committee needs submissions from you in order to pick winners, so please share with us some of the great work being done out there.



THANK YOU

The NWA would like to sincerely thank everyone for their generous contributions in the year 2016

These donations help support the general operations of the NWA along with supporting the NWA grant and scholarship program





The Central Iowa NWA Chapter
now has two scholarships open
for applications until
March 3

ATTENTION STUDENTS!
March 3 Deadline

The [Central Iowa Chapter](#) of the National Weather Association has two scholarship opportunities for you with a deadline of March 3.

(click titles for details):

- [Pam Daale Memorial Scholarship in Broadcast and Operational Meteorology](#)
- [Tim Samaras Memorial Scholarship in Research Meteorology](#)

Links to these scholarships can also be found at the bottom of our [scholarships page](#).

NEW NWA MEMBERS

Please welcome these members who joined the NWA in December 2016!

Regular Members:

Jacqueline Layer
Mark Paquette
TJ Pignataro
Cory Reppenhagen
Abigail Robertson
Andrew Spier

Student Members:

Patrick Cassat
Heather Dulaney
Jared Fauque
Houston Green
Ryan Hickman
Alex Morrison
Melinda Pullman
Jacob Spender
Katherine Storrick
Matthew Tuftedal

NWA's Newest Chapter: From Foundation to a California Annual Meeting

January President's Message
Gail Hartfield, January 2017

Hello, everyone! I am so blessed and honored to serve you as your president for the upcoming year—a year that promises to be yet another exciting one for the NWA.

The National Weather Association Foundation is still in its infancy, but we will work closely with its leadership to help it grow and thrive. We look forward to curating our new NWA website and developing it into a premier portal for sharing information on NWA activities, member news, meetings and events, scholarship and grant opportunities, and more. And we will share fantastic new tools, views, ideas, discoveries and innovations via the Annual Meeting, Newsletter, website, social media, and the Journal of Operational Meteorology. All of this will be facilitated by our top-notch Executive Director and her staff, along with scores of smart, energetic volunteers on the committees, teams and Council, all operating together to make this a truly homegrown, unique and strong organization.



I became part of the NWA universe in the mid 1990s, and since that time it has enriched my life immensely, both personally and professionally, in immeasurable ways. Through my NWA involvement over the years, I have met and become friends with so many wonderful people from all sectors of the weather enterprise who share common goals: pursuing excellence in operational meteorology and sharing their enthusiasm about the weather. Only here can you collaborate so closely with operational-minded academia, NWS and other public-sector forecasters, broadcast meteorologists, private-sector meteorologists, and social scientists to advance the science of weather and climate and, in the process, gain an understanding of the values of each of our contributions.

It was very early in my career that I first heard about the concept of research-to-operations, and I quickly developed an appreciation for the importance of deep connections among meteorological researchers, operational forecasters and broadcasters, and the people and entities that we serve, all working together in a circular process chain. Researchers provide relevant study results to those creating warnings and forecasts as well as to those charged with conveying this information to the public and other user groups in clear and tailored ways; the needs of these users then help inform the research and the process begins anew. It is within this process that we find another common thread: we all put science to work as we serve each other and the public. Each of us cannot achieve maximum success without work and engagement with others in the weather enterprise.

This teamwork, and the resulting service, is what the NWA is all about. It's the driving force behind this year's theme, Putting Science into Service, which encapsulates the ideas of collaboration and partnerships, of exploring the science and applying it to improve not only forecasts and warnings but how society uses weather information. You will be able to experience this theme at work throughout the year and at the 2017 Annual Meeting, which will take place in Garden Grove, California, in September. This meeting is in the hands of our terrific Program Chairs, Todd Lericos and Miles Muzio, and countless volunteers.

Before wrapping up this month's message, I want to offer my deepest thanks and appreciation to our outgoing President, David Freeman, who over the last year has brought wisdom, leadership, kindness, and thoughtful guidance to the NWA helping to make it better than ever. I look forward to continuing our endeavors and helping to facilitate new ones. And I look forward to engaging with all of you in the coming year as we continue to grow the NWA into the premier organization for operational meteorologists.



2017 Election Results

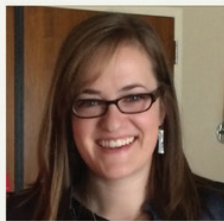
Congratulations to the new officers and councilors,
and thanks to all the candidates.



President-Elect 2018
Alan Sealls



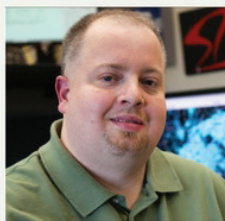
Treasurer 2017-2018
Lans Rothfusz



Councilor 2017-2019
Christina Crowe



Councilor 2017-2019
Gina Eosco



Councilor 2017-2019
Jared Guyer



Councilor 2017-2019
Jon Zeitler

The individuals above join
the following NWA Council
members in leading your
association:

President: Gail Hartfield-Supina

Immediate Past President: David
Freeman

Vice-President: William Murray
Secretary: Randy Graham

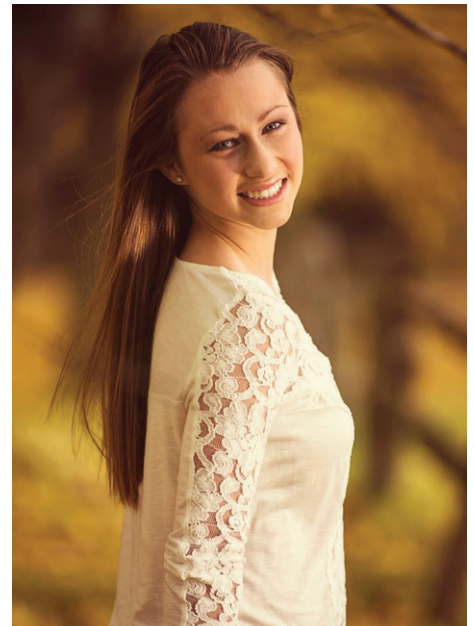
Councilors:
Trisha Palmer
Todd Lericos
Pat Spoden
Nick Walker
Susan Jasko
Nate Johnson
Jennifer McNatt
Greg Stumpf

Student Councilor: Sarah
Trojniak

Bob Glahn Scholarship

Mackenzie Nuthals of Green Bay, Wisconsin, is the winner of the 2016 Bob Glahn Scholarship in Statistical Meteorology. Mackenzie is a senior at the University of Wisconsin-Milwaukee (UWM).

Mackenzie has maintained a high GPA during her undergraduate studies and has been the recipient of numerous scholarships and awards. She serves as the president of the Atmospheric Science Club at UWM, and remains active both on and off campus with extracurricular activities and internships. Mackenzie has a passion for learning and applying the statistical idea of "probability versus possibility" in weather forecasting, and will earn a minor in actuarial science when she graduates in the spring. She plans to actively seek training that will allow her to pursue a career at the forefront of risk assessment.



Submit your
abstract by
March 9

THE NWA 2017 ANNUAL MEETING
IN GARDEN GROVE, CALIFORNIA
SEPTEMBER 16-21, 2017



"Putting Science into Service"



The 42nd NWA Annual Meeting

Hyatt Regency Orange County

Garden Grove, California

September 16 - 21, 2017



Important Dates

- Abstract Submission Deadline: March 9
- Oral and Poster Presenters Notified: late April
- Preliminary Agenda Posted On-line: Summer 2017
- NWA Annual Meeting: September 16-21

"Putting Science into Service"

Every day, operational meteorologists put their knowledge and understanding of the science of weather, climate, and related fields to work, in service to a wide variety of partners and users. They work together in a circular process chain – with researchers providing relevant study and modeling results to those creating warnings and forecasts and to those charged with clearly conveying this information to the public and other users, in order to help them make crucial weather- and climate-dependent decisions.

The needs of these users then help inform the research, and the process begins anew. Within this process, achieved through strong partnerships among all entities within the weather enterprise, operational meteorologists apply the science to solve weather- and climate-related problems, benefit society, and fulfill countless weather and climate needs.

Program Committee Co-Chairs

Todd Lericos
NOAA National Weather Services
Las Vegas, NV

Miles Muzio
KBAK-TV
Bakersfield, CA

Broadcaster Meteorology Workshop Program Chair

Mike Goldberg
WTVR-TV
Richmond, VA

[Click for program chair contact info](#)

Schedule of Events

- Broadcast Meteorology Workshop: Sunday, September 17
- Ninth Annual Student Session including Speed Mentoring: Sunday, September 17
- General Sessions: Monday-Thursday, September 18-21
- NWA Annual Awards Luncheon: Wednesday, September 20

Abstract Submission

The Committee is looking for session presentations or posters to be considered for the meeting; they must be submitted via an abstract. This document should be short, but contain enough information to allow the conference organizers and attendees sufficient understanding of what the author intends to express. It must contain an introduction, body and conclusion. Points to be addressed are your motivation (why are you writing the paper), your issue (what the subject is), your approach (how you resolve the issue), your result, and finally your conclusion.

Presentation Relevance to Conference Theme

Each year the Annual Meeting has a specific theme chosen by the NWA President. Below is a generalized list of theme components for this year's meeting. In addition to the traditional sessions (e.g. severe weather, winter, flooding, etc.), the Program Committee is specifically soliciting abstracts that relate to one of the following theme components. If your submission fits one or more of the following, please select all that apply.

- Putting science into service
- Vulnerable populations (public safety and environmental threats)
- Progress in weather services (science in service advancements)
- Innovations in observational methods and applications (new atmospheric monitoring)
- Partnerships in the weather enterprise (alliances and team building)

Abstracts will be vetted by the conference program committee. Successful submissions will be evaluated on quality, uniqueness and public interest. [Click for more on abstracts including this year's theme components and how to submit.](#)

Q&A with Trevor Boucher, Social Media Committee Chair

Grant Tosterud, NWA Student Intern

This is part of a series of interviews with our NWA committee chairs. This interview was conducted by Grant Tosterud, our NWA student intern, with the chair of the Social Media Committee, Trevor Boucher.

What does the Social Media Committee do, and what are the different aspects and roles of your committee?

We have several tasks that we perform regularly:

- Post NWA-related news and updates on various social media outlets (e.g., Facebook, Twitter, LinkedIn, Instagram, YouTube, and Periscope).
- Provide social media support to the annual meeting (live-streaming, tweeting, slide support, etc.)
- Promote Weather-Ready Nation.
- Highlight local chapter news.
- Inform the weather community of new publications and professional development opportunities (JOM articles, Webinar Wednesdays, etc.).
- Support NWA sponsors.

What are the committee's goals?

Our goals are to:

- Provide top-notch social media support for the annual meetings
- Stay on top of latest social media trends/changes and utilize the new technologies.
- Incorporate Snapchat in 2017.
- Support and promote NWA committees.

What are the biggest projects your committee is working on?

We are beginning a Snapchat presence, revamping our committee webpage, and bringing on board new members that can help us do these things. We may also suggest a special remote session at next year's meeting for our presenters who can't attend.

What is the biggest challenge your committee faces?

The single biggest challenge of the committee is time. Managing multiple social media outlets requires a lot of time, especially with our large following. In a profession where weather often gets in the



way, it can be tough to manage all of our outlets while many members also manage personal and work social media accounts, work varying times of the day, and contend with the weather.

At the annual meetings, the busiest week of the year for many committees, it can be especially difficult to find volunteers to support all the things we do. Last year, the committee members did their best to tweet each presentation, manage the twitter wall between sessions, live-stream poster and keynote presentations, and generate Storify summaries each day. We did this with four people at the meeting and an additional two to three helping out remotely.

What is the greatest strength of your committee?

I think the greatest strength of the committee is our teamwork. Members are given specific areas of focus so everyone knows what their role is and how it fits into our overall goals. Some members are responsible for Webinar Wednesday support, some for WRN promotion, some for local chapter support, and some for JOM promotion. Using this division of duties, we don't duplicate efforts and content is fresh nearly every day.

What have you learned serving as a committee chair?

Don't try to do everything yourself. When I inherited the committee in January 2016, we had many committee vacancies. Thus, only a few of us were available to do the many committee functions and to come up with new ideas. It didn't take long for me to realize I couldn't tweet and post everything myself nor respond to questions or comments 24/7. That's why our committee makes a point to recruit individuals that understand what is involved in managing social media accounts with large followings.



A monthly look at interesting news factoids and stories from around the globe. Click titles for details!

[Blown Away](#)

Sorry, Chicago. Nashville was the USA's windiest city in 2016

[Add it UP!](#)

The Huge Costs of Weather Damage in 2016

[A True Lighting Rod](#)

Lightning, Weather's Byproduct, May Become One of Its Predictors

[Follow the Money](#)

What winter weather (or a lack of it) means to our finances

Journal of Operational Meteorology



This month marks the four-year anniversary of the JOM. In January 2013, the NWA Digest and the NWA EJOM merged into the all-electronic journal.

[The National Weather Digest](#) – published from 1976 to 2012

[The NWA EJOM](#) – published from 2000 to 2012

During these four years, the JOM has had a total of 73 publications. The JOM transitioned to an open access journal in early 2016. As such, [all articles, are available free of charge](#). Published by the NWA, JOM covers topics relevant to all aspects of operational meteorology on a range of time and space scales.

There are four categories of JOM publications: Article, Short Contribution, Images of Note and Commentary.

Suitable topics include new or improved forecasting and warning techniques, verification studies, applications of observations and models to improve forecasts and warnings, and case studies of major weather events. Climatological studies, interdisciplinary studies, and studies documenting education and training practices also will be considered if relevant to operational meteorology. In addition, the editors welcome submissions that present strategies for the creation and dissemination of forecasts and warnings that maximize the protection of life and property.

JOM is a peer-reviewed journal with an international scope, providing authors with the benefits of economical publication costs and rapid publication following acceptance.

Thank you to the JOM authors, reviewers and editors for continuing to make JOM a success. [Visit the JOM page](#) for more information about JOM and instructions on how to submit articles.

THE NATIONAL
WEATHER
ASSOCIATION
42ND ANNUAL
MEETING

PUTTING SCIENCE INTO SERVICE

GARDEN GROVE, CALIFORNIA
SEPTEMBER 16-21, 2017

ABSTRACTS DUE MARCH 9



#NWAS17
NWAS.ORG

NWA Committee Chairs 2017

Commissioner of Committees:
Frank Brody
(non-voting appointed member of
the NWA Council) -

Awards Committee:
Jeffrey Evans

Diversity Committee:
Faith Borden
Jennifer Hogan

Nominating Committee:
Alan Sealls

Remote Sensing Committee:
Frank Alsheimer

**Specialized Operational Services
Committee:**
Richard Okulski

**Annual Meeting 2017 Program
Committee:**
Miles Muzio
Todd Lericos

Broadcast Meteorology Committee:
Nate Johnson

Education Committee:
Jeffrey S. Tongue

**Professional Development
Committee:**
Trisha Palmer
Becca Mazur

Social Media Committee:
Trevor Boucher

Strategic Planning Committee:
Nezette Rydell

Aviation Meteorology Committee:
Jim Reynolds

**Membership and Marketing
Committee:**
Bruce Jones

Local Chapters Committee:
Cathy Zapotocny

Publications Committee:
Chris Schultz

**Societal Impacts of Weather and
Climate Committee:**
Jen Henderson

**Weather Analysis and Forecasting
Committee:**
Dan Gallagher

For full contact information please go to the [NWA Committees web page](#).

You're On Social Media... So Are We!



THREE RIVERS NWA CHAPTER QUARTERLY NEWS: OCTOBER - DECEMBER

California University of Pennsylvania (Cal U)

Steven Shrenkel, Secretary

The Three Rivers Chapter of the NWA takes pride in its success and service through our members' involvement in conferences, educational outreach, our colloquia series, social events, internships and research.

CONFERENCES AND EDUCATIONAL TRIPS:

Nine student members were selected to attend the American Meteorological Society 97th Annual Meeting in Seattle, Washington, January 22–26. To be eligible for selection, students were required to submit an application with a cover letter and resume to our organization's advisor. They were also required to dress professionally at a chapter meeting in order to be considered. Some of the students out of the nine selected to go were also chosen for the work study position through AMS. They will be working alongside professionals in the field during the conference.

Educational trips are also very important to the Three Rivers Chapter. One of the main educational trips chapter members took this year was to the Pittsburgh NWS office, located in Moon Township, Pennsylvania. While there, chapter members saw what it would be like to work for the NWS. They also participated in a weather balloon launch and watched the real-time data being collected.

EDUCATIONAL OUTREACH:

On November 14, a member of our educational outreach committee, Aaron Haegle, visited California Area Middle School in Coal Center, Pennsylvania. He talked to students about general earth science education and about the potential career options associated within the field.

COLLOQUIA SERIES:

Jason Levit from the Cooperative Institute for Research in the Atmosphere in Arlington, Virginia, came to Cal U on November 18 to give a talk about careers in the atmospheric sciences. He discussed his experiences in trying to get a job in the field, the importance of having computer programming skills, how today's politics influence the job market, and the outlook for potential atmospheric science careers in the future. Jason also described how important it is to be well-rounded and acquire as many skills as possible for success in the field. He examined the chances that someone with an undergraduate degree could land a position with the NWS and the possibility of obtaining a career in computer programming before getting one in atmospheric science.

On Monday, November 21, Dr. Jamie Mitchem from the University of North Georgia in Dahlonega, Georgia, spoke at Cal U. Dr. Mitchem gave an informative talk on meteorological hazard communications. He focused on various extreme weather events that required great communication techniques from meteorologists to the public. He used case studies such as Hurricane Matthew for his observations. Dr. Mitchem also discussed what he found to be ineffective warnings being put out when an extreme weather event was to occur and how we can prevent such communication in the future. This presentation could be streamed via our organization's Periscope.

SOCIAL EVENTS:

The Three Rivers Chapter had two social events during this quarter. The first was on November 20, at Chapter President Rachael Hough's house. This event was our organization's "Friendsgiving" where everyone brought a dish to share and celebrated Thanksgiving. The second social event was our "winter social" on December 9, at Meloni's Restaurant in Uniontown, Pennsylvania. Chapter members met at Meloni's to enjoy catered food and each other's company to wind down at the end of the semester.

FUNDRAISING:

Fundraising continues to play a crucial role in the Three Rivers Chapter's success. Student members continue to raise money in various ways. Sarris Candies were sold as a fundraiser to profit the organization. Another fundraiser this year is our hot chocolate/coffee bar. Every weekday from around 8 a.m. to 1 p.m., members of the chapter raise money by selling various types of coffee and hot chocolate for \$1. All of our members work shifts throughout the week to ensure this fundraiser's success. At the table, we also sell our organization's Clif and candy bars. The hot chocolate/coffee bar will run through most of the spring semester and will be extremely beneficial to maintaining the chapter's successes.

PHILANTHROPY:

Philanthropic events allow our chapter members to give back to the communities and volunteer in any way that they can. One of our philanthropic events involved the Washington Area Humane Society, located in Washington, Pennsylvania. On November 5, four chapter members went to the Washington Area Humane Society for the day. Adam Andresen, Rachael Hough, Kaitlyn Moffett, and Amy Burnett volunteered throughout the day, helping take care of the animals there.

Pike and Phillip Family's Scholarship Recipients Named

The National Weather Association Foundation is pleased to announce the selection of two new scholarship winners.



Matthew Beckwith from the University of Missouri has been chosen to receive the 2016 Arthur C. Pike Meteorology Scholarship. Matthew is an atmospheric sciences student, with a minor in journalism. In addition to participating in on-campus weather and broadcasting groups, he is also a weather intern at KOMU in Columbia. After college, Matthew plans to pursue a career in broadcast meteorology. He is dedicated to communicating weather in an effective and meaningful way.



The recipient of the 2016 NWA Phillips Family Undergraduate Meteorology Scholarship is **Cameron Paquette**, a junior at SUNY - Albany. Cameron is studying atmospheric science, with a minor in mathematics. He has been named to the Dean's List three times, and is active in Phi Theta Kappa and the American Meteorological Society. Cameron enjoys forecasting, and has volunteered with the National Weather Service office in Albany. He hopes to continue working toward a career that will allow him to serve society by solving problems and mitigating disaster impacts.

[Click for more on the NWA Foundation Scholarship and Grants](#)

PROFESSIONAL DEVELOPMENT

NWA Sponsored Meetings, Conferences & Special Events in 2017

(Click titles for more information)

[March 10-12: 42nd Northeastern Storm Conference](#)

Saratoga Springs, New York

[March 30-April 1: 21st Severe Storms & Doppler Radar Conference](#)

Ankeny, Iowa

[Spring: Southeast Severe Storm Symposium](#)

[September 16-21: NWA 42 Annual Meeting](#)

Garden Grove, California

[October 25-27: FLASH Annual Conference](#)

Atlanta, Georgia

Other Meetings, Conferences & Special Events in 2017

[February 13: Disaster Symposium](#)

Oklahoma City, Oklahoma

[February 14-15: National Tornado Summit](#)

Oklahoma City, Oklahoma

[February 17-19: ChaserCon](#)

Denver, Colorado

[March 3-4: 2017 Texas Weather Conference](#)

Austin Texas

Seal holder CEU opportunity!

[April 5-9: National Tropical Weather Conference](#)

South Padre Island, Texas

[April 17-20: National Hurricane Conference](#)

New Orleans, LA

Newsletter Submissions



We welcome articles from members. Send to: nwanewsletter@nwas.org by the 15th of the month for publication in the following month's edition at the earliest. Newsletter info and a link to author guidelines can be found at: nwas.org/newsletter/instructions-for-authors/.

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[Treefrog Resources](#)

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Members receive the Apex award-winning Newsletter online and access to an online portal which includes the Journal of Operational Meteorology as part of their regular, student or corporate membership privileges.

Address, phone number, email and affiliation changes can now be made online: member.nwas.org.

