

## PRESIDENT'S MESSAGE

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**by Paul Croft**

There have been many winter weather events making newspaper headlines around the United States during the last two months. Many of us have been affected both professionally and personally. Severe to extreme drought in the Rocky Mountains, severe weather (a tornado) in Hawai'i, snow and ice in the Pacific Northwest, record low temperatures in New England, and multiple snow and ice events along the Eastern Seaboard occurred. These were coupled with periods of persistent and intense cold, extensive snow cover, red flag warnings, the threat of energy blackouts, and large swings of temperature.

While it might seem to the general public that these weather events were very unusual, the operational meteorologist might find that climatology tells a much different story. It is precisely these variations that give all regions of this country what is defined locally as "winter". Yet getting this message across to the general public in a clear and concise manner is difficult, particularly if temperatures and precipitation amounts are well below or above what has occurred over the past few years.

Although we have unprecedented capabilities to brief weather with colorful illustrations, and reach many people through multiple media formats, we have a limited ability to do so in a consistent manner that is appropriate to a highly mobile and busy audience. Weather forecasters – whether NWS, military, media or other private sector – attempt to provide information that quantifies day-to-day climate variability and offers perspective on multiple time scales. Giving more than simple averages (or climatic normals) and extremes, many forecasters attempt to provide measures of variation and confidence in the natural fluctuations of the winter season and climate.

In the long range outlooks, some forecasters attempt to give both likelihood and causation, but this is difficult when climatic signals are overlapping and indirect and many – such as the Madden-Julian Oscillation, the Arctic Oscillation, El Niño and La Niña patterns, the North Atlantic Oscillation, and the Pacific-North American Teleconnection Pattern. Although we have operational tools to assess these signals (e.g., Hovmüller diagrams, sea surface temperature anomalies, and ensemble forecasts), the tools and techniques are often

inappropriate for our audience and typically inadequate for our legislative and policy leaders to use.

***How can we get help bringing operational climatology into daily forecasting and broadcasting?*** One quick way is to expand our view and seek out those in our community with special training, but with similar understanding, interests, and who often share the same client base – such as climatologists. While we may first think of climate as just products from the NOAA/National Climatic Data Center, other agencies are also available with helpful information such as the Regional Climate Centers and State Climatologists. The wide geographic variations of climate are also considered by professionals from other disciplines, such as those within the many associations/societies of Geographers.

The American Association of State Climatologists (AASC) is another resource. As an Associate Member over the years, I have benefited from their exchange of information and role within the scientific community. Their networking has significantly increased awareness of their roles and importance in promoting the public health, safety, and welfare through application of climatic principles. Their most recent meeting (August 2003) was in Portland, Oregon and they are preparing for this year's meeting in Ithaca, New York. They have played an active role in climate study, providing climate products and services, and promoting advocacy. This has included research, applications, and support of education projects. Their Web site is: [lwf.ncdc.noaa.gov/oa/climate/aasc.html](http://lwf.ncdc.noaa.gov/oa/climate/aasc.html)

In other news, it may seem early but the Annual Meeting plans are well underway for this October in Portland. Our Program Committee, in coordination with other committees, is developing themes that will include fire weather, climate and 'operational climatology in the forecast', and local modeling for specific operational applications. The *Call for Abstracts* is on page 2.

I'm also happy to introduce the committee chairs for this year on page 3. These enthusiastic volunteers and their committee members accomplish a lot of the daily tasks of the organization, develop and implement new initiatives to help the organization and its members, and assist users of weather information through outreach efforts. Check out their Web pages on the NWA Web site ([www.nwas.org](http://www.nwas.org)) and contact them with subject matter questions and your suggestions to help the NWA continue to improve in all areas.

- Yours in Service – Paul

# NWA 29th ANNUAL MEETING

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## *Call for Abstracts*

**The National Weather Association's 29th Annual Meeting will be held at the DoubleTree Hotel - Lloyd Center, Portland, Oregon, from 16-21 October 2004.**

The Annual Meeting will include:

**16 October:** Training will be offered by corporate members, exhibits will set up, and the third annual golf outing will occur.

**17 October:** WEATHER BROADCASTER WORKSHOPS -- all-day Sunday will include special presentations, exhibits and hands-on workshops appropriate to continuing education for weathercasters, but **open to all interested**. The annual TAPE SWAP will be on Sunday evening.

**18 - 21 October:** ANNUAL MEETING GENERAL SESSIONS will include a mix of formal presentations, poster sessions, training workshops, and exhibits on a wide variety of topics relating to OPERATIONAL meteorology, hydrology, weather broadcasting, new research applications, and related activities. Special Sessions on Fire Weather, operational climatology and local/regional NWP are being planned.

The Annual Meeting Program Committee Co-Chairs are: **Michael Vescio**, Meteorologist In Charge, National Weather Service Forecast Office, 2001 NW 56 Drive, Pendleton, OR 97801; michael.vescio@noaa.gov, and **Steve Todd**, Meteorologist In Charge, National Weather Service Forecast Office, 5241 NE 122nd Ave, Portland, OR 97230; steve.todd@noaa.gov. The Broadcaster Workshop Program Chair is **Bryan C. Karrick**, KCCI-TV, 888 Ninth Street, Des Moines, IA 50309-1288; bkarrick@hearst.com. Contact them with your suggestions and to volunteer to help with the program.

**ABSTRACT SUBMISSION:** The deadline for submission of abstracts is **1 June 2004**. Abstracts may be sent via an Internet online form on the NWA Web site at: <http://www.nwas.org/2004abstracts.html>. Simply fill out the form in its entirety (you may cut-and-paste your abstract from your word processing program into the form), and click on the Submit Query button at the bottom of the form. Abstracts can also be sent via e-mail to michael.vescio@noaa.gov. Please write NWA Abstract in the subject box. The abstract may be included within the body of the e-mail or as a WordPerfect or Microsoft Word attachment. Please include the following information in the e-mail message: full abstract title, author(s) name(s) and affiliation(s)/address(es) designate which author(s) will be giving the presentation and whether poster or oral presentation is preferred, audio/visual requirements including software (e.g., PowerPoint, Corel, Internet access) and equipment (e.g., laptop, PC, overhead

projector), and list the primary contact with their phone number and e-mail address.

If you are unable to submit your abstract via e-mail or the online form, please contact the NWA office at Tel/Fax: (434) 296-9966.

Presenters will be notified regarding the disposition of their abstracts by 15 August 2004. Prior to the meeting an FTP site will be established for authors to download their presentations so that it can be run on NWA computers. This will facilitate a smooth transition from one speaker to the next during the Annual Meeting sessions.

### **ANNUAL MEETING HOTEL INFORMATION:**

The DoubleTree Hotel Portland - Lloyd Center is at 1000 N.E. Multnomah, Portland, Oregon 97232. It is a full-service hotel in the "Center of the City". The NWA discount room rates are \$91 for a single or double room; each additional person will be \$15.

To reserve a room, please call the DoubleTree Hotel Portland - Lloyd Center at 503-281-6111 (reservations department) or their toll-free number 1-800-996-0510 and request the group rate for National Weather Association. **Please reserve rooms by 15 September 2004 to be able to obtain the discount rate.**

Thanks to Betsy Kling, the **Third Annual Golf Outing** is being scheduled for Saturday, 16 October to benefit the NWA Scholarship Fund. The NWA **Annual Awards Luncheon** will be at the DoubleTree Hotel on Wednesday, 20 October.

The preliminary agenda is expected to be published in early August in the Newsletter and on the NWA Web site. Registration information and forms will be available by June. For more information on exhibits, special accommodations, registration and the overall meeting program, please contact the NWA office at Tel/FAX: (434) 296-9966 or e-mail: NatWeaAsoc@aol.com.

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Applications are due **15 April 2004** for the following scholarships.

- David Sankey Minority Scholarship in Meteorology
- Arthur C. Pike Scholarship in Meteorology

For complete information on NWA Scholarships, grants and awards, go to Web site: [www.nwas.org/award.html](http://www.nwas.org/award.html)

**See new scholarship offering on page 5.**

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## NWA COMMITTEE CHAIRPERSONS

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**Commissioner of Committees** (non-voting, appointed member of the NWA Council):

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Timothy D. Oram, NWS/SMG Johnson Space Center, NASA/JSC ZS8, 2101 NASA Parkway, Houston, TX 77058; (281) 483-3257; timothy.oram@noaa.gov

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- Evaluation Board members for Seal of Approval:  
LeAnn Allison, Melissa Barrington, Jennifer Zeppelin Berscheidt, Mark Bogner, Christopher J. Dunn, David A. Glenn, Rodney L. Hill, Doug Iverson, Steve Kersh, Justin F. Kiefer, John A. Lasley Jr., Joe Lauria, H. Michael Mogil, Patrick S. Market, James T. Moore, Lori Pinson, Lawrence Rice, Jim Spencer, Carl D. Thormeyer and John Wetherbee

- Seal Recertification Chair:  
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## MEMBER NEWS

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**Dr. Walter A. Lyons**, President and Senior Scientist of FMA Research, Inc., in Fort Collins, Colorado, and charter member of the NWA, has been named the **president-elect of the American Meteorological Society (AMS)**. Dr. Lyons received a BS in Meteorology from Saint Louis University and a SM and PhD in Geophysical Sciences from the University of Chicago. He earned the AMS Seals of Approval for Radio and TV Weathercasting and in 1977 became a Certified Consulting Meteorologist.

His career in the private industry was preceded by an 18-year career in broadcasting, including operational forecasting, research programs in coastal meteorology and middle atmospheric electric phenomena. During his research career, he achieved distinctions for establishing the first commercial nationwide lightning detection network and for applying mesoscale numerical models in thunderstorm forecasting at the Kennedy Space Center. He briefed on many of his experiences and changes in private-sector meteorological services over the past 25 years as luncheon speaker at the NWA's 25<sup>th</sup> Anniversary Annual Meeting. He has written and spoken often on air pollution, lightning safety, and probably his favorite – sprites.

**Hutch Johnson**, member and NWA Seal of Approval holder, has been awarded a Regional Emmy for excellence in the weather anchor category from the Upper Midwest Chapter of the National Academy of Television Arts and Sciences. Hutch Johnson is the chief meteorologist at KXMB CBS12 in Bismarck, North Dakota. He is also teaching an Introduction to Meteorology class and lab at Bismarck State College.

**Dr. Ken Crawford**, past president of the NWA (1988), Director of the Oklahoma Climatological Survey, and the Oklahoma State Climatologist, has been named the **president-elect of the American Association of State Climatologists (AASC)**. The AASC is a professional scientific organization composed of state climatologists, directors of the six Regional Climate Centers, and associate members who are persons interested in the goals and activities of the association.

**Congratulations also to Ken and all associated with the Oklahoma Mesonet on its 10th anniversary.** A celebration will be held on the Fourth Floor Rotunda at the State Capitol of Oklahoma on Thursday, 11 March 2004. The Oklahoma Mesonet is jointly operated by Oklahoma State University and the University of Oklahoma.

**John Toohey-Morales**, a Certified Consulting Meteorologist, holder of AMS and NWA Seals of Approval, and NWA Broadcaster of the Year for 2003, has become the president-elect of the National Council of Industrial Meteorologists (NCIM).

## BROADCAST COMMITTEE NEWS

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### The Challenge of Children...

Presentations to children can always be a challenge. I have three boys, ranging in age from 14 to 4, and I still have trouble keeping all their attentions at once. One of the best ways to understand children is to have a few of your own, but I realize that option is not available for everyone. So the next best thing is to remember what it is you enjoyed as a child in school. The teachers that made the biggest impression on me were the ones that made the material interesting and had a great personality as well. That same thinking should apply to your presentation. Don't focus so much of your energy on content. Instead, keep the content fairly basic while the energy level is high. For a good example, just turn on television aimed at children any morning and you'll see high-energy programs with very little content. In a way, you need to become a sort of cartoon character in the classroom. I am not suggesting that you put on an act. Just ratchet up your natural personality a few notches for the children.

The balance of content and personality will depend on the age of the children to whom you are presenting. The attention span of very young children, say eight years old or younger, is rather short. Presentations to them need to be more hands-on or interactive. Simple weather experiments that are easy to set-up and execute are a great idea. As you work with older children, your presentation can shift from hands-on to one that is more display oriented while still being interactive. Ultimately, the presentation should be an extension of your personality and should be something you feel comfortable doing over and over again.

In my case, a chalkboard and VCR are all I need. I draw a version of the water cycle on the chalkboard and make it memorable by adding a few of my own touches. For example, on the land area of the water cycle I draw a simple house and tell the kids that it's my house. Then I draw a stick figure next to the house. I tell the kids that I am the stick figure and that I like being outside watching the weather. You wouldn't believe how many thank you cards and letters I get from the kids with a drawing of my house and me. I use the VCR to show a video of lightning and tornadoes and the kids love it. Nick Walker from The Weather Channel is a musician and uses fun weather songs to teach the children. He even has a CD called "Sing Along with the Weather Dude." I saw a video version of his presentation at the NWA Annual Meeting and it was great. Make your presentation an extension of the weather-loving child in you and you'll get rave reviews.

Send your thoughts to me at [skye@fuse.net](mailto:skye@fuse.net).

*- Rich Apuzzo, Broadcast Meteorology Committee Chair*

## CLIMATE REFERENCE NETWORK

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A new, high-tech climate-monitoring network, designed to track the nation's temperature and precipitation trends, is now operating in 28 states. The U.S. Climate Reference Network (CRN) will improve the ability of America's decision-makers to form policies about programs impacted by climate variability and change.

Currently, there are 46 CRN stations deployed in 28 states. Additional deployments for the next two years are scheduled at a rate of about 27 each year. Officials said a total of 100 stations are planned throughout the rest of nation by 2006. The NOAA Geostationary Operational Environmental Satellites (GOES) transmit the data received from these ground-based stations in near real-time to the NOAA National Climatic Data Center (NCDC) in Asheville, N.C. NCDC posts the observations online in near real-time to users around the world.

A crucial aspect of this network is that all stations are located in fairly pristine environments to help eliminate local human influences from confounding the interpretation of any observed changes in climate. The observing stations will be established at locations sensitive to climate change and laced at or near stations having long-term historical climate records.

For more information about the CRN, go to Web site:

<http://www.ncdc.noaa.gov/oa/climate/uscrn/>

– NOAA Public Affairs

## NOAA/NWS OFFICES TO MOVE

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NOAA/NWS announced that it will build a new weather center, the Center for Weather and Climate Prediction. **The new facility will replace the World Weather Building located in Camp Springs, MD.**

Work is being done to select a site near the University of Maryland. The new facility will house the NWS National Centers for Environmental Prediction (NCEP), NESDIS Office of Research and Applications and the NOAA Air Resources Laboratory. The new building is expected to open in late 2007 and house approximately 800 employees. The new spaces will house the Joint Center for Satellite Data Assimilation, as well as the satellite applications, research and real-time operational services. It is expected that current and future satellite systems will produce five orders of magnitude more data than in the previous decade.

Collocation of the Air Resources Laboratory with NCEP has been a long-time goal. The matter will have increasing importance since a new air quality forecasting function is planned; this will extend to the provision of dispersion forecasts following the release into the air of pollutants from accidents or other events. Programs addressing national and homeland security will benefit from the new collocation.

– NOAA Public Affairs

## ANNOUNCING:

### The AccuWeather Undergraduate Scholarship in Meteorology

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Thanks to the generosity of AccuWeather, Inc., a new scholarship opportunity is available from the NWA.

**Offering:** One \$1000 scholarship per year.

**Starting Date:** This year (2004) will be the first time the scholarship has been offered.

**Administration:** The scholarship selection will be administered by the NWA Education Committee. The NWA office will announce the call for applications each year, applications close 15 May and the scholarship designee will be notified by mid-June.

**Eligibility:** Undergraduate students going into their sophomore year or higher grade and majoring in operational meteorology (forecasting, broadcasting or consulting) may apply. If the undergraduate student is classified as a senior they must either have one more fall (Sep. – Dec.) semester to compete after the scholarship is awarded.

**Award Criteria:** The scholarship will be awarded based on:

- official college transcripts (academic achievement),
- two letters of recommendation (at least one from a current or former meteorology professor),
- a letter (not longer than one page) from applicant describing their involvement/interest in operational meteorology.

**Logistics:** Scholarship money will be transferred following the financial guidelines of the college or university involved. If there aren't any financial guidelines from the school, NWA will make the \$1,000 check payable to both the student and the education institution at the beginning of the September - December semester or quarter.

**Applications for the NWA AccuWeather Undergraduate Scholarship in Meteorology to be awarded in 2004 must be submitted to the NWA office by 15 May 2004.** The office address is on the application form. The application form is available to copy from the NWA Web site at: [www.nwas.org/accuweatherscholarship\\_app.html](http://www.nwas.org/accuweatherscholarship_app.html) or it can be obtained from the NWA office at Tel/Fax: (434) 296-9966.

# MEETINGS OF INTEREST

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- **The 29th Annual Northeastern Storm Conference will be held 12–14 March 2004 in Saratoga Springs, New York.** The conference is sponsored by the [Lyndon State College AMS & NWA Chapter](#). More information is on the chapter Web site at [apollo.lsc.vsc.edu/ams/](http://apollo.lsc.vsc.edu/ams/) or contact Chapter President Corey Potvin at [Corey.Potvin@lyndonstate.edu](mailto:Corey.Potvin@lyndonstate.edu) or (802) 626-6636.
- **The 2004 Severe Storms and Doppler Radar Conference will be held from Thursday, 25 March – Saturday, 27 March at the Embassy Suites Hotel, Des Moines, Iowa.** The conference is sponsored annually by the [Central Iowa NWA Chapter](#). More information is available at: [www.iowa-nwa.com](http://www.iowa-nwa.com).
- **Fourth Annual Symposium of the Atmospheric Sciences will be held on 2 April 2004 in the Natali Performance Center at California University of Pennsylvania.** [The Three Rivers Chapter of the NWA](#) and the California University of PA Department of Earth Sciences will host this one-day event that will include presentations on a broad range of topics in both Operational and Broadcast Meteorology. For more details contact Dr. Swarn Gill or Dr. Chad Kauffman at: [gill@cup.edu](mailto:gill@cup.edu), [Kauffman@cup.edu](mailto:Kauffman@cup.edu), or visit Web site: [sai.cup.edu/weather](http://sai.cup.edu/weather).
- **The Second Annual Great Lakes Meteorology Conference will be held on 3 April 2004 at the Indian Oak Inn Conference Center in Chesterton, IN.** The conference is sponsored by the [Northwest Indiana NWA Chapter](#) at Valparaiso University. **The deadline for presentation and poster abstracts is 12 March 2004.** Registration is due by 19 March — see: [www.valpo.edu/geomet/met/nwa/nwa.html](http://www.valpo.edu/geomet/met/nwa/nwa.html). Abstracts and registrations should be sent to The Department of Geography and Meteorology, Valparaiso University, 1300 Chapel Dr., Mueller Hall 16, Valparaiso, IN 46383-6493. For information, contact Chapter president [nick.metz@valpo.edu](mailto:nick.metz@valpo.edu).
- **The 26th Annual National Hurricane Conference will be held 5–9 April 2004 at the Wyndham Palace Resort & Spa, Lake Buena Vista, Florida.** For more information, call (850) 906-9224 or visit Web site: [www.HurricaneMeeting.com](http://www.HurricaneMeeting.com).
- **Eighth Annual Northern Plains Convective Workshop will be held in Sioux Falls, South Dakota, 14-16 April 2004.** One session of this workshop will focus on the 24 June 2003 tornado outbreak over southeast South Dakota, including a presentation from researcher Tim Samaras, whose team recorded the record-breaking pressure drop with the Manchester Tornado. For more information see Web site: [sio.midco.net/8thworkshop/](http://sio.midco.net/8thworkshop/)
- **The Air Weather Association (AWA) Reunion will be held 28 April – 2 May 2004 in Cocoa Beach, Florida at the Holiday Inn Oceanfront Resort.** For more information, please see Web site: [www.airweaassn.org](http://www.airweaassn.org) or call (434) 296-2832. The AWA is open to all individuals who serve or have served in a USAAF or USAF weather unit.
- **Third GOES Users' Conference will be held in Boulder, Colorado, 10-13 May 2004.** GOES-R to be launched in 2012, will house an advanced imager, hyper-spectral suite (including atmospheric sounding and coastal waters capabilities), lightning mapper, solar imager and space environment monitor. The focus of the conference will be to help users prepare to acquire, digest and use GOES-R data and to assist with the advanced planning of requirements, products, communications, and distribution of data. The conference will consist of speaker

presentations, poster sessions, and facilitated breakout sessions. Abstracts are invited for poster papers focusing on GOES-R potential applications, GOES-R as part of the Global Observing System, and the smooth transition to GOES-R. Information can be found on Web site: [www.osd.noaa.gov/announcement/index.htm](http://www.osd.noaa.gov/announcement/index.htm). The conference is sponsored by NOAA with the cooperation of the NWA and other organizations.

- **First World Conference on Broadcast Meteorology will be held 2 – 5 June 2004 in Barcelona, Spain.** The NWA is a cosponsor of this conference being run by the International Association of Broadcast Meteorologists (IABM). This will be a scientific conference, with a diverse group of attendees and presenters engaged in discussing the current state of weather broadcasting in the world, examining ways to reduce the impact of natural disasters and debating pertinent issues. Conference details can be found at [www.IABM.org](http://www.IABM.org).
- **Symposium on the 50th Anniversary of the Joint Numerical Weather Prediction Unit: The Foundation for Operational Numerical Weather Prediction will be held 14-17 June 2004 in College Park, Maryland.** The NWS/National Centers for Environmental Prediction (NCEP), Air Force Weather Agency (AFWA), Navy Fleet Numerical Meteorology and Oceanography Center (FNMOC), National Weather Association and American Meteorological Society are cosponsoring. This will be a celebration of the pioneering developments in NWP and will include the history and future of NWP. **Abstract deadline is 6 March.** Conference details can be found at <http://www.ncep.noaa.gov/JNWPU50>. For more information or suggestions to enhance this symposium, please contact Ken Carey, Mitretek Systems, 3150 Fairview Park Drive South, Falls Church, VA 22042-4519 (tel: 703-610-1933; fax: 703-610-1767; e-mail: [kcarey@mitretek.org](mailto:kcarey@mitretek.org)) or Eugenia Kalnay (e-mail: [ekalnay@atmos.umd.edu](mailto:ekalnay@atmos.umd.edu)).
- **The Eighth Annual Great Divide Weather Workshop will be held 8-10 September 2004 in Billings, Montana.** The National Weather Service Office in Billings is sponsoring this workshop. The focus will be on the exchange of weather and hydrologic forecasting information unique to the Northern Rockies and High Plains. The workshop will take place at the Sheraton Hotel in Billings. A call for papers and registration information will be available during early 2004. For more information, **contact the National Weather Service Forecast Office in Billings, Montana at (406) 652-0851.**
- **The Third International Conference on Fog, Fog Collection and Dew will be held 11-15 October 2004 in Cape Town, South Africa.** The conference will be held at the Commodore Hotel. The deadline for short abstracts is 15 May 2004 and early registration is being taken before 1 July. For more information see the Web Site: <http://www.up.ac.za/academic/geog/meteo/Events/fogdew2003/fogdew.htm#CONFERENCE%20PROGRAMME>.

**Submit news items, conference announcements, short technical articles...to the NWA Newsletter**  
**via e-mail to**  
**[nwanewsletter@nwas.org](mailto:nwanewsletter@nwas.org)**

## JOB CORNER

*The NWA posts jobs from equal opportunity employers at no cost, for the benefit of NWA members. Please see the Job section on the NWA Web site ([www.nwas.org](http://www.nwas.org)) for more complete announcements and job links. Members who do not have Internet capability may request announcements from the NWA office at (434) 296-9966. Employers should send job announcements via e-mail to [NatWeaAsoc@aol.com](mailto:NatWeaAsoc@aol.com).*

**AWIS WEATHER SERVICES, INC.**, a global provider of specialized weather forecasts and data services, has an immediate opening for an **Operational Meteorologist**. AWIS maintains an extensive database of national and international data that serves a wide variety of clients. We seek a meteorologist who can apply their meteorological expertise to the quality control and verification of near real time data, world wide. Duties also include preparing specialized forecasts for the media, sporting events, and other clients. Our Operational Meteorologists also work on research projects, climatological summaries, and other assignments as needed. The ability to work with a team and awareness of time constraints is essential. A B.S. degree in meteorology or related area is required. Competence with UNIX is essential. The ability to program in C, C++, or FORTRAN is a plus. Some weekend and holiday work is required. No night work is involved. AWIS utilizes the latest technology including a NOAAPort satellite receiving system and a mixture of Sun Solaris and Linux computer systems. Benefits include an excellent health plan, IRA (SIMPLE) retirement plan, paid time off, and a liberal leave policy. Auburn is the home of Auburn University, providing a unique college town atmosphere.

Meteorologists wishing to be considered for this position should mail their resume to: AWIS Weather Services, Inc., Attn: Human Resources, P.O. Box 3267, Auburn, AL 36831-3267; fax it 334-826-2152, or send electronically to [jobs@awis.com](mailto:jobs@awis.com)

**METEORLOGIX, LLC**, is now accepting applications for its Forecast Operations Division in Burnsville, MN. The Forecast Division is a 24 x 7, state of the art forecasting team that utilizes its own pioneering, in-house technology to create custom forecasts and graphics for its vast client base. Meteorologists have access to the most advanced equipment and the most complete data sets available. The primary focus of the forecast operation is geared toward the Aviation industry, however other industries such as agriculture and transportation are also serviced. Meteorlogix can offer those with the proper credentials the opportunity to be part of the best forecasting team in the business. A Bachelor's degree in Meteorology or Atmospheric Sciences is the essential first step in applying. Members of the forecast operations must display keen synoptic analysis and forecasting skills and have 1-2 years experience. Excellent computer skills are essential. Rotating shift-work is a requirement for this position. Meteorlogix offers excellent benefits including: health/dental insurance plan, life and disability insurance, flexible medical/day care spending account, and a 401(k) plan.

To be considered for this position, please send your detailed resume to: Meteorlogix, LLC, Attn: Human Resources 11400 Rupp Drive, Burnsville, MN 55337-1279 Fax: (952) 882-4453; e-mail: [angie.decker@meteorlogix.com](mailto:angie.decker@meteorlogix.com)

**RAPID WEATHER** Meteorology Training Center - Forecast Institute has a position available for a seasonal instructor. The candidate must hold a degree in meteorology and have at least ten years of operational experience. Training, teaching or seminar experience will be helpful, as well as proficiency in MS PowerPoint. Exceptional candidates should have experience using Doppler radar and advanced satellite imagery techniques for meso-scale and microscale weather forecasting. The position is available May through July 2004 and April through June 2005. An above average salary is available.

Resumes and references to: Rapid Weather/Meteorology Training Center, 1601 Mt. Rushmore Road, 4-217, Rapid City, South Dakota 57701. Web site: [www.rapidwx.com](http://www.rapidwx.com)

**ACCU WEATHER, INC.**, the worlds leading commercial weather company, provides custom weather forecasting, hardware and software systems, and consulting services to over 40,000 clients around the globe. AccuWeather serves all levels of government and a wide range of industries, including broadcasting, newspapers, the Internet, wireless communications, transportation, utilities and many others. Headquartered in State College, Pennsylvania, AccuWeather has a 41-year history of business growth and innovation.

Product Manager Broadcasting - This dynamic, highly organized individual will own product marketing for our television and radio products. Responsibilities will include market and competitive analysis, business plan development, planning for product enhancements, partner relationships, outbound communications, sales tool development, project leadership and customer satisfaction. Outstanding communication skills (both written and verbal) and demonstrated high initiative are required. Prior experience within a television or radio station is highly desirable. Experience in product management, marketing or sales is a plus. This position is located in State College, PA. AccuWeather offers a competitive compensation package including a choice of medical and dental plans, 401(k) plan, on-site exercise facility, and casual dress policy. The Pennsylvania Psychological Association recently awarded us the 2003 Psychologically Healthy Workplace Award for the support we provide to our employees. Please send your resume and salary requirements in confidence to: AccuWeather, Inc., 385 Science Park Road, State College, PA 16803-2215; Fax: (814) 235-8599 E-mail: [resume@accuweather.com](mailto:resume@accuweather.com)

**THE NATIONAL WEATHER STATION** is seeking **Meteorologists and Interns** needed to fill position/positions at our Teterboro Airport office in Teterboro, N.J. We provide site specific weather forecasting services to our clients in the New York/New Jersey metro area. We need bright, energetic people with excellent forecasting/synoptic skills and also good computer skills. Internships may lead to part or full time employment in the future. Initial part time meteorological positions may lead to full time in the future. The prospective intern or meteorologist will be trained in how to support our client base. A part time aviation meteorologist is also needed. Experience in aviation weather briefing and forecasting is required. Again, this part time position may lead to full time in the future. Required qualifications for internships include: working on BS or equivalent in meteorology; good understanding of northeastern U.S. weather; radio broadcasting ability a plus; excellent communication skills; strong computer

skills; willingness to work (intern) 15-25 hours per week, weekdays and/or weekends. We will pay for travel expenses (this is an unpaid position for interns). For interns and meteorologists, we require living within driving/commuting distance of our Teterboro Airport office location. Send resume and transcripts to: Dan Ventola, The National Weather Station; PO Box 1063; Lodi, NJ 07644. Or you can fax it to Dan Ventola at fax number 201-288-6892 or email it to: storm1dv@verizon.net

**EMBRY-RIDDLE AERONAUTICAL UNIVERSITY** - The Applied Aviation Sciences Department is searching for at least one new tenure-track faculty member (Meteorology) with a passion for weather (Faculty Position - 1594). The successful candidate will satisfy as many of the following desired characteristics as possible. The candidate should have a PhD in meteorology or a closely related field; operational meteorology experience in either the federal or private sector; sufficient managerial experience to serve as the Program Coordinator for the degree program, ideally with experience in a university or other academic environment; and be able to teach both lower level courses in observing techniques and instrumentation and upper level courses in synoptic, physical or dynamic meteorology. Familiarity and experience with the National Weather Service data stream, Unidata supported analysis and display software (Mcidas, IDV and N-AWIPS programs) and the Linux/Unix operating systems are all greatly desired. Our new team member must enjoy working with, and challenging the minds of young people to bring excitement into the classroom environment. Proven team building and leadership skills are desired, as is a track record of innovative applied research activities. Rank and salary will be commensurate with experience. To apply for this position, please send resume to: Embry-Riddle Aeronautical University, HR Dept., 600 S. Clyde Morris Blvd., Daytona Beach, FL 32114, fax: (386) 323-5060, or e-mail: jacobska@erau.edu. EOE.

*National Weather Association supporting and promoting excellence in operational meteorology and related activities since 1975*

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**Submit newsletter items directly to:** Editor NWA Newsletter, at [nwanewsletter@nwas.org](mailto:nwanewsletter@nwas.org) or to the NWA office. Material received by the 5th will be considered for that month's issue. If submissions are not received, the Newsletter may be delayed.

Members receive the monthly NWA Newsletter and quarterly *National Weather Digest* as part of their regular, student or corporate membership privileges. Newsletter subscriptions are available at \$18.00 per year plus extra shipping costs outside USA. Single copies are \$1.50.

Contact the NWA Executive Director's office (listed above) with **address changes** by phone, regular mail or e-mail.

### **IMPORTANT DATES AND EVENTS**

**12-14 March 2004** – Northeastern Storm Conference, Saratoga Springs, New York

**25-27 March 2004** – Severe Storms and Doppler Radar Conference, Des Moines, Iowa

**15 April 2004** – Scholarship applications due to NWA office (see page 2)

**14 May 2004** – Comments due to NOAA on Draft Policy on Partnerships (see page 7, January newsletter or Web site: <http://www.nws.noaa.gov/fairweather>)

**15 May 2004** – Applications due for NWA AccuWeather Undergraduate Scholarship (see page 5)

**1 June 2004** – Abstracts due for NWA 29th Annual Meeting, Portland, Oregon (see page 2)

Please see **MEETINGS** on page 6 for additional dates.

Also check [www.nwas.org/meetings/meetings.html](http://www.nwas.org/meetings/meetings.html)

and [www.nwas.org/award.html](http://www.nwas.org/award.html)

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