

PRESIDENT'S MESSAGE

The theme for the 27th Annual Meeting of the National Weather Association, 19-25 October 2002 in Fort Worth, Texas has been selected and it is: **“Building Partnerships to Meet the Challenges of 21st Century Weather.”** Presentations and workshops are being sought as usual in all areas of operational meteorology and related activities, and those that can demonstrate partnerships or renewed cooperation among groups/agencies are most welcome. My hope is that we will hear some joint presentations involving academia, public and/or private weather forecasters, the media, emergency management representatives and others who have combined their special talents for comprehensive support to clients and the general public. Start thinking now about what you can share at the Annual Meeting and send in an abstract. See page 5 for more Annual Meeting information.

As I write this president's message, Iowa has just experienced its first round of severe spring-like weather with a bow echo and numerous reports of damaged homes and buildings. With that in mind, it is probably a good time to remind all of our NWA members that “Severe Weather Awareness” campaigns are getting underway all across the United States. This is an excellent time for partnerships to be formed between media, the National Weather Service, local NWA chapters and emergency management. This can include the NWS providing local media with ideas for feature stories on lightning safety, flash flooding or NOAA weather radio expansion. The media can include interviews with the local NWS warning coordination meteorologists or other staff members to drive home the warning preparedness story. Here in Iowa, our station has invited a NWS employee to produce a videotaped segment on the hazards of lightning, which will blend nicely with the period of 28 April - 4 May being declared national “Lightning Safety Awareness Week.” See <http://www.lightningsafety.noaa.gov> for details. Those of you in emergency management may consider inviting storm spotters for the local TV stations to attend your own spotter training sessions. Local NWA chapters may consider holding special community events to educate the public on the dangers of severe weather. Last year, the Central Iowa NWA chapter sponsored an enthusiastic presentation by “The Lightning Stalker,”

David O. Stillings, and built displays featuring lightning safety information. The event was conducted at the local Science Center and turned out to be a big hit. The Chapter is planning a similar event this year.

Sometimes the opportunity to present the NWA to new people comes unexpectedly! Last weekend, I attended a two-day flight instructor renewal course. The course brings instructors up to date on new regulations and reviews important areas such as runway incursions and weather. During the course introductions, the presenter learned I was a meteorologist and asked me to assist with the weather segment of the seminar. This allowed me to introduce several commercial and airline transport rated pilots to the free NWA outreach training courses on thunderstorms and winter flying hazards on the NWA Web site. I also briefed the pilots about the wide range of information available on the aviation committee section pages of the NWA Web site (www.nwas.org).

If you check the NWA Web site, you will see there is an increasing number of local and regional meetings and conferences sponsored or supported by the NWA. If you are attending or presenting at these sessions, please remember to spread the word on membership.

continued on page 2

◀ IMPORTANT DATES ▶

15 April 2002 – Arthur C. Pike Scholarship Applications due. See January Newsletter or NWA Web site (www.nwas.org).

26 April 2002 – 6th Annual Ohio Weather Symposium at The Ohio State University, Columbus OH. See page 5.

1 June 2002 – Abstracts due for NWA Annual Meeting (pg 5).

1 July 2002 – NWA Annual Award nominations due (pg 3).

15 June 2002 – Nominations due for the NWA METSAT Award and Grant. See January Newsletter or NWA Web site.

23 – 26 June 2002 – Mesonet 2002 Institute, Oklahoma City, Oklahoma. See page 5.

3 – 5 October 2002 – Mid-Atlantic States Winter Storms Regional Conference, Silver Spring, MD. See page 5.

9 – 11 October 2002 – 6th High Plains Conference, Dodge City, KS hosted by the High Plains AMS/NWA Chapter (pg 5).

19-25 October 2002 – **27th Annual NWA Meeting, Radisson Plaza Hotel, Fort Worth, Texas.** See page 5.

continued from page 1

We really need to reach the current crop of college students soon to enter the meteorology job field. Student memberships are discounted 50% and cost less than a large pizza! The value to students in terms of making professional contacts and being exposed to new studies in the NWA publications far exceeds the cost of membership. Let's spread the word. If you belong to a local NWA chapter, work to see that chapter members are also full members of the NWA.

Finally, last month I mentioned a new "Sound Off" section on the NWA Web site. This has already proven popular with many people commenting on a president's message written by past-president Les Lemon. Feel free to jump in and give us your thoughts and ideas or start a new topic. Everyone is welcome. Until next time -

- John McLaughlin
(johnmc49@ecity.net)

MEMBER NEWS

Rick Dickert has been named weekend meteorologist for FOX 11 10 O'clock News in Los Angeles, CA. Rick has been at the station since 1990, when he began working as an intern. He began his on-air career working weekends at KEYT-TV in Santa Barbara, CA. In 1998, Rick began filling in on-air at FOX 11 doing weather and helicopter reporting for *Good Day LA*, *FOX 11 Morning News* and *FOX 11 10 O'clock News*. He won a Golden Mike for Best Traffic Reporting in 2000. He is also serving as Vice Chairman of the local chapter of the AMS.

Welcome to a new Corporate Member!

Tempest Tours, Inc.

Storm Chasing Expeditions

P.O. Box 121084

Arlington, TX 76012

Tel: 817-274-9313; Fax: 817-795-1132

Internet: www.tempesttours.com

Point-of-Contact: Martin Lisius

e-mail: info@tempesttours.com

John Gordon has been appointed Meteorologist in Charge of the new NOAA National Weather Service Forecast Office (NWSFO) in Huntsville, AL. **The new office will bring the number of NWS Forecast Offices in the nation to 122.** It will be one of 32 serving the Southern Region of the National Weather Service. Before joining the NWS in 1993, John spent six years in the U.S. Air Force where he served as a wing weather officer at Tinker AFB followed by a tour as Team Chief of the European Forecast Unit in Traben-Trarbach, Germany. John served as a meteorologist intern at the Jackson, MS NWSFO from 1993 to 1994. He was a journeyman forecaster at the Springfield, MO NWSFO from 1994 to 1998. He then moved to a lead forecaster position at the

NWSFO in Nashville, TN before transferring to Huntsville. John also served as an outreach team leader in Nashville working to improve hazardous weather awareness through schools, civic organizations and the emergency management community. The team's efforts on behalf of the people of middle Tennessee earned the Southern Region Director's Award for Teamwork.

In addition to his duties on the ground, John is a flight meteorologist for the US Air Force Reserve Hurricane Hunters based in Biloxi, MS.

LOCAL CHAPTER NEWS

North Florida Chapter

Once again, the North Florida Chapter of the NWA took their meeting to the edge. (Okay, maybe behind the yellow line near the edge.) With a war being fought half a world away, we were able to get an up-close appreciation for the training some of our military weather observers and forecasters endure at nearby Camp Blanding. On 15 December 1992, the 159th Weather Readiness Training Center and Weather Flight were added to the Florida Air National Guard located at Camp Blanding. The school billets and trains Air National Guard members as well as active duty airmen in their career field of weather predictions. Local Chapter members attending the meeting at Camp Blanding were given a tour of the classroom and lab facilities, as well as the opportunity to speak to students at all levels of their training. We were also taken into the field, where we met a group of advanced students who had just come back to "the bunker" after a three-day field deployment. For more information on the WRTC at Camp Blanding, please visit their Web site at: www.fljack.ang.af.mil/wrtc/main.htm

We also conducted chapter business. The membership has decided to pursue starting a student chapter to be our affiliate. We were briefed on the highlights of the recent AMS Annual Meeting in Orlando from our own Pat Welsh. Future meetings include (April) a tour of the City of Jacksonville's Emergency Operations Center, (June) an update from the National Lightning Safety Center, (August-September) an update on our local drought situation as well as the threats from storm surges and flash floods. Membership drives are being planned, and we are very excited to open our doors to all weather enthusiasts.

- Betsy Kling, Corresponding Secretary

Lightning Safety Awareness Week 28 April – 4 May 2002

Lightning is the second deadliest storm hazard in the U.S., inflicting life-long severe injury on many more than it kills. Browse to: www.LightningSafety.noaa.gov and www.lightning-strike.org for more information.

NWA AWARDS PROGRAM 2002

The National Weather Association began its award program in 1977 to provide deserved recognition to those individuals involved in operational activities and to promote excellence. The Awards Program recognizes the professional as well as the volunteer. The emphasis is on the people who perform the day-to-day jobs of providing meteorological information and weather support services to the public. Names of previous winners and additional award information are available on the NWA Web site (www.nwas.org).

Award Categories are:

- **Operational Achievement Individual Award:** The award is presented to an NWA member who has made a significant contribution to operational meteorology (e.g., an accurate and timely forecast for one or more significant weather events or for long-period achievement).
- **Operational Achievement Group Award:** The award is presented to a group of two or more individuals for a significant contribution to operational meteorology. **At a minimum, a majority of the group (greater than 50%) must be NWA members.**
- **T. Theodore Fujita Research Achievement Award:** This award is presented to an NWA member whose research has made a significant contribution to operational meteorology.
- **Walter J. Bennett Public Service Award:** This award is presented to an individual or organization directly assisting the meteorological community in providing weather-related information to the public. *Individuals and organizations in the meteorological profession are ineligible for this award.*
- **Public Education Award:** This award is presented to an individual or organization providing significant contributions to increase the public's weather awareness.
- **Broadcaster of the Year Award:** This award is presented to an NWA member who is a Radio or Television weathercaster, or other member of the broadcast media, whose activities have significantly contributed to the development and presentation of weather information to the public service.
- **Aviation Meteorology Award:** This award is presented to an individual or group to recognize significant contributions to aviation meteorology such as impact of operational forecasts on aviation operations or advances in aviation meteorology including research in detection and forecasting of aviation hazards.
- **Local Chapter Award:** This award is presented to a Local Chapter of the NWA whose activities have significantly increased awareness of the weather and of the NWA in their local area.

- **The Larry R. Johnson Special Award:** This award is presented to an individual or a group to recognize unique events or extraordinary accomplishments, which significantly contributed to operational meteorology.
- **Member of the Year Award:** is presented to an NWA member in good standing who has made significant contributions to the organization over a period of time.

Narrative nominations (no more than two pages) with additional endorsements should be forwarded by 1 July 2002 to:

**NWA Awards Committee
Andrew Horvitz, Chairperson
1697 Capri Way
Charlottesville VA 22911-3534**

Although there is no rigid time requirement for the awards, the awards committee prefers that the accomplishment, if not on a continuing basis, occur within 18 months prior to the nominations. Please consider the appropriate category in your nomination. Self-nominations will not be accepted. If the nomination is not selected as the winner this year, it will remain valid for two additional years and the nominator(s) may update the submission if they desire. Winners will be honored at the NWA Annual Meeting Awards Luncheon, 23 October 2002, at the Radisson Plaza Hotel in Fort Worth, Texas.

- Andy Horvitz, Awards Committee Chair

SOL HIRSCH NWA EDUCATION FUND GRANTS

The NWA Education Committee needs help from all members to spread the word to teachers in grades K-12 that \$500 grants are available. The annual grants from the NWA Education Fund are to help teachers improve the education of their students in meteorology. The teachers selected will be able to use the funds to take an accredited course in atmospheric sciences, attend a relevant workshop or conference, or purchase scientific materials or equipment for the classroom. Three grants or more are possible in 2002 thanks to the many members who have contributed to this fund in honor of Sol Hirsch who retired in 1992 after being the NWA Executive Director for 11 years.

**Applications can be obtained from the:
NWA Education Committee**

P.O. Box 15011

Baltimore, MD 21282-5011

or from the NWA office or Web site (www.nwas.org).

Completed applications are due to the NWA Education Committee by 1 August 2002.

THE ELECTRONIC JOURNAL OF OPERATIONAL METEOROLOGY

The NWA Weather Analysis & Forecasting Committee reminds all readers that there are many articles posted on the *Electronic Journal of Operational Meteorology* on the NWA Web site (www.nwas.org). Articles are in two categories and more articles are always welcome.

• **Forecast Tools and Techniques** – Articles that are given an informal review by an associate editor for generally sound meteorological knowledge and any problems with grammar, units and figures. This section is clearly highlighted as containing articles in a **preliminary** state that have not gone through a formal review process.

• **Papers** – Fully peer-reviewed articles. An associate editor (expert on that subject) would be contacted to fully review the paper and editors would ensure the article is in proper format for publishing on the Web site. While focus on the review process is still to be rapid review, the expectation would be that this process would be more entailed than that for Forecast Tools and Techniques.

For further information, comments/suggestions and to submit articles, please contact the Co-Editors:

Alan E. Gerard, 523 Spring Hill Drive, Madison, MS 39110; NOAA/NWSFO Jackson, MS; (601) 939-2786; Alan.E.Gerard@noaa.gov

Steven Vasiloff, NOAA/NSSL, NWS Western Region HQ, 125 S. State Street, Room 1311, Salt Lake City, UT 84138-1102; (801) 524-5131; vasiloff@nssl.noaa.gov

Jeffrey P. Craven, NOAA/NWS Storm Prediction Center 1313 Halley Circle, Norman, OK 73069; (405) 579-0771 jeffrey.craven@noaa.gov

AVIATION NEWS

***The Front* — A New NWS Online Aviation Newsletter**

"The Front" is planned to be a bimonthly Aviation Newsletter containing various articles, news and information targeted to/for pilots and all involved/interested in the aviation community. The first edition, which explains how a pilot can perform a self-brief using the Internet, is posted to the NWS Central Region Web site in Acrobat pdf format at: www.crh.noaa.gov/crh/aviation/thefront.html

- Carolyn Kloth, Aviation Meteorology Committee Co-Chair

SEVERE WEATHER SURVEY

A severe weather warning/watch survey is online at <http://web.uccs.edu/geogenvs/survey.htm> hosted by: Eve Gruntfest and Kim Carsell, Department of Geography and Environmental Studies, University of Colorado at Colorado Springs. The data will be collected through at least the end of July 2002. — Jeff Craven

NWA BROADCAST COMMITTEE

Telling The Weather Story

I have been reviewing weather tapes from NWA Seal candidates for more than three years and have been in television for nearly 16 years, and I am still amazed at the trouble some have telling what should be a simple story.

Part of the problem is from "too many cooks spoiling the broth." Some consultants and well-meaning news directors provide guidance on what a weathercast should look like based on their market research. While some suggestions may be beneficial, I have always felt that an experienced broadcast meteorologist may have a better feel for what the viewers want. I have been successful by doing things that some consultants disagree with — like showing national weather maps and educating the audience while providing a consistently reliable forecast. You would be amazed at how many people love weather and wanted to study it when they were younger. Viewers do not want a fast-paced, graphic-intensive weathercast. They want the weathercast to be the portion of the news in which they can sit back, relax, learn something and get an easy to understand forecast at the *end* of the story, not *at the start* as some "forecast driven" presentations offer.

Another part of the problem comes from the broadcaster wanting to dazzle viewers with graphics and animations, while throwing in all kinds of weather tidbits...and a jet stream for good measure. If I use a jet stream animation once in 3 months, I'm lucky. At the same time, you would be amazed at how much information can be found in a few simple satellite loops...maybe one national and one local. Just pointing to clouds and moving on to the next graphic is like using Doppler radar only for base reflectivity and throwing out the rest of the data. Satellite loops have a lot of information, and you will get a lot more out of satellite analysis than any jet stream alone will give you. Cloud movement, height, locations of jet streams and streaks, low pressure centers, fog, inversions, lake-enhancement, vorticity centers, cold-air damming, etc., can often be witnessed on a variety of satellite loops, and talked about in your show in layman's terms.

The smoothest shows I have seen start with a quick look at the climate data, go to current weather, *satellite* and radar loops, forecast maps and then the *text* forecast. You can tweak that based on your area, but basically, a simple show each night goes further than all wild animations. There is certainly a place for creative graphics, but once or twice a week at most. Every tape I watch these days has a jet stream, yet so few can adequately explain what it is and how it affects our weather in the short time available. Don't use elements just to show that you studied meteorology. That fact will come across just by putting on a smooth, well enunciated, thorough and reliable weathercast every day. Send your thoughts to me at skye@fuse.net. — Rich Apuzzo, Committee Chair

MEETINGS OF INTEREST

Sixth Annual Ohio Weather Symposium, 26 April 2002 sponsored by the NWS Forecast Office in Wilmington, Ohio and the Ohio River Forecast Center, as well as the Ohio State University Department of Geography, will be held at the Ohio Union Conference Theatre on the Ohio State University campus, Columbus, Ohio. The symposium is free and open to the public and will feature speakers from NWS Forecast Offices, the NWS Storm Prediction Center, NASA/Goddard Space Flight Center, Wright-Patterson AFB, and the NWS/NCEP Hydrometeorological Prediction Center (HPC), as well as a speaker from Kent State University. Presentation topics will include lake effect snow, an overview of the HPC, WSR-88D Radar Warning Decision Making, and many others. General symposium information, including times and directions to the Ohio Union can be obtained from a link on the OSU weather Web page at: <http://twister.sbs.ohio-state.edu>. Those interested in attending should e-mail their name, affiliation, and address information to the Co-Head Coordinators: Jennifer Hogan at Hogie15516@aol.com or Phil Shafer at shafer.79@osu.edu.

Mesonet 2002 Institute 23-26 June 2002, Oklahoma City, Oklahoma. In recent years, many states and countries have contacted the Oklahoma Mesonet for advice and information on how to run a successful Mesonet. This year, the OK Mesonet is inviting all interested to come to Oklahoma City for Mesonet 2002: An International Institute Presented by the Oklahoma Mesonet. It will feature the experiences, programs and strategies from the Oklahoma Mesonet's 15-year run from drawing board to internationally-recognized network, as well as those from several other successful Mesonets around the continent. The Oklahoma Mesonet's leadership at Oklahoma State University and the University of Oklahoma invite all interested parties to attend. For more information, please visit Web site: www.mesonet.org

Mid-Atlantic States Winter Storms Regional Conference 3-5 October 2002. The AMS Board for Operational Government Meteorologists, D-C AMS Chapter, AMS Board of Private Sector Meteorology, and the NWA Weather Analysis and Forecasting Committee are co-sponsoring an operations- and community-focused regional conference on Mid-Atlantic States Winter Storms to be held in the NOAA Auditorium and Science Center, Silver Spring, Maryland, on 3-5 October 2002. The NOAA Auditorium and Science Center is adjacent to the National Weather Service Headquarters. The theme of the conference is *"Improving Mid-Atlantic Winter Storm Forecasts, Warnings and Decision Making."* Invited papers will be presented on: Operational Forecasting Techniques and Procedures; Emerging Research and

Operational Applications; Communicating and Using Uncertainty; Community Interaction; and Public Awareness and Education. For more information or to provide suggestions to enhance this conference, please contact Major Ken Carey, Air Force Studies and Analyses Agency, 1570 Air Force Pentagon, Washington DC 20330-1570; Kenneth.Carey@pentagon.af.mil or see Web site: www.dc-ams.org.

Sixth Annual High Plains Conference will be held 9 - 11 October 2002 in Dodge City, Kansas, sponsored by the High Plains Chapters of the NWA and AMS. The conference theme will be fairly broad. The major emphasis will be on severe storms in the plains with mini sessions on aviation forecasting, winter storms, and a special session for storm chasers, spotters and emergency managers. For the latest information, please check Web site: www.crh.noaa.gov/lbf/hpams/main.htm

Next NWA Annual Meeting — 19-25 October, Fort Worth TX

Call for Abstracts

The National Weather Association's 27th Annual Meeting will be held at the Radisson Plaza Hotel, 815 Main Street, Fort Worth, Texas 76102, 19-25 October 2002. The Theme is *Building Partnerships to Meet the Challenges of 21st Century Weather*.

The Annual Meeting will include:

19-20 October: WEATHER BROADCASTER WORKSHOPS beginning Saturday afternoon and continuing 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. A separate TAPE SWAP for mentoring students is being considered for Saturday evening.

21-25 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.

The Annual Meeting Program Chairperson is Michael Vescio, National Weather Service Forecast Office, Fort Worth, Texas e-mail: Michael.Vescio@noaa.gov. The broadcaster workshop program chair is Dan Threlkeld of KFOR-TV in Oklahoma City, e-mail: ilikeweather@yahoo.com.

ABSTRACT SUBMISSION: The deadline for submission of abstracts is 1 June 2002. Abstracts can be sent via e-mail to the Program Chairperson at 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.

ABSTRACTS may also be sent via an Internet online form on the NWA Web site: www.nwas.org/2002abstracts.html.

Simply fill out the form in its entirety (you may cut-and-paste your abstract from your word processor into the form), and click on the "Submit Query" button at the bottom of the form.

If you are unable to submit your abstract via e-mail or the online form, please contact Mike Vescio or the NWA office. Presenters will be notified regarding the disposition of their abstracts by 15 August 2002.

For information on exhibits, accommodations, registration and the overall meeting program, please contact the NWA office at Tel/FAX: (434) 296-9966 or e-mail: NatWeaAsoc@aol.com.

NWA ANNUAL MEETING HOTEL INFORMATION: The Radisson Plaza Hotel is in downtown Fort Worth. The NWA discount rates are \$94 for a single room and \$114 for a double room. Please call Radisson Central Reservations at 1-800-333-3333 or the Reservations Department of the Radisson Plaza Fort Worth at 817-870-2100 and request the National Weather Association 27th Annual Meeting group rate.

- Mike Vescio, Program Committee Chair

JOB CORNER

Please see the Job section on the NWA Web site (www.nwas.org) for complete announcements and job links. Members who do not have Internet capability may request announcements from the NWA office at (434) 296-9966.

The Weather Channel's Meteorology Science and Strategy Department has an immediate opening for the position of *Climate Program Manager* who will manage and coordinate the climate information program.

Location: Atlanta, GA

Qualifications: Distinguished in field; Ph.D. in atmospheric or related science; Teaching experience; Experience in developing seasonal outlooks is a plus.

Responsibilities: Serving as a climate expert on The Weather Channel video network and for other business units as appropriate; Working with The Weather Channel departments in climate-related efforts; Coordinating meteorological continuing education initiatives; Speaking engagements; availability for interviews by other media; liaison with academic and government sectors. The individual will be expected to stay abreast of developments in climate and related sciences; doing one's own research and publishing is encouraged as time allows.

Skills Required: Expert on: climate change including global warming; physical and applied climatology; planetary-scale dynamics; ENSO, AO/NAO, PNA, PDO, MJO, droughts, and other climate signals and trends; Knowledgeable and objective relative to scientific and political aspects of global warming and the anthropogenic role; Exceptional oral and written communication skills, including the ability to explain complex scientific concepts to lay persons in simple, easy-to-understand terms; Effective on-camera presence, strong leadership and interpersonal skills, ability to work effectively in a team environment, proven instructional skills, and proficiency in use of computer applications.

Contact Information: Applicants should apply online at: <http://www.weather.com/jobs>.

Material can also be mailed to:

HR / Re: Climate Program
The Weather Channel
300 Interstate North Parkway
Atlanta, GA 30339

The Weather Channel is also seeking behind-the-scenes *meteorologists*.

Location: Atlanta, GA

Qualifications: Bachelor's degree in Meteorology or equivalent educational background plus at least 3 years full-time operational experience, or a Master's degree plus at least one year of operational forecasting experience.

Skills Required: Proficiency in weather analysis and forecasting is a necessity. Strong communication skills, leadership ability, computer expertise, and experience with TV weather graphics.

Other Information: Weekend, night and/or early morning work may be required.

Contact Information: Please send your resume to:

Kathy Strebe
Director, Operational Weather Graphics
The Weather Channel
300 Interstate North Parkway
Atlanta, GA 30339

Applied Weather Technology is looking for a *Marine Weather Routing Meteorologist*.

Location: Sunnyvale, CA

Duties: Global marine weather forecasting; shipping routing forecasts and recommendations; route voyage analysis.

Qualifications: Minimum B.S. degree or equivalent in Atmospheric Science/Meteorology or Physical Science. Minimum 4 - 5 years of marine weather forecasting experience preferably as Navy or Air Force Weather Officer.

Contact Information: Please send your resume with at least two references to:

Applied Weather Technology; Ops Manager
505 West Olive Ave Suite 315
Sunnyvale, CA 94086
Tel: 408 523 8000; Fax: 408 730 8648;
E-mail: jobs@appliedweather.com
Web site: <http://www.appliedweather.com>

Reliant Energy has an immediate opportunity for an experienced full-time *Climatologist* to join a successful and growing team.

Qualifications: Experience preparing long range and seasonal forecasts; ability to use GEMPAK or WXP software to create weather analyses and process raw weather data in-depth knowledge of, and experience with, GRIB files, Unix shell scripting, Fortran, C/C++ and NWS data sources strong written and verbal communication skills Bachelor's Degree in Meteorology or Climatology. An advanced degree in either discipline is preferred. The chosen candidate will be a team player and have a passion for weather!

Contact Information: To apply for this position, and to expedite the review and feedback of your application, please go to Web site: www.reliantresources.com and access the "Careers" section and reference job number WG-00103. You will be prompted to submit your resume and qualifications on-line, at which time the recruiter will be notified immediately of your interest.

The Science Center for Teaching, Outreach, and Research on Meteorology (The STORM Project) at the University of Northern Iowa seeks applicants for a *research associate* position. STORM, funded by NOAA, seeks to enhance public understanding of the atmospheric sciences and to improve access to and use of meteorological data for decision-making

Location: Cedar Falls, IA

Duties: The research associate will lead the meteorological remote sensing initiative for the Project, developing applications of remotely sensed data for agriculture and transportation interests. This individual will also deliver training and disseminate the results of their work through workshops, public forums, and site visits.

Qualifications: A Ph.D. in atmospheric science, or a closely-related field is required, as well as experience applying remotely sensed meteorological data to agriculture or transportation issues.

Skills Required: Excellent verbal and written communication skills are essential.

Other Information: The anticipated start date is 26 August 2002. Additional information is available at www.uni.edu/storm. Questions about the position should be directed to Prof. Alan Czarnetzki at 319-273-2152 or by e-mail to Alan.Czarnetzki@uni.edu.

Contact Information: Send cover letter, resume, and names, mailing addresses, email addresses and telephone numbers of three references to:

Research Associate/Earth Science Search Chair
Human Resources
104 Gilchrist

University of Northern Iowa
Cedar Falls, IA 50614-0034.

Fax: 319-273-2927.

E-mail: HRS-Applications@uni.edu.

3D Research Corporation (3DRC) is soliciting resumes for *forecasting and observing positions* for various locations. 3DRC is a small, woman-owned company that provides meteorological support services to a variety of customers

Locations: Multiple.

Qualifications - Forecasters: Bachelor's degree in Meteorology or a graduate from a military weather forecasting course. At least 3 years of forecasting experience is mandatory; tropical weather forecasting is desired for some positions. All candidates must also have prior observer training and certification and must have experience in satellite analysis and radar meteorology.

Qualifications – Observers: Observers must be graduates of a military weather course and have at least 3 years of operational observing experience. Candidates must be familiar with military weather support requirements. Observers must have a strong background in using computer-communication networks, use of meteorological equipment, including back-up procedures, and be willing to work rotating shifts. Upper air experience (rawinsonde/PIBAL) is desirable.

Skills Required: Strong computer skills are required of all candidates.

Other Information: 3DRC provides a strong package of employee benefits, with several options to fit employee needs.

Contact Information: Please send resumes or call for additional information to: Rocco Calaci, 923 Holbrook Circle, Fort Walton Beach, FL 32547; Tel: 850-315-1021 e-mail: rjism99@cox.net

Rapid Weather has several positions available for *operational meteorologists*. We work with several employers who are looking for qualified candidates to fill positions nationwide. Job interviews are guaranteed for fully trained meteorologists. Go to Web site: www.rapidwx.com and click on "employment" for more information.

Innovative Emergency Management, Inc. (IEM), <http://www.ieminc.com>, a research-based consulting firm specializing in risk assessment and emergency management, is seeking a *Meteorologist* to locate to any IEM office. (UT, AL, LA, DC, or MD)

Qualifications: Master's degree in Atmospheric Science or Meteorology with minimum 5 years of experience. The ideal candidate will be an experienced consultant familiar with EPA guidelines and using commercial models. The candidate must also be able to keep track of budgets and work with corporate executives on defining new business opportunities. The candidate may also occasionally test new air dispersion models and other highly technical software tools.

Skills Required: Working knowledge of dispersion modeling, both air and ground-water; In depth-familiarity with EPA regulatory guidelines and using commercial EPA models; Ability to communicate rapidly and effectively under pressure with various levels of decision makers and with technical and non-technical audiences; Moderate to heavy experience with customer-interaction and interfacing including product demonstrations, trade-show presentations, etc.; Excellent written and oral communication skills.

Preferred Skills: CCM certification. Some experience in the area of nonattainment both regulatory and modeling; 2-3 years consulting experience in the environmental consulting arena.

Contact Information: Please e-mail resume & salary requirements to: Becky Theriot, HR Generalist at: becky.theriot@ieminc.com

The Weather Channel Radio Network is currently recruiting qualified candidates for future opportunities. Our *Radio Broadcast Meteorologists* operate in a 24/7 environment and provide value-added weather forecasts and related information plus timely & accurate severe weather coverage for radio stations nationwide. TWC Radio Network is also a provider of forecasts and weather related audio products to Satellite Radio, the Internet, and other TWC platforms.

Location: Atlanta, GA.

Qualifications: Ideal candidates will have strong broadcast skills and a working knowledge of meteorology (BS in Meteorology or related science a plus but not required). Broadcasting and/or operational forecasting experience is preferred. Successful candidates must be flexible to work various shifts supporting our 24/7 broadcast operation.

Contact Information: Submit audiocassette aircheck and resume to: The Weather Channel, ATTN: Ken Boone, 300 Interstate North Parkway, Atlanta, GA 30339.

The National Weather Station has *Weather Broadcasting Position* openings starting in the Spring in our northern New Jersey office. The position mainly pertains to weather broadcasting on radio stations. We are hiring *part-time and full-time meteorologists/weathercasters and interns*. We will train. You must possess excellent on air presence including a good voice for broadcasting as well as a good command of the English language. We prefer those with a degree in

meteorology, certification from the military or certification from MSU (Mississippi State University) meteorology department or the equivalent. You must live in the northern New Jersey area. Contact Information: Please send resume and demo audio tape to: Attn: Dan Ventola, The National Weather Station, P.O. Box 1063, Lodi, N.J. 07644

ACCU WEATHER, INC., offers career opportunities with the world's leading and most diversified commercial weather service. You will have exciting opportunities to handle all types of weather forecasting for major business, media and government organizations. These include on-air broadcasting for radio stations; creative presentation of weather graphics; preparation of television and newspaper forecasts; snow and ice warning services; worldwide forecasting for agriculture; specialized forecasts for the transportation industry, utilities, businesses and resorts; computer applications and many others. You will work with some of the nation's leading forecast meteorologists in our new state-of-the-art Global Forecast Center, interacting with a staff of 350 employees. Our facility provides our 93 forecast meteorologists with tools and computer technology unavailable elsewhere. Applicants need to be articulate and productive with outstanding forecasting and communication skills. Through progressive advancement, forecasters can become on-air meteorologists in major radio and television markets, or become involved in computer operations, graphic design, new product development or customer relations. *AccuWeather also has positions available on their computer staff for meteorologists with programming experience.* AccuWeather offers competitive salaries and an extensive benefits package including health insurance, 401K and profit sharing plans, life insurance and disability income. If you are an enthusiastic, hard working forecaster interested in employment in a dynamic growing company which offers superior opportunity for advancement.

Contact Information: Send a detailed resume to: David H. Dombek, Director of Forecaster Hiring, AccuWeather, Inc., 385 Science Park Road, State College, PA 16803
Fax: (814) 231-0621; e-mail: resume@accuwx.com.

NATIONAL WEATHER ASSOCIATION
1697 CAPRI WAY
CHARLOTTESVILLE VA 22911-3534

NWA Newsletter (ISSN 0271-1044)

Editors: Frank Brody, Larry Burch and Eli Jacks
Publisher: Kevin Lavin, Executive Director
Published monthly by the National Weather Association (NWA),
1697 Capri Way, Charlottesville, VA (USA) 22911-3534
Tel/FAX: (434) 296-9966; e-mail: NatWeaAsoc@aol.com
Web site: www.nwas.org

Submit newsletter items directly to: Editor NWA Newsletter, Frank Brody at NewsletterNWA@aol.com; Eli Jacks at Elliott.Jacks@noaa.gov; Larry Burch at Larry.Burch@noaa.gov 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. Contact the NWA office or view the Web site for membership information. 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.

MORE ON BUILDING PARTNERSHIPS

The National Research Council has established a committee to undertake a study on partnerships in the provision of weather and climate services. The study, which is being funded by NOAA's National Weather Service, will issue a report by December 2002. The committee was charged to examine the roles of the public, private, and academic sectors in providing weather and climate services, and to identify opportunities for and barriers to improving such services.

More complete information is available on the committee's Web site:

<http://www4.nationalacademies.org/dels/publicprivate.nsf>

Readers can see what comments have been sent in and they can also enter comments or send a white paper. For further information, please contact Dr. Anne Linn, Study Director, at alinn@nas.edu or Tel: (202) 334-2744.