

## PRESIDENT'S MESSAGE

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### *A National Tragedy*

While the tragic events of 11 September 2001 in America were not meteorological in nature they affect all of us and our friends and countrymen in a most profound way. Many of our friends, fellow citizens, and perhaps even members' families have suffered or died at the hands of terrorism. Who can imagine what is in the minds of those that would do such evil acts? I believe that peace will eventually rise from the rubble and from so many innocent deaths. We are embarking on a long national journey of suffering and healing and hopefully great punishment for those who have done this. I request that each of us make those victims, their families, the rescuers and cleanup crews, and our country and its welfare, economic and otherwise, subjects of our prayers and thoughts for a long time to come. If there are opportunities to help, I hope all of us will step forward voluntarily and give freely of our time, talents, our words and deeds of kindness, and any other resources we can offer.

May God bless our membership and all the citizens of our country. Let's also help each other build the stamina to carry on in the important work we do in operational meteorology and related activities for the public good. - Les Lemon, President

## NWA's 26th ANNUAL MEETING

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To all NWA Annual Meeting Presenters and Attendees: First I would like to echo the same message that Les Lemon wrote above and also sent out on the NWA Homepage ([www.nwas.org](http://www.nwas.org)). I encourage you to join me in sending aid, thoughts and prayers to the innocent victims of the September 11th attacks and their families.

As for the upcoming Annual Meeting, all systems are go and at the time I am sending this message the meeting will be held as scheduled. Your NWA leadership and I are looking forward to hosting an exciting conference with the chance to learn new

things and meet new people. We have a great agenda with many interesting and thought provoking presentations. Nevertheless, we realize that plans can change and people have different ways of dealing with events. Institutional, organizational and corporate decisions may also lead to changes in travel plans

All presenters — Please let me know as soon as possible if your plans change and you are unable to attend or have to change your presentation time. Please be sure to monitor the NWA Web site for the latest agenda. Your current date and time for presenting will not change unless I coordinate with you ahead of time.

The WestCoast Ridpath hotel still has rooms at the National Weather Association Conference discount rates. If you haven't reserved a room yet, please do so soonest by calling 1-800-325-4000.

I am looking forward to seeing you here in Spokane next month.

- John Livingston, 26th Annual Meeting Co-Chair  
John.Livingston@noaa.gov; (509) 244-0110x222

## ANNUAL MEETING AGENDA

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The NWA Annual Meeting agenda is provided herein to crossfeed information on the studies being accomplished. Readers may want to contact authors for more information. It also provides prospective meeting attendees advance information on presentations and workshops to plan their schedules accordingly. Thanks to the presenters, exhibitors and the many members who volunteered to organize and assist in this 26th Annual Meeting. I look forward to participating in this great event, meeting many attendees (from charter members to new members and guests), thanking volunteers, and as usual — learning, sharing and getting ideas for further study. Hope to see you there! - Les Lemon, President

<p>Please see Page 7 or the NWA Web site for hotel and annual meeting registration information. Preregister by 5 October 2001 at discount rates.</p>
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**PRELIMINARY AGENDA for the National Weather Association's 26th Annual Meeting, 13-19 October 2001, WestCoast Ridpath Hotel, 515 West Sprague Avenue, Spokane, Washington 99201.**

All interested individuals (NWA members, prospective members and nonmembers) are welcome to register early or on the day of your arrival to attend any and all sessions. For Hotel and travel information, meeting registration fees and a registration form, please see page 7. For more information please see the NWA Web site at [www.nwas.org](http://www.nwas.org) or contact the NWA office at: (804) 296-9966 or [NatWeaAsoc@aol.com](mailto:NatWeaAsoc@aol.com).

**PRESENTERS** please contact your program chairpersons or the NWA office ([NatWeaAsoc@aol.com](mailto:NatWeaAsoc@aol.com)) immediately if you have to cancel or request changes. Please report to the NWA registration/information desk at the Ridpath Hotel when you arrive to receive nametags, programs and instructions regarding presentation schedule, setup, poster boards (32 in. x 40 in.), AV equipment availability and times to test the AV equipment.

**Saturday, 13 October 2001**

Weather Services International (WSI) Corporation will hold training sessions during the day at the Ridpath Hotel for Broadcasters using or interested in using WSI products. Those interested can call Kristine Ellsworth at WSI (978) 262-0756 to schedule training times in advance.

12:00 PM NWA Registration and Information Desk opens in the foyer just outside of the presentation room. Exhibit area opens for vendors to setup their exhibits.

5:00 PM – 8:00 PM Attendees and guests are invited to view the exhibits.

AccuWeather, Inc., hosts a hospitality suite Sat, Sun and Mon.

9:00 PM NWA Registration and Information Desk closes.

**Sunday, 14 October 2001**

7:30 AM – 5:30 PM NWA Registration and Information Desk will be open each day of the meeting just outside the main presentation room.

**8:30 AM – 5:30 PM BROADCASTER WORKSHOPS in the Ridpath Hotel NWA meeting presentation room**

8:30 AM WELCOME TO NWA BROADCAST METEOROLOGY WORKSHOP. Richard E. Appuzo II, WXIX-TV, Cincinnati, OH; NWA Broadcast Meteorology Committee Chairperson

8:35 AM PRESIDENT'S WELCOME MESSAGE: Leslie R. Lemon, NWA President, Independence, MO.

8:45 AM WEATHER AND BROADCASTING IN SPOKANE. Kristina Crocker, KXLY-TV and Tom Sherry, KREM-TV

9:05 AM THE NWA SEAL OF APPROVAL PROGRAM: PAST, PRESENT AND FUTURE. Alan Sealls, WKRG-TV, Mobile, AL; NWA Broadcast Seal Chairperson

9:20 AM NON CLASSIC MESOSCALE CIRCULATIONS. Dr. Mike Brown, Mississippi State University. MS.

9:50 AM THE SIREN, WISCONSIN TORNADO OF 18 JUNE 2001, AND EXAMINATION OF RADAR OBSERVED MAXIMUM SHEAR AND DAMAGE PATH. April Robertson and Jeff Piotrowski, Baron Services, Huntsville, AL.

10:20 AM Morning Break; exhibits open

10:40 AM NINE HOURS CONTINUOUS LIVE COVERAGE. Jay Trobec, Chief Meteorologist, KELO-TV, Sioux Falls, SD.

11:10 AM TUSCALOOSA, AL F-4 TORNADO. James Spann, Chief Meteorologist, ABC 33/40 Birmingham, AL.

11:30 PM WINNING IN WEATHER. Dave Busiek, Chairman, Radio-Television News Directors Association. KCCI-TV, Des Moines, IA.

12:00-1:30 PM Lunch on your own; exhibits open

1:30 PM SEVERE WEATHER ANALYSIS WORKSHOP. Daniel McCarthy, Warning Coordination Meteorologist, NWS Storm Prediction Center, Norman, OK.

3:30 PM Afternoon Break; exhibits open

3:50 PM SEVERE CONVECTION IN WESTERN IOWA AND NORTHERN NEBRASKA OF 17 AUGUST 2001. Shawn Cable, KELO-TV, Sioux Falls, SD.

4:10 PM IMPROVING TELEVISION WATCH AND WARNING GRAPHICS FOR HURRICANES AND TORNADOES. David N. Sattler, Ph.D., Department of Psychology, Western Institute for Social Research, Western Washington University, Bellingham, WA.

4:30 PM NEW INITIATIVES IN WARNING DECISION TRAINING. Elizabeth Quotone, NOAA/NWS Warning Decision Training Branch, Norman, OK; NWA Councilor.

4:50 PM WHERE IS TV WEATHER HEADED? Panel Discussion: Moderator, Richard E. Appuzo II, WXIX-TV, Cincinnati, OH; NWA Broadcast Meteorology Committee Chairperson.

5:30 PM Dinner on your own.

7:30 -10:00 PM ANNUAL TAPE SWAP - bring a vhs tape of a recent weathercast. Bloopers are welcome as are special weather broadcasts and student weathercasts. Refreshments will be available.

**10:00 AM – 5:30 PM Exhibit area open in the Ridpath hotel.**

**9:00 AM – 5:00 PM NWA AVIATION WEATHER OUTREACH SEMINAR to be held at:**

Spokane Falls Community College (SFCC)

3410 W. Ft. George Wright Drive

Spokane, WA 99224-5288

- SFCC is approximately 3 1/2 miles or 10 minutes from the WestCoast Ridpath Hotel. The SFCC Web site has directions and a campus map at: <http://www.sfcc.spokane.cc.wa.us/>

- The Aviation Weather Seminar is an outreach training effort by the NWA Aviation Meteorology Committee for the benefit of pilots and other aircrew members, dispatchers, weather briefers and all others interested in aviation weather.

9:00-9:50 AM USING AUTOMATED WEATHER OBSERVATIONS. Terry Lankford, Aviation Meteorology Committee Co-Chair, Author of aviation weather texts and retired FAA, Pleasanton, CA.

10:00-10:50 AM NWS AVIATION WEATHER CENTER FORECAST PRODUCTS. Carolyn M. Kloth, Aviation Meteorology Committee Co-Chair; meteorologist at NOAA/NWS Aviation Weather Center, Kansas City MO.

11:00-11:50 AM APPLYING TERMINAL AERODROME FORECASTS. Larry Burch, NOAA/NWS CWSU Salt Lake City, UT

12:00-1:00 PM Lunch

1:00-1:20 PM NWA PRESIDENT'S ADDRESS. Leslie R. Lemon, NWA President

1:20-2:20 PM FUTURE DEVELOPMENT OF AVIATION WEATHER PRODUCTS. Mark Andrews, NOAA/NWS Silver Spring, MD

2:20-2:50 PM Break  
2:50-3:40 PM ADDS (Aviation Digital Data Services). Greg Thompson, UCAR, Boulder, CO  
3:50-5:00 PM General Discussion/Questions & Answers  
5:00 PM Session ends; Dinner on your own

**Monday, 15 October 2001 Annual Meeting General Sessions**

8:00 AM WELCOMING REMARKS/ANNOUNCEMENTS. Leslie R. Lemon, NWA President; John Livingston, Program Committee Co-Chair

8:15 AM WELCOME TO SPOKANE. John Powers, Mayor of Spokane, Washington

**8:30 AM KEYNOTE ADDRESS**

DIVERSITY IN THE PROFESSION OF METEOROLOGY - TWO SIDES NOW. Dr. Stephan Smith, NOAA/NWS Headquarters, Silver Spring, MD

**Session I: Pacific Northwest Weather**

9:15 AM HIGH RESOLUTION ENVIRONMENTAL PREDICTION IN THE PACIFIC NORTHWEST: AN EVALUATION OF THE PROMISE OF LOCAL NUMERICAL FORECASTING. Clifford F. Mass, Professor, Dept of Atmospheric Sciences, University of Washington, Seattle, WA

10:00 AM Break; Exhibit area opens

10:30 AM A DUSTSTORM INDEX FOR THE COLUMBIA BASIN, Jon Mittelstadt, NOAA/NWS Forecast Office, Pendleton, OR

10:45 AM COLUMBIA GORGE WIND STUDY, Justin Sharp, University of Washington, Seattle, WA

11:00 AM LARGE SCALE PATTERN ANOMALIES OF THE 2000-2001 PACIFIC NORTHWEST DROUGHT. Rocco Pelatti, NOAA/NWS Forecast Office, Spokane, WA

11:15 AM HYDROLOGIC ASPECTS OF THE 2000-2001 PACIFIC NORTHWEST DROUGHT. Charles Ross, NOAA/NWS Forecast Office, Spokane, WA

11:30 AM ENSEMBLE FORECASTING. Eric Gritmit, University of Washington, Seattle, WA

11:45 AM SPECIAL TOPIC - 7 WORDS YOU CAN'T SAY ON TV. Alan Sealls, WKRG-TV, Mobile, AL

12:00 PM Lunch on your own

**Session II: Special Topics**

1:30 PM VERIFICATION OF THE HYDRO-METEOROLOGICAL PREDICTION CENTER WINTER WEATHER PRODUCT. Norman W. Junker, Keith Brill and David Reynolds, NOAA/NWS Hydrometeorological Prediction Center, Camp Springs, MD

1:50 PM WEATHER SUPPORT FOR THE 2002 WINTER OLYMPICS - A UNIQUE PARTNERSHIP. James Campbell, NOAA/NWS Western Region Headquarters, and Larry Dunn, NOAA/NWS Forecast Office, Salt Lake City, UT

2:10 PM WEATHER IN SURFACE TRANSPORTATION - A NATIONAL INITIATIVE UNDERWAY. S. Edward Boselly, Weather Solutions Group, Chesterfield, MO

2:25 PM THE NEXT THING IN TELEVISION WEATHER SYSTEMS. Ken Reeves and Michael A. Steinberg, AccuWeather, Inc., State College, PA

2:40 PM THE NEW WIND CHILL INDEX, Cynthia Nelson, Office of the Federal Coordinator, Silver Spring, MD

2:55 PM Break

**Session III: Severe Weather Climatology**

3:15 PM TORNADO TRENDS ACROSS THE UNITED STATES 1950-2000. Daniel McCarthy, NOAA/NWS Storm Prediction Center, Norman, OK

3:30 PM SEVERE WEATHER TRENDS WEST OF THE CONTINENTAL DIVIDE. Paul Frisbie, NOAA/NWS Forecast Office, Grand Junction, CO

3:45 PM AN ANALYSIS OF TORNADO TRACK CHARACTERISTICS BASED UPON A HALF CENTURY OF TORNADO TRACK INFORMATION. Joseph Schaefer, Russell Schneider and Daniel McCarthy, NOAA/NWS Storm Prediction Center, Norman, OK

4:00 PM A BASELINE CLIMATOLOGY OF SOUNDING DERIVED PARAMETERS ASSOCIATED WITH DEEP, MOIST CONVECTION. Jeffrey P. Craven, NOAA/NWS Storm Prediction Center, Norman OK

4:15 PM THE OPERATIONAL CONVECTIVE FORECAST PROBLEM: CONCERNS WITH USING AN INGREDIENTS-BASED FORECAST METHOD WITH MODEL OUTPUT. Donald McCann, NOAA/NWS Aviation Weather Center, Kansas City, MO

**Session IV: Poster Session**

4:30 PM THREE MINUTE MINI-PRESENTATIONS FOR THE EVENING POSTER SESSION, Each Poster Presenter BRIEFLY Introduces Their Work

**5:15 PM ICEBREAKER/POSTER SESSION in exhibit area**

1. PERFORMANCE SUPPORT DELIVERY SYSTEM FOR USE IN CIVIL, COMMERCIAL, AND MILITARY WEATHER TRAINING AND PERFORMANCE IMPROVEMENT. Roger C. Whiton, Lisa K. Starlin, Robert G. Borchers, Anthony A. Guiffrida, Science Applications International Corporation (SAIC), O'Fallon, IL

2. COMMUNICATING EXPERIMENTAL FLORIDA DRY SEASON FORECASTS AND REGIONALIZED CLIMATIC INFORMATION TO USERS VIA THE INTERNET. Bartlett C. Hagemeyer, David W. Sharp, and David Jacobs, NOAA/NWS Forecast Office, Melbourne, FL

3. UTILIZATION OF SATELLITE SCATTEROMETER DATA IN REAL-TIME: AN UPDATE OF RECENT ACTIVITIES. David E. Weissman, Hofstra University, Hempstead, NY, and Jeffrey S. Tongue, NOAA/NWS Forecast Office, Upton, NY, and Mark A. Bourassa, Florida State University, Tallahassee, FL

4. HIGH PERFORMANCE VISUALIZATION CENTER INITIATIVE - WEB PAGE DELIVERY OF OPERATIONAL MODELING. Paul J. Croft, Remata Suseela Reddy, and Rafael E. Mahecha, Jackson State University, Jackson, MS

5. ASSESSING THE SEVERE AND FLASH FLOOD POTENTIAL OF A COMPLEX ENVIRONMENT: THE REDBANK CREEK FLASH FLOOD OF 19 JULY 1996. Robert Stonefield and Josh Korotky, NOAA/NWS Forecast Office, Coraopolis, PA

6. ON THE PERFORMANCE OF THE WSR-88D TDA USING DATA FROM THE WESTERN/INTERMOUNTAIN US. E. DeWayne Mitchell and Gregory J. Stumpf, NOAA/OAR National Severe Storms Laboratory, Norman, OK

7. EXPERIENCES FROM SCRAPE2000 - SUMMER CONVECTIVE RAINFALL IN ALABAMA PREDICTION EXPERIMENT. Ronald A. Murphy, Tom Bradshaw, Jim Westland and Greg Machala, NOAA/NWS Forecast Office, Calera, AL

8. VALIDATION OF WSR-88D RAIN RATES IN A HEAVY TROPICAL RAIN EVENT. Guy E. Rader and Pablo Santos, NOAA/NWS Forecast Office, Miami, FL
9. A STUDY OF PREDICTIVE MODELS FOR FORECASTING HURRICANE DEVELOPMENT AND THE DISTRIBUTION OF AEROSOLS DURING HURRICANE ACTIVITY OVER THE GULF OF MEXICO. R. Suseela Reddy, Paul Croft, Ronnie Guyton, Anjani Reddy and Ashley Zachary, Jackson State University, Jackson, MS
10. A MULTI-FACTOR YEAR-ROUND TEMPERATURE INDEX. Ken Reeves and Michael A. Steinberg, AccuWeather Inc., State College, PA
11. THE MESOSCALE SEEDER-FEEDER MECHANISM - ITS FORECAST IMPLICATIONS. Douglas Schneider and Michael Money Penny, NOAA/NWS Office, Raleigh, NC
12. SYNTHETIC TORNADO CLIMATOLOGIES BASED ON DOPPLER RADAR VORTEX DETECTION: AN UPDATE. Gregory J. Stumpf and Kimberly L. Elmore, NOAA/OAR National Severe Storms Laboratory, Norman, OK, and Caren Marzban, University of Oklahoma, Norman, OK
13. USING A GIS TO COMPARE A TORNADO DAMAGE PATH TO WSR-88D SIGNATURES. Gregory J. Stumpf and Valerie McCoy, NOAA/OAR National Severe Storms Laboratory, Norman, OK
14. INVESTIGATION OF A WSR-88D Z-R RELATION FOR SNOWFALL IN NORTHERN UTAH. Steve Vasiloff, NOAA/OAR National Severe Storms Laboratory, Salt Lake City, UT
15. COLUMBIA BASIN COLD POOLS. Jon Mittelstadt, NOAA/NWS Forecast Office, Pendleton, OR
16. AN OVERVIEW OF THE SEVERE WEATHER EPISODES AFFECTING THE FORT WORTH COUNTY WARNING AREA DURING THE LATE WINTER AND SPRING OF 2001. Michael D. Vescio, NOAA/NWS Forecast Office, Fort Worth, TX

7:15 PM Adjourn; Dinner on your own. Broadcasters join for a no-host dinner at a nearby restaurant.

### **Tuesday, 16 October 2001 Annual Meeting General Sessions**

- 8:00 AM SPECIAL ADDRESS: NATIONAL WEATHER SERVICE INITIATIVES. Vickie Nadolski, Director, Western Region, NOAA/National Weather Service, Salt Lake City, UT
- 8:45 AM SPECIAL ADDRESS: US NAVY METEOROLOGY AND OCEANOGRAPHY COMMAND INITIATIVES. Carl D. Thormeyer, US Navy Fleet Numerical Meteorology and Oceanography Center, Monterey, CA
- 9:30 AM SPECIAL ADDRESS: US AIR FORCE WEATHER INITIATIVES. Colonel Robert H. Allen, Commander Air Force Weather Agency, Offutt AFB, NE
- 10:15 AM Break; Exhibit area opens

#### ***Session V: Dissemination and new Initiatives***

- 10:45 AM SITUATION SPECIFIC CALL-TO-ACTION STATEMENTS. Timothy W. Troutman and Richard Smith, NOAA/NWS Southern Region Headquarters, Forth Worth, TX, and Mark A. Rose, NOAA/NWS Forecast Office, Nashville, TN
- 11:00 AM REAL-TIME GRAPHICAL THREAT DEPICTIONS DURING HURRICANE SITUATIONS. David W. Sharp and Scott M. Spratt, NOAA/NWS Forecast Office, Melbourne, FL

11:15 AM TECHNOLOGICAL ADVANCES AT THE LOWER MISSISSIPPI RIVER FORECAST CENTER USING GIS TECHNOLOGY. Keith Stellman and David B Reed, NOAA/NWS River Forecast Center, Slidell, LA

11:30 AM SPECIAL TOPIC - THE GREAT URBAN FLOOD - HOUSTON, TEXAS - 8-9 JUNE 2001. Bill Read, NOAA/NWS Forecast Office, League City, TX

12:00 PM Lunch on your own

1:30 PM SPECIAL ADDRESS: PRIVATE-SECTOR INITIATIVES. Dr. Joel N. Myers, President, AccuWeather, Inc., State College, PA (tentative)

#### ***Session V: Dissemination and New Initiatives*** (continued)

2:15 PM EXTERNAL ANTENNAS AND NOAA WEATHER RADIO RECEPTION. Timothy W. Troutman, NOAA/NWS Southern Region Headquarters, Forth Worth, TX

2:30 PM AUTOMATED ROAD CLOSURE SYSTEM FOR FLASH FLOODING. S. Edward Boselly, Weather Solutions Group, Chesterfield, MO

2:45 PM USING IMMERSIVE VIRTUAL REALITY TO STUDY TWO HURRICANE CASES. Duanjun Lu, Paul J. Croft, and R.S.Reddy, Jackson State University, Jackson, MS, and Sean Ziegeler, and Robert J. Moorhead, Mississippi State University, Starkville, MS

3:00 PM Break

#### ***Session VI: Climatology***

3:30 PM CLIMATOLOGICAL ASPECTS OF DAILY RAINFALL IN THE CENTRAL REGION OF THE NATIONAL WEATHER SERVICE. Charles E. Graves and James T. Moore, Saint Louis University, St. Louis, MO

3:45 PM WHEN IS A RECORD A RECORD? Mark H. Strobin and Albert Richmond, NOAA/NWS Forecast Office, Billings, MT and John Pulasky, Northern AG Network, Billings, MT

4:00 PM STUDIES ON HEAT AND UV INDEXES IN THE ATMOSPHERE OF ASWAN, EGYPT. A.M. Abdelmegeed, South Valley University, Qena, Egypt

4:15 PM CLIMATE DATA CONTINUITY INTO THE 21st CENTURY. Nolan J. Doesken and Christopher Davey, Colorado State University, Fort Collins, CO

4:30 PM A MODERNIZED COOPERATIVE OBSERVER NETWORK. Andrew Horvitz, NOAA/NWS Office of Climate, Water, and Weather Services, Silver Spring, MD

4:45 PM SPECIAL TOPIC: THE NATIONAL WEATHER ASSOCIATION'S 'THUNDERSTORMS AND FLYING' INTERNET COURSE: SPRING 2001. Col. Timothy H. Miner USAFR, Reserve Assistant to the USAF Director of Weather and First Officer, American Airlines, Inc., Woodbridge, VA.

5:00 PM SPECIAL TOPIC: WASHINGTON WEATHER HAZARDS VIDEO. Ted Buehner, NOAA/NWS Forecast Office, Seattle, WA

5:15 PM Adjourn; Dinner on your own.

6:00 PM NWA Council business meeting

### **Wednesday, 17 October Annual Meeting General Sessions**

#### ***Session VII: Tornadoes***

8:00 AM THE FUJITA SCALE: WHAT DOES IT REALLY TELL US ABOUT TORNADOES? Daniel McCarthy and Joseph Schaefer, NOAA/NWS Storm Prediction Center, Norman, OK

8:15 AM SIGNIFICANT TORNADOES IN UNUSUALLY WEAK SHEAR ENVIRONMENTS, Jon Davies, KSNW-TV, Wichita, KS

8:30 AM AUTOMATED TRACKING, ALERTING AND PREDICTION OF THE SIREN, WISCONSIN TORNADO: AN ASSESSMENT OF THE COBRA RADAR ALGORITHMS. Gregory Wilson, Scott Ford and Robert Baron, Baron Services Inc., Huntsville, AL

8:45 AM BRIEF OVERVIEW OF TWO ISOLATED CONVECTIVE CELL - CONVECTIVE LINE MERGERS LEADING TOWARDS TORNADOGENESIS: TWO VERY CHALLENGING CASES. Ron W. Przybylinski and Gary K. Schmocker, NOAA/NWS Forecast Office, St. Charles, MO

9:00 AM OBSERVATIONS OF A BOW ECHO TORNADO ON THE ANTICYCLONIC SHEAR SIDE OF THE BOW APEX. Ray Wolf, NOAA/NWS Forecast Office, Davenport, IA

9:15 AM IMPROVED TORNADO WARNING GUIDANCE FOR THE NATIONAL WEATHER SERVICE. Gregory J. Stumpf, Donald W. Burgess, Christina D. Hannon, Valerie McCoy, Danny Cheresnick, NOAA/OAR National Severe Storms Laboratory, Norman, OK, and Kevin L. Manross, Texas Tech University, Lubbock, TX

**Session VIII: Severe Weather**

9:30 AM AN EARLY SPRING MESOSCALE FLASH FLOOD/FLOOD OVER CENTRAL MISSISSIPPI: A METEOROLOGICAL AND HYDROLOGICAL OVERVIEW. Alan E. Gerard and Eric Martello, NOAA/NWS Forecast Office, Jackson, MS

9:45 AM TRANSITION OF A BOW ECHO - DAMAGING WIND EVENT INTO A TRAINING ECHOES - HEAVY RAIN EVENT: A CASE STUDY FROM 23-24 JUNE 2000. James T. Moore and Charles E. Graves, Saint Louis University, St. Louis, MO, and Fred H. Glass, NOAA/NWS Forecast Office, St Charles, MO

10:00 Break; Exhibit area opens.

10:30 AM A SEVERE THUNDERSTORM OVER THE OKANAGAN VALLEY OF SOUTHERN BRITISH COLUMBIA. Allan Coldwells and Terri Lang, Mountain Weather Centre, Environment Canada, Kelowna BC

10:45 AM METEOROLOGICAL OVERVIEW AND MEDIA COVERAGE OF SUPERCCELL THUNDERSTORMS IN BILLINGS MONTANA ON JUNE 26, 2001. Bob McGuire, KTVQ-2 TV, Billings, MT and Don Moore NOAA/ NWS Forecast Office, Billings, MT

11:00 AM INITIATION AND EVOLUTION OF A COOL SEASON DERECHO OVER MISSISSIPPI AND ALABAMA. Eric E. Carpenter and Alan E. Gerard, NOAA/NWS Forecast Office, Jackson, MS, and Chad Entremont, NOAA/NWS Forecast Office, Birmingham, AL

11:15 AM USING AWIPS TO INTEGRATE SCIENCE AND VISUALIZATION: CONSTRUCTING COMPOSITE CHARTS OF NUMERICAL WEATHER PREDICTION (NWP) MODEL DIAGNOSTIC FIELDS FOR SEVERE WEATHER FORECASTING. Josh Korotky, NOAA/NWS Forecast Office, Coraopolis, PA

11:30 AM FASTER AND DENSER SCANNING STRATEGIES FOR WSR-88DS. Rodger A. Brown and Vincent T. Wood, NOAA/OAR National Severe Storms Laboratory, Norman, OK, and Randy M. Steadham, NOAA/NWS Radar Operations Center, Norman, OK

11:45 AM SPECIAL TOPIC: DIVERSE PARTNERSHIPS - KEY TO SUCCESSFUL DEVELOPMENT OF EDUCATIONAL DUAL LANGUAGE VIDEO. Armando L. Garza, NOAA/NWS FAA Academy, Oklahoma City, OK

12:00 PM Lunch on your own. Vendors can begin to dismantle their exhibits.

1:30 PM SPECIAL TOPIC: THE JUGGLING ACT - THE CHALLENGE OF BALANCING A FAMILY WITH A CAREER IN THE NWS. Robin Fox, NOAA/NWS Forecast Office, Spokane WA

**Session IX: DOWNBURST SYMPOSIUM**

1:45 PM INTRODUCTION AND OVERVIEW. William P. Roeder, USAF 45th Weather Squadron, Patrick AFB, FL, and Alan E. Gerard, NWA Weather Analysis & Forecasting Committee Chair, NOAA/NWS Forecast Office, Jackson, MS

2:00 PM OPERATIONAL IMPACTS OF MICROBURSTS AND WIND SHEARS ON AVIATION. First Officer Timothy H. Miner, American Airlines, Inc., and Member of the National Safety and Training Committee (Weather issues) Allied Pilots Association, Woodbridge, VA

2:15 PM A BRIEF OVERVIEW OF DOWNBURST MECHANICS. Roger M. Wakimoto, University of California at Los Angeles, Los Angeles, CA

2:45 PM Break

3:15 PM CLIMATOLOGY OF SEVERE THUNDERSTORM WINDS IN THE UNITED STATES. Harold Brooks, NOAA/OAR National Severe Storms Laboratory, Norman, OK

3:45 PM FORECASTING DRY MICROBURSTS. Steve Vasiloff, NOAA/OAR National Severe Storms Laboratory, Salt Lake City, UT

4:15 PM FORECASTING WET DOWNBURSTS. William P. Roeder, USAF 45th Weather Squadron, Patrick AFB, FL

4:45 PM DOWNBURST SYMPOSIUM DAY 1 CLOSING REMARKS. William P. Roeder, USAF 45th Weather Squadron, Patrick AFB, FL

5:00 PM Adjourn

6:00 PM Social Hour

**7:00 PM Annual Awards Banquet.** GUEST SPEAKER: C. Daniel Miller, Research Volcanologist, US Geological Survey, Cascades Volcano Observatory, Vancouver, WA who will speak about Mount St. Helens.

**Thursday, 18 October Annual Meeting General Sessions**

**Session IX: DOWNBURST SYMPOSIUM** (continued)

8:00 AM DAY 2 OPENING REMARKS. William P. Roeder, USAF 45th Weather Squadron, Patrick AFB, FL

8:05 AM WET MICROBURST FORECAST AND ANALYSIS EFFORTS: AN UPDATE. Alan E. Gerard, NOAA/NWS Forecast Office, Jackson, MS, and Chad Entremont, NOAA/NWS Forecast Office, Birmingham, AL

8:20 AM FORECASTING HYBRID MICROBURSTS. Steve Vasiloff, NOAA/OAR National Severe Storms Laboratory, Salt Lake City, UT

8:40 AM FORECASTING THE ONSET OF DAMAGING DOWNBURST WINDS USING THE MID-ALTITUDE RADIAL CONVERGENCE (MARC) VELOCITY SIGNATURE. Gary K. Schmocker and Ron W. Przybylinski, NOAA/NWS Forecast Office, St. Charles, MO

9:00 AM RADAR ISSUES IN DOWNBURST PREDICTION. Patrick Welsh, NOAA/NWS Forecast Office, Jacksonville, FL

9:30 AM CONVECTIVE DOWNBURST POTENTIAL USING GOES SOUNDER DERIVED PRODUCTS. Gary P. Ellrod and Kenneth L. Pryor, NOAA/NESDIS, Camp Springs, MD and Andrew A. Bailey, Raytheon STX, Lanham, MD

9:45 AM AUTOMATED PREDICTION AND DETECTION OF SEVERE DOWNBURSTS. Travis Smith, NOAA/OAR National Severe Storms Laboratory, Norman, OK

10:00 AM SYMPOSIUM CLOSING REMARKS. William P. Roeder, USAF 45th Weather Squadron, Patrick AFB, FL, and Alan Gerard, NOAA/NWS Forecast Office, Jackson, MS

10:15 AM Break

**Session X: Fire Weather**

10:45 AM AN EXAMINATION OF THE EXTRAORDINARY 1999 AND 2000 FIRE SEASONS IN THE WESTERN GREAT BASIN. Robert Nester, NOAA/NWS Forecast Office, Missoula, MT

11:00 AM ANALYSIS OF HAINES INDEX CLIMATOLOGY FOR THE EASTERN UNITED STATES, ALASKA, HAWAII, AND PUERTO RICO. Monesa Watts, Dr Paul J. Croft, and Aisha Reed, Jackson State University, Jackson, MS and Brian Potter, USDA North Central Research Station, St. Paul, MN

11:15 AM THE HANFORD FIRE OF 2000. Todd Carter, NOAA/NWS Forecast Office, Spokane, WA

11:30 AM SPECIAL TOPIC: INITIATING A NEW PARTNERSHIP FOR THE 21 ST CENTURY: NOAA/NWS AND JSU PROMOTING DIVERSITY IN ATMOSPHERIC SCIENCE THROUGH RESEARCH, APPLICATION, AND IN PARTNERSHIP WITH THE NWS (PDAS-RAP). Dr Paul J. Croft, Monesa Watts, Ashton Robinson-Cook, Kim Coleman and Rondah Smart, Jackson State University, Jackson, MS

11:45 AM SPECIAL TOPIC: WOMEN IN THE PROFESSION OF METEOROLOGY. Kris Crocker, KXLY-TV, Spokane, WA

12:00 PM Lunch on your own

**Session XI: Weather Analysis and Forecasting**

1:30 PM USING THE FLEET NUMERICAL METEOROLOGY AND OCEANOGRAPHY CENTER WEB PAGE FOR REAL-TIME NAVY-NOAA AND INTRA-NAVY NUMERICAL MODEL COMPARISONS. Carl D. Thormeyer, USN Fleet Numerical Meteorology and Oceanography Center, Monterey, CA

1:45 PM USE OF A MESOSCALE MODEL TO SUPPORT TRANSIT OF THE BOMB DAMAGED USS COLE. Aaron J. Kawczk, US Navy Fleet Numerical Meteorology and Oceanography Center, Monterey, CA

2:00 PM THE CHARACTERISTICS OF WARM SEASON SNOWSTORM. Richard H. Grumm and Barry Lambert, NOAA/NWS Forecast Office, State College, PA

2:15 PM A HIGHLY LOCALIZED 15-DAY FORECAST DATABASE. Ken Reeves and Michael A. Steinberg, AccuWeather Inc., State College, PA

2:30 PM A STATISTICAL METHODOLOGY TO DISCOVER MICRO-CLIMATES WITHIN THE LAKE PONTCHARTRAIN BASIN. Suzanne Van Cooten, NOAA/NWS Forecast Office, Slidell, LA, and Donald Barbe, J. Alex McCorquodale, and Gianna Cauthron, University of New Orleans, New Orleans, LA

2:45 PM USING WSR-88D OUTPUT TO ESTIMATE ZONE PRECIPITATION COVERAGE. Jack B. Settlermaier, NOAA/NWS Forecast Office, Key West, FL, and W. Edward Bracken, Reliant Resources, Houston, TX

3:00 PM Break

3:30 PM DIAGNOSING THE CHARACTER OF LONG-WAVE FEATURES USING A PERSONAL COMPUTER APPLICATION. Jay A. Albrecht, NOAA/NWS Forecast Office, Seattle, WA

3:45 PM AN INGREDIENTS-BASED APPROACH TO THE AWIPS VOLUME BROWSER

Josh Korotky, NOAA/NWS Forecast Office, Coraopolis, PA

4:00 PM IMPROVEMENTS TO THE EXPERIMENTAL TROPICAL RAINFALL POTENTIAL (TRAP) TECHNIQUE. Sheldon J. Kusselson, NOAA/NESDIS Satellite Services Division, Camp Springs, MD and Stanley Q. Kidder and John A. Knaff, Colorado State University, Fort Collins, CO, and Roderick Scofield and Robert J. Kuligowski, NOAA/NESDIS, Camp Springs, MD

4:15 PM STRUCTURES OF MESOCYCLONES IN AN OUTER RAINBAND ASSOCIATED WITH TROPICAL CYCLONE (TC) EARL (1998) USING A NESTED MM5 MODEL. Gandikota V. Rao and Daniel R. Gallagher, Saint Louis University, St. Louis, MO

4:30 PM OBSERVATIONS-BASED GUIDANCE FOR SHORT-TERM CLOUD CEILING FORECASTS AT KENNEDY SPACE CENTER: DEVELOPMENT AND IMPLEMENTATION. Winifred C. Lambert, NASA/KSC/Applied Meteorology Unit, ENSCO, Inc., Cocoa Beach, FL, and Timothy D. Oram and Richard A. Lafosse, NOAA/NWS Spaceflight Meteorology Group, Houston, TX

4:45 PM A REAL-TIME CONFIGURATION OF THE ARPS DATA ANALYSIS SYSTEM TO SUPPORT OPERATIONAL FORECASTING IN EAST-CENTRAL FLORIDA. Jonathan L. Case, NASA/KSC/Applied Meteorology Unit, ENSCO, Inc., Cocoa Beach, FL Timothy D. Oram and Tim Garner, NOAA/NWS Spaceflight Meteorology Group, Houston, TX, Peter F. Blottman and Scott M. Spratt, NOAA/NWS Forecast Office, Melbourne, FL

5:00 PM EVALUATION OF HIGH RESOLUTION MM5 FORECASTS FOR COMPLEX MESOSCALE SEA BREEZE CIRCULATIONS. Brian A. Colle, State University of New York, Stony Brook, NY, and Jeffrey S. Tongue, NOAA/NWS Forecast Office, Upton, NY, and Nicholas Ray, Sachem North High School, Lake Ronkonkoma, NY

5:15 PM Adjourn; Dinner on your own

**Friday, 19 October 2001 Annual Meeting General Sessions**

**Session XII: Winter Weather**

8:00 AM SATELLITE CHARACTERISTICS OF WEST COAST WINTER STORMS DURING THE EL NINO AND LA NINA. Roderick A. Scofield, NOAA/NESDIS Office of Research and Applications, Camp Springs, MD, and Shuang Qui, QSS Group Inc., Lanham, MD, and Clay Davenport, IM Systems Group Inc., Kensington, MD

8:15 AM THE PACIFIC LANDFALLING JETS EXPERIMENT (PACJET) OF 2001: OVERVIEW AND IMPACTS ON WEST COAST OPERATIONAL FORECASTING. Warren Blier, NOAA/NWS Forecast Office, Monterey, CA and F. Martin Ralph, NOAA/OAR Environmental Technology Laboratory, Boulder, CO

8:30 AM A LAKE EFFECT SNOWFALL IN WESTERN NEVADA. Mary M. Cairns, Ray Collins, Jon Corey, Tom Cylke, Mark Deutschendorf, Danny Mercer, NOAA/NWS Forecast Office, Reno, NV

continued on page 8

The original page 7 was the full-page 26th Annual Meeting preregistration form with Hotel info updated from the July 2001 issue. It was deleted from this archived copy. The original page 8 follows. - Editor

continued from page 6

8:45 AM THE PRECIPITATION-TYPE ALGORITHM EXPERIMENT AT THE HPC AND THE SPC. John V. Cortinas Jr. and Michael Baldwin, NOAA/OAR National Severe Storms Laboratory, Norman, OK, and Keith Brill, NOAA/NWS Hydrometeorological Prediction Center, Camp Springs, MD

9:00 AM SYNOPTIC PATTERN TYPING FOR HISTORICAL HEAVY RAIN EVENTS IN SOUTHERN CALIFORNIA. Alan Haynes, NOAA/NWS River Forecast Center, Sacramento, CA

9:15 AM FURTHER STUDIES OF THUNDERSNOW EVENTS IN THE UNITED STATES. Patrick S. Market and Christopher E. Halcomb, University of Missouri, Columbia, MO

9:30 AM WINTER GUIDANCE FOR NORTHEAST MONTANA (DECEMBER 2000-MARCH 2001). Beth L.B. McNulty, NOAA/NWS Forecast Office, Glasgow, MT

9:45 AM Break

**Session XIII: WORKSTATION ETA**

10:15 AM THE WORKSTATION ETA: NOW THAT YOU'VE GOT IT, HOW SHOULD YOU USE IT? Bernard N. Meisner, NOAA/NWS Southern Region Headquarters, Fort Worth, TX

10:30 AM WORKSTATION ETA VERIFICATION EFFORTS AT THE LOWER MISSISSIPPI RIVER FORECAST CENTER. Steven Listemaa, NOAA/NWS River Forecast Center, Slidell, LA

**Session XIV: Training and Education**

10:45 AM BASIC ORIENTATION AND LIGHTNING TRAINING (BOLT) - COMPUTER BASED TRAINING FOR 45<sup>TH</sup> WEATHER SQUADRON. William P. Roeder, Scott C. Jacobs, James E. Sardonia, Johnny W. Weems and Clark S. Pinder, USAF 45th Weather Squadron, Patrick AFB, FL

11:00 AM HIGH PERFORMANCE VISUALIZATION CENTER INITIATIVE - DISTANCE EDUCATION INITIATIVE AND EFFORTS. Paul J. Croft, Kantave Greene, Rafael Mahecha, and R. S. Reddy, Jackson State University, Jackson, MS

11:15 AM CLOSING REMARKS. Les Lemon, NWA President, and John McLaughlin, NWA President-Elect

**11:45 AM 26th Annual Meeting Adjourns**

**NATIONAL WEATHER ASSOCIATION**  
1697 CAPRI WAY  
CHARLOTTESVILLE VA 22911-3534

## NWA OFFICE MOVES

Executive Director, Kevin Lavin, announced to the NWA Council earlier this summer that he was moving to Charlottesville, Virginia for family reasons. The Council agreed that the NWA business office would also be relocated. The move was successful, but not the happiest of occasions as it occurred on 10-11 September 2001. The office is now located at: 1697 Capri Way, Charlottesville, Virginia 22911-3534; Tel/fax: (804) 296-9966.

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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 office with address changes by phone, regular mail or e-mail.

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*The advance of human freedom, the great achievement of our time, and the great hope of every time, now depends on us.* - President of the United States, George W. Bush, September 20, 2001. *God Bless America.*