



NWA NEWSLETTER

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IMPORTANT DATES

September 15
Last day for discounted Annual Meeting registration and exhibit booth prices ([see page 8](#))

October 17 – 22
40th NWA Annual Meeting
([see page 7](#))

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

Join us in Oklahoma City!

Liz Page, NWA President

As you will see throughout this edition of the newsletter, we are preparing for the 40th NWA Annual Meeting, which is being held in Oklahoma City, Oklahoma. Festivities are planned for a packed, fun-filled week during which we will exchange ideas, research results, best practices and advice while networking with hundreds of our colleagues.

If you haven't attended an annual meeting before, I highly encourage you to consider attending this one. The NWA is a unique organization with a focused mission that touches all facets of

the weather enterprise. This meeting provides a fantastic opportunity for you to interact with people not only with jobs similar to yours, but others from a wide variety of roles dedicated to improving operational meteorology.

Please also consider arriving early for some of the weekend's events. Check out the schedule for a wide variety of activities including the annual golf outing, and many other opportunities described in this newsletter.

I look forward to seeing you in Oklahoma City!

Research Operations Nexus (RON) Meetup – Honoring the Legacy of Ronald W. Przybylinski

Co-facilitators: *Lans Rothfus, Greg Stumpf, Susan Jasko, Harold Brooks, Keli Pirtle, Alan Gerard, Pat Spoden, Bruce Thomas, John Ferree and Patrick Marsh*

As an operational meteorologist, have you ever thought, "I have this really great idea to improve weather forecasting and decision support, but I need someone to help with its science, research and/or development?" As a research meteorologist, have you ever thought, "I have this really great idea to improve weather forecasting and decision support, but I need to make sure it is meaningful and useful to operational forecasters?" You have? Then we have an opportunity for you.



Ron Przybylinski (center, sitting) during the 2008 Experimental Warning Program spring experiment, where he evaluated and provided feedback on the very first incarnation of Forecasting a Continuum of Environmental Threats (FACETs), the Probabilistic Hazard Information (PHI) prototype.

One of the many legacies that Ron Przybylinski left us was his unending motivation to interconnect weather operations and research in strong and enduring ways. Ron was a master in the transition zone, or nexus, of operations and research. He would often ask the above questions of his research colleagues. And the research interactions with Ron actually led to large field projects that provided great benefit both to operations and the general knowledge.

This year, [the NWA Annual Meeting](#) will provide the opportunity for an interactive "meetup" between research and operational meteorologists. The groups

will rotate through a number of stations in speed-mentoring fashion and discuss a variety of ideas and themes that could benefit forecast and warning operations. The goal is simple: to plant and water the seeds of collaboration between folks from the two groups, which we hope will germinate during the meeting week and blossom beyond the conference itself. Anyone with an interest in strengthening the connection between research and operations is welcome.

The RON Meetup will take place during the Annual Meeting on Sunday, October 18, from 5:30-7:30 p.m. (location TBD). Hors d'oeuvres and a cash bar will be provided. While the other events on Sunday require a paid registration, the RON Meetup is free. You can sign up for the Meetup along with the other events on Sunday when you register for the Annual Meeting. If you've already registered for the Annual Meeting but did not register for the Meetup, want to attend the RON Meetup but no other sessions on Sunday, or need more information, please contact co-facilitator Greg Stumpf (Greg.Stumpf@noaa.gov).

40th NWA Annual Meeting Events

Speed Mentoring

Students and early career professionals: want to talk to and connect with experienced and passionate meteorologists? Then join us for a fun and informational speed-mentoring event.

The NWA is excited to announce that the Fourth Annual Speed Mentoring Session will be offered on Sunday, October 18, from 3:30–6 p.m. This event is focused on and designed to benefit students and early career professionals, and a must for anyone looking to build their network and receive valuable career advice. Students will have the opportunity to meet with professionals with a wide variety of experiences in many different meteorology sectors including NWS, broadcasting, private, military, and academia. Small groups of students will have the opportunity to ask a diverse group of mentors questions and get to know professionals in and outside of their area of interest. The session will conclude with dinner and informal networking.

We encourage students to keep updated via NWA social media platforms, as information and profiles of mentors who will be participating will be shared as the event approaches. Don't miss this great chance to jump start your career as a meteorological professional.

If you want to find out more about this event or are interested in becoming a NWA mentor, please contact Ken Carey at ken.carey@ertcorp.com.



Mentors and students discuss career advice at the 39th NWA Annual Meeting Speed Mentoring event.

TEACH
encourage
instruct
MENTOR
PRAISE
influence
GUIDE
INSPIRE



A 2014 Master Class student participant examines a composite chart manual analysis completed by subject matter expert, Greg Carbin (NOAA/NWS Storm Prediction Center).



Speed Mentoring Session

For Students & Early Career Professionals

NWS

Broadcast

Private
Sector

Military

Academia

During the 8th Annual Student Session
Sunday, October 18th

30+
Mentors

3:30-6:00 PM

Network and Create
New Relationships



Image Courtesy of the Oklahoma Convention and Visitor's Bureau

Weather and Forecasting Master Class

WAF Committee

For students that are attending this [year's Annual Meeting](#) in Oklahoma City, the Weather Analysis and Forecasting (WAF) Committee will once again be sponsoring a WAF Master Class. If you did not attend the Master Class last year, it provides students with an opportunity to interact with NWS meteorologists while gaining a better understanding in forecasting high-impact weather. This year's Master Class will be held on Sunday, October 18, during the Student Workshop.

The Master Class will feature subject matter experts Patrick Burke from the National Centers for Environmental Prediction Weather Prediction Center and Fred Glass from the NWS Forecast Office in St. Louis, Missouri. There will also be 10 Master Class facilitators representing every CONUS region including NWS National and Regional Headquarters.

The main objectives of the interactive Master Class are to understand the importance of surface and upper-air manual analysis, discuss using conceptual models and pattern recognition, analyze forecast guidance and diagnose the weather threat using the forecast funnel.

In order to keep group discussions small, space will be limited to the first 60 students that [register using this form](#). If you are interested in attending this very popular event during the 2015 NWA Student Workshop, do not hesitate and register today.

Weather and Climate Change: Pieces of the Same Puzzle

Broadcasters who are registered for the NWA Annual Meeting in Oklahoma City will earn one CEU for their participation in a Saturday, October 17, half-day weather and climate change workshop held at the Oklahoma City Convention Center, site of the NWA Annual Meeting. Underwritten by a grant from the National Science Foundation to George Mason University, the program will offer workshop attendees up to \$215 to cover the additional day's related lodging and meal expenses. There is no course registration fee.

This afternoon course will focus on the state of the science concerning the connection between climate change and severe storms, including frequency and severity. It will also focus on how TV weathercasters have been covering local climate change stories, on air, online and in social media. One of a series of ongoing national and regional weather and climate programs, the course is the first targeted specifically for NWA broadcast meteorologists.



Beginning with a hosted box lunch at noon, the session will include keynote presentations and Q&As with Colorado State University atmospheric sciences professor Scott Denning and with NOAA National Severe Storms Laboratory severe weather expert Harold Brooks, from Norman, Oklahoma. The two will offer expert insights on a full range of climate science and related weather issues, especially current science on the relationship between a warming climate and weather anomalies. A panel of TV weathercasters moderated by Climate Central meteorologist Bernadette Placky, a former Baltimore TV meteorologist, will provide practical insights on how they are breaking new ground in their expert reporting on weather and related climate change issues. Veteran broadcast meteorologist and NASA consultant Joe Witte will offer pointers and provide resources on weather and climate visualization materials and tips on most effective ways to use them.

Additional information about the course program, including eligibility for the \$215 stipend, is available from Bud Ward at wardbud@gmail.com. General questions about the NWA Annual Meeting and registration can be sent to nwahelp@nwas.org. You may register for the course when registering for the NWA Annual Meeting.

Supporting Women in Atmospheric Science Luncheon

Are you planning on attending the 40th NWA Annual Meeting in Oklahoma City? Are you looking for an interactive lunch opportunity on Tuesday? Come show your support for Women in Science by attending our fourth annual luncheon on October 20. You can sign up for the luncheon while pre-registering for the annual meeting, or sign up at the registration table during the conference. Payment for lunch can be made at the meeting.

This year's topic is "The Importance of Mastering Body Language." Two potential discussion topics include handling those first few seconds of a presentation when the audience is making critical judgements about you, and how men tend to command their space but women tend to make themselves small. Even though the discussion will be geared towards women and how they can make improvements to show more confidence, the lively discussion is open to all. This luncheon is also a great opportunity to network, to mentor, share information, or simply have great conversation. No matter where you are in your career – just starting out or nearing retirement – you have something to learn and share. We would love to have you attend!



2015 NWA SCHOLARSHIP

Golf Outing

Saturday, October 17

Earlywine Golf Club
Oklahoma City, OK
I-44 & S Portland

11 MINUTES
FROM WILL ROGERS
WORLD AIRPORT

17 MINUTES FROM
DOWNTOWN OKC

11:30 a.m. Lunch
1:00 p.m. Tee Time

\$85 per player

Includes lunch, range, cart,
golf & donation

Presented By



Contact Betsy Kling for more information
betsykling@wkyc.com





The Second Annual Women in Meteorology Luncheon

Two Scholarships Open for Applications

The NWA awards scholarships and grants to undergraduate and, in some cases, graduate students majoring in meteorology or a related field.

The following scholarships are now open for applications:

The NWA Arthur C. Pike Scholarship in Meteorology
http://nwas.org/committees/ed_comm/application/Pike.php

The NWA Phillips Family Undergraduate Scholarship for Meteorology
http://nwas.org/committees/ed_comm/application/Phillips.php

To learn more about the eligibility and application process for each, please click on the links above.



Click for information on all NWA scholarships

RECENTLY ANNOUNCED WINNERS

2015 Ken Reeves Memorial AccuWeather Undergraduate Scholarship



Brett Borchardt, an undergraduate at the University of Oklahoma (OU), is the winner of the 2015 NWA Ken Reeves Memorial AccuWeather Undergraduate Scholarship. Brett has a 3.96 overall GPA going into his senior year at OU and is very involved with many activities on campus including the Oklahoma Weather Lab's Outreach Committee Chair and now the President Elect.

The Education Committee reviewed 36 applications for this year's scholarship and was honored to recommend Brett to the NWA Executive Director. Brent wowed the committee members with his list of achievements and the strong recommendations he received from Dr. Fred Carr and Dr. Petra Klein.

Runners up for the scholarship this year were Andrew Collins from Mississippi State University and Vanessa Przybylo from Plymouth State University. Andrew and Vanessa were awarded annual NWA memberships.

2015 David Sankey Minority Scholarship

Amber Liggett, an undergraduate at Millersville University, is the winner of the 2015 NWA David Sankey Minority Scholarship. Amber has a 3.71 overall GPA going into her sophomore year. In 2012, Amber attended Weather Camp at Howard University and this summer had the opportunity to participate in the Research Experiences for Undergraduates (REU) at OU as a freshman.

The Education Committee reviewed 21 applications for this year's scholarship and was honored to recommend Amber to the NWA Executive Director. Dr. Richard Clark, Department Chairman and Professor of Meteorology at Millersville, said Amber is "destined for success and the David Sankey Minority Scholarship will help her take that step forward." A long-time Education Committee member commented "One of the best applications I have seen since grading these! What an amazing young lady, a real go-getter!"

Runners up for the scholarship this year were Carlos Martinez from Texas A&M University and Da'Vel Johnson from the Florida Institute of Technology in Melbourne. Carlos and Da'Vel were awarded annual NWA memberships.



DON'T WAIT. COMMUNICATE. MAKE YOUR EMERGENCY PLAN TODAY.



SEPTEMBER IS NATIONAL PREPAREDNESS MONTH!



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The Latest JOMs

Two new articles have been published in the NWA's Journal of Operational Meteorology (JOM) since last month's Newsletter.

JOM 2015-10: Orographically Induced Cirrus Clouds in the Lee of the Southern Appalachian Mountains
by Ryan Ellis, Jonathan Blaes, and Lindsey Anderson.

JOM 2015-11: ENSO Influence on Tropical Cyclone Regional Landfall Counts
by Kyle A. Imhoff and George S. Young.

The JOM publishes submissions in four categories: Article, Short Contribution, Images of Note and Commentary. The JOM is a peer-reviewed, all-electronic journal with an international scope, providing authors with the benefits of economical publication costs and rapid publication following acceptance. If you are interested in submitting a paper to the JOM, go to the [website for author information](#)

Thank you to the JOM authors, reviewers and editors for continuing to make JOM a success. You can read papers by logging on to the [NWA Member Portal](#) and clicking on the JOM link under Additional Member Resources on the right.

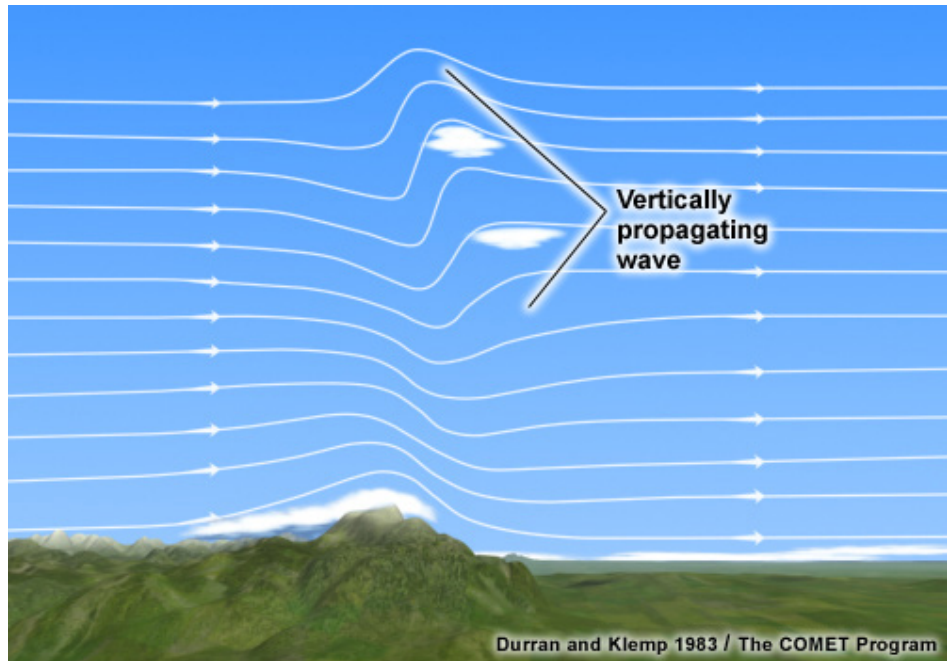


Figure 1 from JOM 2015-10. Schematic diagram of the airflow of a vertically propagating wave from Durran and Klemp (1983) and the COMET Program.

THE HIGH PLAINS NWA CHAPTER MINUTES

William Taylor, President

Tim Burke, Secretary

The High Plains NWA Chapter held a meeting on Wednesday, August 12, 2015, during the 17th High Plains Conference held in Goodland, Kansas. The meeting was held after the first day of the conference, at 4:35 p.m. MDT in the Sherman County Emergency Manager's Center with 49 attendees, 19 of which were members. The conference status was discussed first, and then President Bill Taylor announced our chapter had applied for the Chapter of the Year for both the AMS and NWA. That morning, our chapter applied to be a Weather-Ready Nation (WRN) Ambassador. During the meeting, we received an email confirming that we are an official WRN Ambassador.

www.highplains-amsnwa.org

NWA President-elect Dave Freeman, the Chief Meteorologist at KSNW-TV in Wichita, Kansas, addressed our meeting. He brought greetings from the national NWA, and stressed how conferences such as this bring friendships together, with meet and greet opportunities and sharing of ideas. He also encouraged all present to attend the upcoming NWA Annual Meeting in Oklahoma City, as well as the Annual Meeting being planned for Norfolk, Virginia, in 2016. Some of the topics planned for the 2016 meeting include GOES-R and coastal meteorology, and more military members are expected to attend with the naval station located in Norfolk.



Meteorologists and hydrologists from nine NWS offices plus local media gathered August 12-13 to share information at the 17th Annual High Plains Conference held in Goodland, Kansas.

The winner of our student presentation award for the 17th High Plains Conference is Kevin Wagner, a master's student at the South Dakota School of Mines; he was awarded \$600. Other competitors were Pam Pietrycha, a master's student from Northwest Missouri State University, and Scott Baker, a master's student from Wright University, Ohio. Thanks to all who participated.

The next meeting is planned for late October in Norton, Kansas.

FREE Weather-Ready Schools: A Community Building Workshop

Who: Open to school personnel
and public safety officials

When: Saturday, October 17

Where: National Weather Center
120 David L. Boren Blvd.
Norman, Oklahoma

Cost: FREE!

This workshop is an opportunity to connect with other science educators and members of the weather and public safety communities to collaborate, explore, and learn about weather hazards and how we can create better prepared schools. The best part? It's all FREE, including lunch.

[Click here to register.](#)

The morning session will include short talks given by invited speakers on the topic "Why Are We Here? Stories and Experiences from Past Weather Events." After the keynote speaker and lunch break, participants will explore additional topics on weather radios, radars, weather fears and have the opportunity to tour an Oklahoma Mesonet tower or the National Weather Center.



Spread the word, tell your friends, bring your colleagues, but register soon because this conference is limited to 75 teachers/school officials and 25 public safety officials. See you there!

NEW NWA MEMBERS

Please welcome these members who joined the NWA in July!

Regular Members

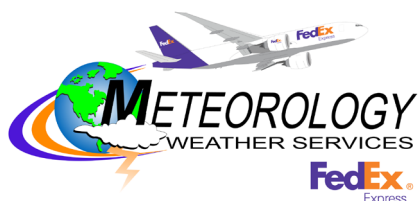
Stephanie Dunten
Danielle Vollmar
Anita Leroy
Joanne Kagan
Travis Roberts
Joseph Bird
Carol Goodwin
Rick Steinkraus
Nestor Flecha
Jonathan Minovich
Zachary Green
Felix Nance
John Kain
Jason Ronsse

Student Members

Elizabeth Lennartson
Mandy Bailey
Chelsea Kryston
Lamar Coats
Heather Key
Trisha Gabbert
Thomas King

Corporate Member

FedEx Meteorology Department



Schedule:

8:30 - 9:00	Registration
9:10 - 10:00	Panelists: <i>Invited Teacher, Principal, and Superintendent</i> Steve Piltz, National Weather Service, Tulsa, Oklahoma; Don Lynch, Emergency Manager, Pottawatomie County, Oklahoma; James Aydelott, Broadcast Meteorologist, Fox 23, Tulsa, Oklahoma
10:00 - 10:20	Audience Q&A with Panelists
10:20 - 10:40	Break
10:40 - 11:15	NWS Outlooks, Watches and Warnings Explained, Rick Smith, NWS Norman
11:15 - 12:00	Identifying Refuge Areas in Schools Kevin Kloesel and Lisa Teel, University of Oklahoma Emergency Preparedness Office
12:00 - 12:45	Lunch with Keynote Speaker Author, Holly Bailey, "Mercy of the Sky"
12:45 - 12:55	Instructions for Afternoon Breakouts
1:00 - 3:30	Breakout Events
	Seven 15-minute Sessions
	<ul style="list-style-type: none"> • Go Bags and Weather Radio Programming • Radar Reading Basics • Mesonet App • Mesonet Long-term Averages • Role of Emergency Managers in Weather Preparedness at Schools, Calming Kids Weather Fears • Being "Weather Ready" at Home • Ask a Meteorologist
	Two 30-minute sessions:
	<ul style="list-style-type: none"> • Outdoor Weather Instrumentation Tour • National Weather Service Tour
3:30 - 3:40	Break
3:40 - 4:00	Workshop Evaluation & Closing

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Thanks to Warning Decision Technologies for providing the attendees with the RadarScope App. and to Griffin Communications and Midland Radio for providing weather radios for attendees.

Overflow hotel & preliminary agenda info added below!

40th NWA Annual Meeting



SkyDance pedestrian bridge and downtown Oklahoma City.
Photo from BigStock Photos.

Join us - it's our 40th
Anniversary!



"Power of the Past; Force of the Future"

October 17 - 22
Oklahoma City, Oklahoma

THE 40th Meeting Agenda



We are pleased to unveil the NWA's 2015
Annual Meeting Preliminary Agenda!
www.nwas.org/meetings/nwas15/agenda.html

Schedule of Events

Saturday Oct. 17 - NWA Golf Outing & Climate Workshop

Sunday Oct. 18: Broadcast Meteorology Workshop

Sunday Oct. 18: 8th Annual Student Session

Oct. 19-22: General Sessions

Wednesday Oct. 21: NWA Annual Awards Luncheon

Online Registration: EARLY BIRD SPECIAL ENDS SEPTEMBER 15

[Click here to register for the Annual Meeting](#)

There is an EARLY BIRD DISCOUNT if you register by September 15; prices increase on September 16.

Online registration closes October 9. (There will be on-site registration for beginning October 17). *There is an option to register now then pay at the meeting.*

Location

Conference Hotel: [The Renaissance Oklahoma City Convention Center Hotel](#). Reservations [may be made online](#) or call (800) 468-3571 and telling them you are attending the National Weather Association Meeting. The room block is open until September 18 or until full.

Overflow Hotel: [Courtyard Oklahoma City Downtown](#), which is across the street from the convention center. Reservations [may be made online](#) or call (405) 232-2290 and use the group code NWAN. The room block is open until September 22 or until full.

Second Overflow Hotel: [Residence Inn Oklahoma City Downtown/Bricktown](#). This room block is available through September 17 or until full. Reservations [can be made online](#).

Conference Venue: Cox Convention Center in downtown [Oklahoma City](#).

Program Chairs

Program Committee

Co-Chairs:

Dr. Patrick Marsh
Techniques Development Meteorologist
NOAA/NWS/NCEP Storm Prediction Center
Norman, OK 73072
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John Ferree
Severe Weather Services Coordinator
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Broadcaster Workshop Program Chair:

Mike Goldberg
WTVR-TV
Richmond, VA 23230
mgoldberg@wtvr.com

Watch the meeting web page for updates on hotel accommodations, exhibits, and more, or contact the NWA Office at (405) 701-5167 or exdir@nwas.org

Stay
Connected!



Meeting updates will be posted on these NWA social media sites:

[Annual Meeting page](#)

[Annual Meeting Facebook page](#)

Twitter: twitter.com/nwas

Google+: <https://plus.google.com/115267406833207403491/posts>

Meeting hashtag: #Nwas15

PROFESSIONAL DEVELOPMENT & EVENTS

NWA Sponsored Meetings, Conferences and Special Events

October 17-22: 40th NWA Annual Meeting

The Renaissance Oklahoma City Convention Center Hotel is the host site for the meeting. Meetings will be held next door in the Cox Convention Center. It is our 40th anniversary, so plan to attend this informative meeting and celebration. See page 7 for details.

Other Meetings, Conferences and Special Events

October 7-11: SEJ's 25th Annual Conference

The Society for Environmental Journalism will be holding its 25th Annual Conference in Norman, Oklahoma from October 7-11, 2015 at the University of Oklahoma.

October 31: National Weather Festival

Hosted by the National Weather Center, this free event will be 10 a.m. to 2 p.m. in Norman, Oklahoma. Guests will be able to view the National Weather Service forecast areas, check out the emergency response vehicles, watch hourly weather balloon launches and much more.

November 13-18: IAEM 63rd Annual Conference and EMEX 2015

The theme is "Expanding the Spectrum of Emergency Management" and the conference will be held in Clark County, Nevada.

January 10-14: AMS 96th Annual Meeting

The American Meteorological Society will hold its 96th Annual Conference in New Orleans, Louisiana. The theme will be "Earth System Science in Service to Society." The "Earth System Science" theme emphasizes that the growing knowledge of the academic and research communities about our Earth system is a strength of AMS. AMS brings together the physical, chemical, and biological study of the Earth, allowing important decisions to be made by policy makers and the public.

January 27-29, 2016: 2016 FLASH Annual Conference

To be held in Orlando, Florida, the meeting theme will be "The Next Generation of Resilience." The Federal Alliance for Safe Homes (FLASH) conference will focus on creating a disaster resilient generation and the next generation of codes/standards/policies, residential construction, resilient communities, and outreach/education.

The [NWA Events page](#) has more information.

Annual Meeting Exhibit Space and Sponsorships



Showcase your business or organization at the NWA 40th Annual Meeting Exhibit Hall Oct. 18-20, 2015, in Oklahoma City. NWA Corporate Members get a discounted booth for \$800.



Want to be a meeting sponsor?
Some sponsorship options include a discounted or complimentary exhibit booth and advertising options.

[The meeting page has the details.](#)

*Photo is courtesy of the Oklahoma City Convention
& Visitors Bureau*

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WRN
WEATHER-READY NATION

Newsletter Submissions

We welcome Newsletter article submissions from members. Send articles by the 25th of each month to nwanewsletter@nwas.org for publication in the following month's edition at the earliest. Information about the Newsletter and a link to author guidelines can be found at www.nwas.org/newsletters/.



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[Treefrog Resources](#)

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Submit newsletter items to nwanewsletter@nwas.org using the Instruction for Authors at www.nwas.org/newsletters/newsletter_instructions.php.

Members receive the 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.