

PRESIDENT'S MESSAGE

Over the past several weeks, I have had the opportunity to visit with several folks in the broadcast field about the NWA. They have heard that the NWA conferences are packed with operational material that they can take back to their stations and make an immediate difference with, and that the NWA is a very inclusive organization without regard to where one went to college or the type of degree. The word is spreading and I am very excited to hear that the positive message of the National Weather Association is filtering through the meteorological community. It is important as the organization continues to grow that we keep the doors wide open and heartily welcome a diverse membership. Please keep spreading the word!

No more cold fronts!

What would you do if your boss came into the office and said, “starting today, you can’t use fronts, isobars, streamlines, or even current temperatures in presenting the weathercast”? Unfortunately, this is what I have been hearing from people in the broadcast field. As the NWA works to promote technology, education and more weather awareness, some “consultants” have encouraged TV stations to “dumb down the weather.” They cite research that the public isn’t interested in the why behind the weather and they don’t understand what a front is. To make matters worse, some consultants are suggesting that no weather outside the station’s viewing area be mentioned. So, some weathercasters are faced with only using a time-stamped, model-based precipitation and temperature animation. These consultant driven trends are why the NWA needs to be involved in the education of news managers. We have again invited the chairman of the Radio Television News Directors Association to attend and speak at the NWA annual meeting. If the people running news organizations better understand the technology and our mission to educate the public for better understanding and proper safety actions, we will all have a better chance of keeping television weathercasts as informative as possible. This issue also has huge implications to the NWA seal of approval process, which requires a sound explanation of the forecast and sufficient geographical reference coverage.

Flying-disks and UV Radiation

Can a Frisbee-like disk be used to show the dangers of ultraviolet radiation? The answer is yes! The EPA has a new program for educators, meteorologists and health professionals, which includes a sun-sensitive flying disk. Cover part of the disk with sunscreen and leave the rest bare, then take the disk outside and in a few seconds watch the untreated portion turn an ugly purple. This is a great visual aid that all of us can use when visiting schools or for TV weathercasters to show during outdoor live broadcasts. I’m not sure what those consultants would say, but I saw it used very effectively in a TV broadcast and went to the EPA Web site (www.epa.gov/sunwise/) to order one through the program representatives.

Are you ready to be the expert?

In this new era of terrorism threats and homeland security issues, we as meteorologists may be asked by family, neighbors and the general public about scientific areas we may not know enough about. For instance, what if there was a release of a biological agent in your area and you were asked about how this substance would disperse in the air or water and how far downwind or downstream will it travel? In many of our communities, we are the people that will come to mind as the “subject experts.” As we stay aware of the atmospheric environment, we may have to broaden our horizons and think “how will I respond in a worst case scenario.” What resources including personal contacts do you need to have right now to call upon at a moment’s notice?

Looking forward to seeing many of you this October in Fort Worth at the NWA Annual Meeting!

- John McLaughlin
johnmc49@ecity.net

IMPORTANT DATES AND EVENTS

21 September -- deadline for making room reservations at the Radisson Plaza Hotel at discount rates for the NWA 27th Annual Meeting 19 - 24 October 2002. See page 7.

5 October -- Preregistration deadline for the NWA Annual Meeting. See page 8.

See MEETINGS on pages 4-5 for other important dates.

Sometimes You Can't Go Back

Recently I spent some time talking to and consulting a friend of mine who is a broadcast meteorologist on the east coast. He had previously worked weekends in a small Midwest market, but jumped at the chance to work 5 days a week doing mornings out east. His goal all along has been to be a chief meteorologist some day and that opportunity presented itself about a month ago. The tricky part of the offer was that it was at the station he just left to head east. The management had changed, but some of the same concerns he had remained and he turned down the offer. I believe it was a smart decision for him.

I have also been through this experience. More than a decade ago, I was released from a job in a great city. Prior to moving there, I was working happily in great city number 2. So, after I was let go, I thought that maybe I could go back to City 2, since I had done well there and left on what I thought were good terms. That was a mistake. When I stopped by the City 2 station to drop off a tape, I was treated well by my old friends, but the management didn't seem interested and after I left the tape, they basically showed me the door. I have seen some other weather (and sports) anchors who have gotten jobs back in their old markets, only to fail in the ratings and never regain the popularity they once enjoyed. Just because you get hired again at the old shop, doesn't mean you'll succeed. In fact, of all the examples I can think of, no one has been extremely successful in going back.

There's more involved than just the management, market size or a change in job title when you try to go back to a place you have been before. You have to remember that you're broadcasting to people, not machines, and they have feelings. They may have liked you when you were there, but as in any relationship, once you break-up, they move on to someone new. It would seem to be easy to move back to an old market since you know the viewers, the local climate and places in town to live. But, there is something to be said for staying where you are if you're doing well or moving to a new part of the country if you're not doing well or looking for a more responsible position. You have to remember why you left the old location in the first place...better money, a bigger market or a better position? Do you remember the problems you saw and complained about at the old place, or the things you didn't like in the market? Well chances are, things haven't changed too much. I know jobs are tight and your choices may be limited, but going back may not be the best career path.

Send your thoughts to me at skye@fuse.net.

Thanks to Scott Lind who sent in a great letter to the editor in response to last month's articles on severe weather broadcasting.

- Rich Apuzzo, Broadcast Meteorology Committee Chair

I enjoyed the topics of TV severe weather coverage in the May-June newsletter. For several years, my station has been doing continuous severe weather coverage during tornado warnings. It has been so successful that other stations in our market have changed their severe weather policy to match ours. If there's a tornado warning for our viewing area, we go on the air and stay on until the threat is over. Recently, we had a tornado touch down west of Cedar Rapids. Warning sirens started sounding soon after the touchdown. Unlike most of our tornadoes, which will occur in the late afternoon and evening, this one dropped down a little after noon. During the TV coverage, I stopped and spoke directly to the kids who were home alone. We went over the safety guidelines and used a phrase that I teach in all my school visitation talks: **"Don't be scared, be smart."**

I received several positive comments about my on-air "talk" with the kids. I'd like to share two of these letters:

Dear Scott:

Thank you for taking every opportunity to calm the many boys and girls who were home by themselves during the tornado sirens this past week. It is the first time I have heard any weatherman talk directly to the kids. I was so impressed and thankful for your insight. I like your phrase, "don't be scared, be smart." The tornado siren can be unnerving even for some adults. Thank you again for speaking directly to the kids! Hopefully they will remember that Scott said, "don't be scared, be smart."

Sincerely,
Linda S.

Dear Scott:

Thank you for the great weather coverage yesterday. My daughter, who is 11, was home alone for the first time when the sirens went off yesterday. She went downstairs and turned on KCRG and you were explaining to the kids home alone what to do. I asked her when I got home shortly after the sirens if she was listening to Scott Lind. She said, "Yes I was."

Thanks again for the great job,
Lutie G.

I don't know how all meteorologists feel, but letters like this make my extra hours of storm coverage, missed family events and late night storm "baby-sitting" well worth it!

Best regards,
Scott Lind
KCRG-TV 9 Weather
Cedar Rapids, Iowa

◀ IN MEMORIAM ▶

John Raymond Hope (1919-2002), long time NWA member and one of the country's leading hurricane forecasters, died June 13, 2002 of complications related to heart surgery. He was 83 years old. For nearly 20 years, The Weather Channel viewers turned to John Hope for information and guidance when tropical weather threatened their homes. He joined The Weather Channel in 1982 as the Tropical Coordinator and an On-Camera Meteorologist, becoming a key source of information for U.S. coastal residents during hurricane seasons. He was cited as the "voice of reason" when broadcasting on The Weather Channel, and weather experts often acknowledged Hope as "the man America watches" when hurricanes approached the United States. Hope's expertise in tropical weather reached back to 1968, when he joined the National Hurricane Center and quickly rose to the position of Senior Hurricane Specialist.

John Hope was born on May 14, 1919. He was the second of five children and raised on a dairy farm in Stowell, Pennsylvania. He attended grammar school in a one-room classroom that was often reached by a long walk through the woods in the snow. Hope was a struggling high school student in Wyalusing and Meshoppen, Pennsylvania, following his mother's death in 1934. He worked at a local A&P grocery store following high school graduation in 1936.

Hope joined the Army Air Corps in 1941 and served for four years attaining the rank of Master Sergeant. He attended Weather Forecaster's school at Grand Rapids, Michigan and saw duty with the 17th Weather Squadron in the Southwest Pacific. Like many in his generation, Mr. Hope returned to the United States following the war with a new sense of purpose. He attended the University of Illinois, where he was elected to Phi Beta Kappa and majored in mathematics. He then earned a master's degree in meteorology from the University of Illinois. While there, he met Bernice La Pira, to whom he was married for 55 years.

His career in the United States Weather Bureau began in 1949 as a district forecaster in Memphis, Tennessee, where he worked for nearly 13 years. He was deemed to have the right stuff by the Spaceflight Meteorology Group in 1962, joining the organization in Miami supporting the John Glenn launch.

In 1968, Hope moved to the National Hurricane Center in Miami. Over just three decades, Hope went from releasing and tracking weather balloons outside the old Memphis Airport Terminal, to working on manned space flights to the moon and programming some of the then largest computers in the world. Hope earned international recognition for his technical work. He learned from visiting Chinese scientists that he and Neumann were very well known and appreciated in scientific circles in China.

Hope's enthusiasm for weather was extended to young people in 2000, when a college scholarship was established in his name by The Weather Channel. The scholarship is perpetually endowed by The Weather Channel and administered by the American Meteorological Society.

John Hope's many honors included the U.S. Department of Commerce Silver Medal, the National Hurricane Conference Media Award and The Neil Frank Award from the National Hurricane Conference. He was a fellow of the American Meteorological Society. Hope wrote about weather for a variety of publications and journals and lectured around the world. In a 1997 interview published by his hometown paper, *The Rocket Courier* of Wyalusing, PA, Hope said, "If my legacy can be that I have made a contribution to this nation being better prepared to cope with the devastation wrought by hurricanes, and to have helped in the success of my company, I am content."

Hope is survived by his wife, Bernice; his daughter Camille L. Hope; sons James C. Hope, Dr. Thomas D. Hope and Joseph R. Hope; his brother, Leonard Hope; and six grandchildren.

- From *The Weather Channel* news releases and 17WS history

MEMBER NEWS

Todd Adams, Jackson County, Mississippi Civil Defense Director has completed the requirements for Mississippi Certified Emergency Manager. He received the designation on 10 June 2002 at the summer conference of the Mississippi Civil Defense / Emergency Management Association (MCDEMA). The certification program is based on years of experience, classroom training, independent study, and other commitments to the profession. Mr. Adams also earned the NWA Broadcaster Seal of Approval, issued in 1998 while he was at WLOX TV in Biloxi, MS.

Joe R. Kelley long time member of the NWA now devotes most of his time to fine art painting. His work can be viewed on-line at <http://www.joesfineart.com/> Joe was the co-designer of the NWA logo. After a career in the USAF Air Weather Service, he was instrumental in starting the Global Weather Dynamics (GWDI) forecasting center in Monterey, CA. In 1986, Joe joined Surface Systems, Inc (SSI) in St. Louis, MO and designed and established the first forecasting center specifically for roadway and runway forecasting. He became the CEO of SSI in 1991 and retired from SSI in 2001.

Mary M. Cairns, a NWA Councilor, has moved to the Office of the Federal Coordinator for Meteorology (OFCM) at 8455 Colesville Road, Suite 1500, Silver Spring, Maryland 20910. She was previously the Science and Operations Officer at the NWS Forecast Office in Reno, NV. Her e-mail remains Mary.Cairns@noaa.gov.

STATEMENT OF NWA INCOME AND EXPENSES FOR 2001

INCOME FOR 2001

Membership Dues	\$ 66,843.50
Donations:	
Sol Hirsch NWA Education Fund.....	4,444.50
General Fund Donations.....	4,814.10
Subscriptions.....	4,013.80
Publication Page Fees	8,130.00
Reprints.....	1,116.00
Radio-TV Certification.....	14,100.00
Publication Sales.....	1,208.00
Advertising Sales.....	285.00
Annual Meeting.....	23,989.79
Postage Reimbursement	81.00
Interest.....	8,632.98
Dividends.....	2,636.52
NWA logo items.....	744.00
Miscellaneous.....	356.50

Total Income	\$141,395.69

EXPENSES FOR 2001

Digest Printing.....	\$ 9,024.54
Digest Layout	5,560.72
Newsletter Printing.....	6,316.49
Reprints	843.99
NWA Seal of Approval certificates	575.00
Other Printing.....	1,964.68
Personnel Salaries.....	30,000.00
Temporary Help Fees	6,806.00
Taxes and Soc. Sec/Medicare.....	3,808.61
Payroll Management Fees	529.65
Postage and Shipping.....	23,722.93
Annual Meeting.....	15,147.43
Communications.....	1,739.49
Equipment and Maintenance.....	1,398.25
Office Supplies.....	2,119.45
Awards.....	2,412.95
Education Fund Grants.....	1,500.00
Travel	1,750.17
Refunds	1,247.00
Storage rent	532.50
NWA logo items.....	780.72
Miscellaneous.....	847.87

Total Expenses.....	\$118,628.44

INCOME over EXPENSES \$ 22,767.25

This is a summary of the NWA's IRS Form 990 submitted in mid-May for organizations exempt from income tax. Net fund balances at the end of 2001 were \$286,284.63. Reserve funds are growing as planned to be able to fund office space and a larger paid staff in the future as well as to support more initiatives, grants and scholarships.

- Exec. Dir.

MEETINGS OF INTEREST

• **The 2002 Southwest Weather Symposium will be held at the Monte Carlo Hotel and Casino in Las Vegas, Nevada on 4-5 September 2002.** The purpose of the Southwest Weather Symposium is to bring together operational forecasters, academic professors, researchers and climatologists interested in the weather and climate of the southwestern U. S. and northwestern Mexico. Symposium sessions will include presentations on the following topics:

- Applications of Multiscale Numerical Models to Forecasting
- Climatology of the North American Monsoon Circulation
- Quantitative Precipitation Monitoring and Forecasting
- Low-Level Moisture Surges from the Gulf of California
- Severe Thunderstorm and/or Flash Flood Forecasting
- Hydrological Applications to Forecasting
- Remote Sensing Applications
- Winter Weather Forecasting
- Fire Weather Forecasting

For more information:

<http://www.wrh.noaa.gov/lasvegas/swws.shtml>

• **The Sixth Annual Great Divide Workshop will be held 10-12 September 2002 in Great Falls, Montana,** hosted by the National Weather Service in Great Falls, Montana. The workshop will begin at 1 pm on 10 September and conclude at 11 am on 12 September. The workshop provides a forum for participants to share information and to discuss ideas involving new tools and techniques for providing weather forecasts for the Inter-mountain West and Western High Plains, across the U.S. and Canada. In addition to formal presentations, time will be reserved for poster sessions. A distinguished group of invited speakers will be participating, and there will be an evening banquet. This year's workshop will be held at the Town House Inn (telephone 1-800-442-4667). Town House Inn offers a shuttle service to and from the airport and is located within walking distance of a variety of restaurants and a shopping mall. Please mention the National Weather Service when making your room reservation. Additional information and registration forms are available on Web site:

<http://www.wrh.noaa.gov/Greatfalls/tfx.php?SPECIAL+gdregist.html>. For questions, please contact Gina Loss: Telephone: 406-453-2081; Fax: 406-453-3812

• **Air Weather Association Reunion will be held in Dayton, Ohio, 18-22 September 2002** along with the Air Weather Reconnaissance Association and other Air Force Weather alumni associations. The reunion hotel will be the Dayton Marriott Hotel. Activities will include tours of the Air Force Museum at Wright-Patterson AFB and banquets. It will conclude with Brunch at the hotel on Sunday morning, 22 September. For more information see Web site:

<http://www.airweaassn.org> or e-mail: AirWeaAssn@aol.com.

• **GOES Users' Conference II, 1-3 October 2002, Boulder, Colorado at the NIST Auditorium.** This conference will focus on the third generation of the Geostationary Operational Environmental Satellites (GOES R Series) which will provide a burst of new operational data in the next decade unlike anything seen before in the history of earth

observations. With first launch scheduled for 2012, these new GOES will be a sophisticated, data-rich series of satellites.

The conference will highlight the following four themes: 1) informing users of future capabilities and potential applications, 2) determining user needs, 3) assessing user and societal benefits of future systems, and 4) developing methods to improve communications between NESDIS (National Environmental Satellite, Data, and Information Service) and GOES users. For more information visit Web site:

<http://www.osd.noaa.gov/announcement/index.htm>

For online registration visit: www.boulder.nist.gov/blconf.htm

For other information, contact the Program Chairman: Jim Gurka, at NOAA/NESDIS James.Gurka@noaa.gov

• **Mid-Atlantic States Winter Storms Regional Conference 3-5 October 2002.** The American Meteorological Society (AMS) and National Weather Association (NWA) are teaming to cosponsor another first—a unique gathering in October 2002 to assess the current state of knowledge of winter storms that impact the mid-Atlantic region of the United States. Born of a collaboration among the AMS Board for Operational Government Meteorologists (BOGM), AMS Local Chapter Affairs Committee (LCAC), AMS Private Sector Board, the District of Columbia AMS Chapter, NWA's Weather Analysis and Forecasting Committee, and the National Weather Service, the conference seeks to discuss, in detail, the end-to-end cycle of forecasting, communication of the forecast and its uncertainty to forecast users, integrate feedback from customers and the public, and propose improvements in the process to enhance the linkage between the weather provider and customer. This meeting will be held at the NOAA Auditorium and Science Center in Silver Spring, Maryland, from 3-5 October 2002. **Registration details may be found at Web site <http://www.dc-ams.org>.**

Several prominent invited speakers will also be participating. Louis Uccellini, NCEP Director, will speak on "Advances in Forecasting Snowstorms along the East Coast." Lance Bosart, professor of meteorology at SUNY-Albany, will present an interesting talk on "The Human Forecaster on the S.S. *Titanic* Amidst a Sea of Automated Icebergs: Master of Deck Chair Rearrangement or Captain of the Ship?" Bob Ryan, chief meteorologist of NBC Channel 4 in Washington, D.C., and former AMS president, will be the guest speaker at an evening reception, presenting "Winter Weather — Communication, Uncertainty and Better Decision Making." Dr. Paul Kocin, winter weather expert from The Weather Channel, will discuss "Winter Weather Awareness and Public Safety." While geared toward the forecasting of mid-Atlantic cyclones and their associated weather, the conference has great potential to reach beyond its regional scope. Our goals are to bring together operational and research meteorologists, community leaders, and decision makers to understand the current capabilities and limitations in winter storm forecasts, discuss initiatives that will improve winter storm forecasts and warnings, and communicate and disseminate those forecasts and warnings to public and private sector customers. For further information or suggestions to enhance this conference, please contact Major Ken Carey, 703-588-8628, Kenneth.Carey@pentagon.af.mil.

- Patrick Market (Univ of MO at Columbia) & Ken Carey

• **Sixth Annual High Plains Conference will be held in Dodge City, Kansas, 9-11 October 2002** sponsored by the High Plains Chapters of the NWA and AMS. The conference is scheduled to take place in the recently restored historic Santa Fe depot and theater in downtown Dodge City. Some meals will be included in the very modest conference registration fee. A banquet is planned the evening of the 10th.

Sessions will begin the morning of the 10th and run through early afternoon on the 11th. The main theme of the conference will be high plains severe convective storms. Papers are solicited on all aspects of severe convection in the high plains. Keynote speakers will be Dr. Charles A. Doswell III, Senior Research Scientist at CIMMS and noted author, and Dr. Eve Grunfest, professor of Geography from the University of Colorado/Colorado Springs. A panel discussion will be conducted regarding aviation weather concerns, with guest panelists from the FAA and the aviation community at large.

Authors should submit abstracts of one page or less to Jim Johnson at jim.johnson@noaa.gov. Abstracts may also be mailed to the National Weather Service, 104 Airport Road, Dodge City, KS 67801. **Deadline for abstracts is 15 August 2002.** For additional information on the conference, online abstract submission, registration and preregistration please visit the chapter Web site at: <http://www.highplains-amsnwa.org>.

For the second year in a row, the High Plains Chapter also announces a **student paper competition** geared toward graduate and undergraduate students in meteorology. There will be a scholarship awarded for first and second place in the student competition. Provisions are also available for vendors and/or vendor displays. We anticipate little or no charge for vendor space. Those interested should contact Jim Johnson at jim.johnson@noaa.gov.

• **27th NWA Annual Meeting Update.** The meeting period will now be from 19-24 October 2002. The Friday morning sessions have not been well attended over the last couple of years so the meeting is now scheduled to adjourn late on Thursday afternoon. Please see more complete information and the preregistration form on page 8.

If you are interested in playing in a Golf Tournament prior to the meeting on Saturday morning, 19 October, please contact the NWA office at NatWeaAsoc@aol.com or (434) 296-9966, or contact Betsy Kling at bkling@firstcoastnews.com by 1 September.

• **The Symposium on the Fujita Scale and Severe Weather Damage Assessment** will be held 10-11 February 2003 as part of the 83rd Annual AMS meeting in Long Beach, CA. **The NWA will co-sponsor this symposium.** The deadline for abstracts has passed. However, late submissions will be considered. Send to gforbes@weather.com. Point of Contact: Dr. Greg Forbes, The Weather Channel, 300 Interstate North Parkway, Atlanta, GA 30339; tel: (770) 226-2045; e-mail: gforbes@weather.com.

For additional information on meetings, conferences and special events, please visit the NWA Web site at www.nwas.org

LOCAL CHAPTER NEWS

“Dr. Lightning Strikes Again!”

It happens in two-millionths of a second, yet so much can be learned from one lightning strike...if it is strategically placed.

The **North Florida Weather Association** traveled to a secluded 100-acre section of Camp Blanding near Starke, Florida home to the University of Florida’s International Center for Lightning Research and Testing (ICLRT). The only facility of its kind in North America, the ICLRT is home to the research of Dr. Martin Uman, Professor and Chairman of UF’s Electrical and Computer Engineering Department in Gainesville, Florida.

Each summer at the ICLRT, an average of 80 rockets, trailing Kevlar covered copper wire, are sent into the atmosphere with the hope of triggering a lightning strike. “We have to convince the cloud it wants to connect,” says Dr. Uman. Nearly 60% of the time, it does. Winters in Dr. Uman’s Gainesville office are spent analyzing the data. Here in “Lightning Alley,” research is focused on the physics of lightning and testing its behavior and effects on power lines, airport runway lighting systems, and homes. Funding for the projects comes from Florida Power and Light, the Federal Aviation Administration and the National Science Foundation. The site has even been used to test the possibility of lightning strike detonations of highly explosive materials. The ICLRT is also home of the world record, 17-foot fulgurite, a glassy root-like tube formed when a lightning stroke terminates in dry, sandy soil.

When asked about his most significant findings, Dr. Uman proudly remembers his research in the early and mid 1970s, which led to the National Lightning Detection Network, developed at the ICLRT with the help of researchers from the University of Arizona.

In the next few months, Dr. Uman will be published in the *Bulletin of the AMS* with an article on the consistency of surge protection devices in homes.

-Betsy Kling (bkling@firstcoastnews.com)

Corresponding Secretary, North Florida NWA Chapter

President Frank Nocera convened the meeting of the **National Weather Association Southern New England Chapter** at 10:25 AM on Saturday, June 8, 2002. The meeting was held at the EcoTarium, a science and nature center in Worcester, MA. Nineteen chapter members attended.

President Nocera reminded the members about an upcoming meeting that the local chapter will be co-sponsoring. It is the **Third Southern New England Weather Conference, which will be held at the Wachusett Mountain Ski Area and Conference Center in Princeton, MA. The conference will be held on Saturday, November 2, 2002. For more information about the Third Southern New England Weather Conference, see Web site:**

<http://www.erh.noaa.gov/er/box/2002SNEWeatherConference.shtml>

Secretary Ed Capone has developed a new Internet Web site for the NWA Southern New England chapter on his Atlantic Coast Observer Network web page. This web site will have minutes from all meetings and updates about the chapter, as well as **future** meeting announcements. Check out the new Web site at: <http://users.rcn.com/hydromet/nwa1.htm>

Upon completion of meeting announcements, President Nocera presented the guest speaker. Susanna Hopsch, a graduate student from the University of Massachusetts at Lowell, gave a presentation entitled, Development, Propagation and Erosion of Severe Convection across southern New England. This is a collaborative COMET project with UMass at Lowell and the National Weather Service in Taunton. Her research consists of severe convective events (large hail [dime size and larger] and damaging winds) during the summers of 1999, 2000, 2001 and 2002. The events were divided into two categories: sustained convection and dissipating convection. Several severe weather parameters were examined, including CAPE, Cin, Richardson Index, latent heat flux, and theta-e, as well as surface conditions such as wind speed, direction and temperature, to determine which of these parameters varied in the two types of convection.

An inner model nested grid was developed encompassing southern New England using the MM5 mesoscale model, with 4 kilometer horizontal grid resolution. Outside the inner grid, a 36 kilometer grid resolution was utilized. The Southern New England area was then divided into five separate zones, which includes a north coast (including from Boston to Cape Ann) to the mountains, western zone (Massachusetts and Connecticut), south coast (Rhode Island and southeastern Massachusetts), central zone (including Worcester) and an east zone which includes Cape Cod.

There were 11 identified cases: nine with sustained convection, and two dissipating convection. Events for 2002 are still being archived and analyzed. Initialized boundary conditions for these cases was retrieved from the 1200 UTC AVN model run, which was updated every three hours to keep the model in line with current conditions. The AVN was the model of choice for initial boundary conditions, as there is a consensus among the research community that the AVN produces more consistent initial boundary conditions than the Eta. Once the data was input, model sounding data was generated for each station within the determined zones, then calculated severe weather parameters. A model reflectivity field was also developed, and compared to WSR-88D radar data. Two of the eleven sustained cases were presented. Susanna showed how well the model reflectivity matched up with the actual Doppler radar reflectivity from the NWS in Taunton MA.

Susanna then showed comparisons of the severe weather parameters from each zone between the sustained and dissipating cases. This demonstrated slight but discernable differences in each case for each parameter. Another interesting result of the study showed some lag in the increase of the severe weather parameters even in the central zone (central Massachusetts and eastern Connecticut) at the start of the model run, but these values caught up quickly during the best heating of the day. To conclude, Susanna answered several questions from the audience about how she conducted her study. President Nocera ended the meeting at 11:40 AM. After the meeting, several of the NWA members toured through the EcoTarium, seeing many excellent exhibits in the museum, and the animals outside, such as the bald eagles, river otters and polar bear.

- Eleanor Vallier-Talbot, Chapter Vice President

Send in chapter news at anytime to NewsletterNWA@aol.com. See chapter Web sites on <http://www.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) for complete announcements and job links. Members who do not have Internet capability may request announcements from the NWA office at (434) 296-9966.

WORLD WEATHERWATCH

An excellent opportunity to get diversified experience in weather forecasting. World Weatherwatch is a Toronto based weather forecasting company, that has been providing specialized weather forecasts for industry, media and government for the past 20 years. Successful candidates will have a B.Sc. in Meteorology and 1-2 years experience. Some entry-level and seasonal positions are available. Strong verbal and written communication skills are required. The positions require shift rotation covering 24/7. The ability to work under pressure and meet critical deadlines is important. The Company offers a competitive salary, which includes complete medical and dental coverage. Send resume along with three references to: World Weatherwatch Attn: Mory Hirt, 401 Bentley Street Unit 4, Markham, Ontario, Canada L3R 9T2; E-mail: Mory@worldwx.com; Fax: 905-477-9404.

RAPID WEATHER

Approximately 12 operational meteorology positions need to be filled at Rapid Weather and its client employers from August through December. A minimum of a BS/BA in meteorology is required. Most of the positions are in the United States and all are for weather forecasters, forecaster assistants, and radar meteorologists. Please see "Jobs" at <http://www.rapidwx.com/>

DYNCORP TECHNICAL SERVICES

Weather Forecaster/Meteorologist at Maxwell Air Force Base, Montgomery, AL. Analyze weather conditions to issue forecasts in support of DOD aircrews and preservation of assets for DOD installations. Interact with aircrews by giving weather briefings (DD 175-1) and conduct/issue weather observations. Must have military experience in this capacity and have completed DOD Weather Forecasting School. Please fax an application to Dyncorp at (334) 953-3761. The application can be found on Web site <http://www.dynmaxwell.com> under employment. E-mail: Info.Dynmaxwell@dyncorp.com

NATIONAL WEATHER ASSOCIATION

1697 CAPRI WAY
CHARLOTTESVILLE VA 22911-3534

3D RESEARCH CORPORATION

Weather Technicians

Qualified weather technicians (observer and forecaster qualified) are needed for potential positions in Dayton, Ohio. Applicants must satisfy the following requirements: Have successfully completed the DOD Weather Technician Course or have a degree in meteorology from an accredited university. Have a minimum of 2 years experience in preparing terminal forecasts, flight weather briefings, strong data analysis skills, surface observing, and issuance of varied forecast products. Must have previous NEXRAD certification and AWDS/AMIS use within the past 4 years. Be willing to re-locate to the Dayton area and sign an employment contract for a 2-year minimum. 3D Research provides an outstanding benefits package, including bonuses and re-location allowance. For further information, please send a detailed resume and salary requirements to: Rocco Calaci, 923 Holbrook Circle, Fort Walton Beach, FL 32547; E-mail: rjasm99@cox.net

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

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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.

NWA 27th ANNUAL MEETING UPDATE and PREREGISTRATION FORM

The National Weather Association's 27th Annual Meeting will be held 19-24 October 2002 at the Radisson Plaza Hotel, 815 Main Street, Fort Worth, Texas 76102. **The general theme will be: *Building Partnerships to Meet the Challenges of 21st Century Weather.*** The meeting will include:

- **19-20 October: BROADCAST METEOROLOGY WORKSHOPS** beginning late Saturday at exhibit briefings (5-8 PM) and continuing on Sunday (8:30 AM to 5:00 PM) will include special presentations, and hands-on workshops appropriate to continuing education for weathercasters, but open to all interested. **Tape Swap Sunday evening** -- bring a vhs tape of a recent weathercast for discussion. Depending on the number of tapes submitted, a tape swap for student submissions may be held on Saturday night. Broadcasters will also meet for a no host, dinner Monday evening after the Icebreaker.
- **21-24 October: ANNUAL MEETING GENERAL SESSIONS** from Monday morning through Thursday afternoon will include a wide variety of topics relating to OPERATIONAL meteorology, hydrology, weather broadcasting, new research applications, and related activities. A special session on LIGHTNING will also be included. An **Icebreaker** will be held in the exhibit area on Monday from 5:15-7:15 PM. **The Annual Awards Luncheon will be on Wednesday, 23 October.**

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

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.

HOTEL INFORMATION: The Annual Meeting will be held at the Radisson Plaza Hotel, 815 Main Street, in downtown Fort Worth, Texas. 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, Radisson Plaza Fort Worth at 817-870-2100 before 21 September and request the National Weather Association 27th Annual Meeting group rate. Hotel check-in time is 3:00 pm and check-out time is 12:00 noon.

ANNUAL MEETING PREREGISTRATION: The NWA Annual Meeting registration fee includes a preprint volume with program and abstracts. For the period of days registered for, it also includes: admission to all presentation, workshop and exhibit sessions, coffee/refreshment breaks and the Monday evening icebreaker.

THE PREREGISTRATION FEES payable to the NWA by 5 OCTOBER 2002 are:

- **For 19-20 October, Broadcast Meteorology Workshops:** \$50 for NWA members and presenters (student members \$25); \$65 for non-members (student non-members \$35).
- **For 21-24 October, Annual Meeting sessions/activities:** \$120 for NWA members, presenters and session chairs (student members \$80); \$150 for non-members (student non-members \$100). This fee also includes the Wednesday Awards Luncheon.

Special day rates for each day during the period 21-24 October (for those that cannot attend the entire conference) are: \$40 for NWA members, presenters and session chairs (student members \$25); \$50 for non-members (student non-members \$35). Day rates do not include the Wednesday Annual Awards Luncheon. **Extra Luncheon tickets** are available at \$25 each.

To preregister, please copy this form and mail it with full payment of fees by 5 October 2002 to: NWA Meeting, 1697 Capri Way, Charlottesville VA 22911-3534. Make payment to "NWA" in US funds by US bank check, money order or government/institution purchase order.

NWA 2002 ANNUAL MEETING PREREGISTRATION FORM

Name (for nametag): _____

Street Address: _____

City/State/Zip Code: _____

Employer, School or other Affiliation: _____

Telephone and e-mail address: _____

Days (by dates) attending Annual Meeting: _____

Number of extra Awards Luncheon tickets (\$25 ea.): _____ Total Amount Enclosed: \$ _____

Circle all applicable: NWA member NWA local chapter member non-member Student Retired
Session Chair Presenter Program committee member Local Arrangements committee member

Will be bringing a tape for the Tape Swap I'm interested in Saturday Morning (19 Oct) Golf Tournament

FOR INDIVIDUALS REGISTERING AFTER 5 OCTOBER 2002 OR AT THE ANNUAL MEETING, fees will be increased by 10 to 20 percent. The fees will be posted at the meeting and on the NWA Web site (www.nwas.org).