



# NEWSLETTER

National Weather  
Association

NO. 08 – 8 AUGUST 2008

33rd NWA Annual Meeting  
Galt House Hotel & Suites ~ Louisville, Kentucky

Utilizing Our Past to  
Improve Our Future

Sunday, 12 October 2008  
Broadcaster Workshop

NOTE - Presentations and workshops as shown below are for the continuing education of Television and Radio Weather Broadcasters and those in related fields, but all individuals interested are most welcome to register, attend and participate.

## Welcome and Opening Remarks

Session Chair: Bryan Karrick, Broadcast Workshop Program Chair, KCCI-TV, Des Moines, IA

### 0830 AM Welcoming Remarks

John Scala, NWA President, WGAL TV, Lancaster, PA

### 0835 AM Opening Remarks

NWA Broadcast Meteorology Committee Chair, Mike Goldberg and Broadcast Workshop Program Chair, Bryan Karrick, KCCI-TV, Des Moines, IA

### 0845 AM Welcome to Louisville!

Paul Emmick, WDRB-TV, Louisville, KY

## Session 1: Winter Weather

Session Chair: Bryan Karrick, Broadcast Workshop Program Chair, KCCI-TV, Des Moines, IA

### 0855 AM National Oceanic Atmospheric Administration (NOAA)/National Weather Service (NWS) Winter Weather Advisory and Warning Product Simplification

Andy Horvitz, NOAA/NWS/Office of Climate, Water & Weather Services, Silver Spring, MD

### 0910 AM NWS/Hydrometeorological Prediction Center (HPC) Winter Weather Forecast Desk

Dan Peterson, NOAA/NWS, Camp Springs, MD

## Session 2: General Interest

Session Chair: Bryan Karrick, Broadcast Workshop Program Chair, KCCI-TV, Des Moines, IA

### 0925 AM The Forecast Page

Jeff Ray, WKRN-TV, Nashville, TN

### 0940 AM What's That Bright Star Near the Moon?

Joe Rao, News 12 Westchester/Hudson Valley, Yonkers, NY

### 0955 AM Coffee Break

Exhibits open in Segell Room

See the back of this month's newsletter for pre-registration details!



## Reserve Your Room by Sept. 10!

The Galt House is a full-service hotel and convention center in the heart of a revitalized downtown Louisville.

The hotel offers two room options: "Deluxe Rooms" in the West Tower (\$97 per night\*) and "Suites" in the East Tower (\$130 per night\*). Up to four people may be accommodated in a room for an additional \$10 per night per person.

**For phone reservations, call (800) 843-4258** and request the National Weather Association 2008 group rate. A credit card number will be requested but no charges will be made at the time of the reservation.

**For online reservations, visit [www.galthouse.com](http://www.galthouse.com)**, go to "Reservations" and follow the directions for making group reservations. The ID Number to use for this meeting is **829545**.

**\* To obtain the NWA discount rate, reserve your hotel room NO LATER THAN Sept. 10, 2008.**

### Session 3A: Severe Weather I

Session Chair: Dan McCarthy, NWA Awards Committee Chair, NOAA/NWS Indianapolis, IN

- 1025 AM **One Year of Storm Based Warnings**  
*John Ferree, NWA Professional Development Committee Chair, NOAA/NWS Norman, OK*
- 1045 AM **The Storm Prediction Center (SPC) Mesoscale Discussion (MD) Program**  
*Joseph Schaefer, (NWA Past President), NOAA/NWS/National Centers for Environmental Prediction (NCEP)/SPC, Norman, OK*
- 1100 AM **The "Super Tuesday Tornado Outbreak" of February 5-6, 2008, SPC Forecasts and Historical Perspective and Exercise**  
*Greg Carbin, NOAA/NWS/NCEP/SPC, Norman, OK*
- NOON **Lunch on your own; Exhibits open in Segell Room**

### Session 3B: Severe Weather II

Session Chair: Dan McCarthy, NWA Awards Committee Chair NOAA/NWS, Indianapolis, IN

- 0130 PM **The 5-6 February 2008 Tornadoic Quasi-Linear Convective System (QLCS): Warning Philosophy Versus Warning Reality at NWS Louisville**  
*Theodore W. Funk and Angela D. Lese, NOAA/NWS, Louisville, KY*
- 0145 PM **One Year Later: Greensburg. The Partnership Between the NWS & Broadcasters**  
*Dave Freeman, KSN-TV, Wichita, KS*
- 0200 PM **Iowa's Insane Weather: 2008**  
*John McLaughlin, KCCI-TV, Des Moines, IA (Past President)*
- 0215 PM **Severe Weather and Major Sports Venues in Kentucky: Is There a Plan to Keep Fans Safe?**  
*T.G. Shuck, WKYT-TV, Lexington, KY*

### Session 4: NOAA Weather Radio All Hazards (NWR)

Session Chair: Carl Thormeyer, KSBW-TV (NBC) Monterey-Salinas, CA

- 0230 PM **How to Build a Successful Weather Radio Campaign**  
*Chris Allen, WBKO-TV, Bowling Green, KY; T.G. Shuck, WKYT-TV, Lexington, KY; and John Belski, WAVE-TV, Louisville, KY*
- 0245 PM **Refreshment Break; Exhibits open in Segell Room**
- 0315 PM **Picture This Weather**  
*Alan Sealls, Chief Meteorologist WKRK-TV, Mobile, AL*

### Session 5: Climatology

Session Chair: Carl Thormeyer, KSBW-TV (NBC), Monterey-Salinas, CA

- 0330 PM **On The Two Sides of Global Warming**  
*H. Michael Mogil, CCM, How the Weatherworks, Naples, FL*
- 0345 PM **Global Warming - Global Cooling, Natural Cause Found**  
*David Dille, GlobalWeather Oscillations, Inc., Ocala, FL*
- 0400 PM **Climate Fest '08: What Both Sides Agree On**  
*Miles Muzio, KBKA-TV, Bakersfield, CA*
- 0415 PM **Broadcaster Panel Discussion: Audience Questions/ Topics Answered Fellow Broadcasters**

### Student Poster Session

0500 – 0645 PM  
0515 PM

0700PM-1000PM

Please visit with students!

Dinner on your own

Exhibits open until 6:00 PM

TAPE SWAP 2008 \*

Broadcast Meteorology Committee Chair Mike Goldberg and Broadcast Seal of Approval Committee Chair Larry Rice

\* Attendees: please submit your DVDs and VHS tapes to the NWA Registration and Information Desk volunteers by 5 PM. Make sure the tape includes your name, address and station.

### Sunday, 12 October 2008

#### First NWA Annual Meeting Student Session

- 0100 PM **Welcome and Introductions NWA President**  
*John Scala, NWA President, WGAL-TV, Lancaster, PA; John D. Gordon, Program Committee Chair, NOAA/NWS Louisville, KY; and Jon Zeitler, NOAA/NWS Austin/San Antonio, TX*
- 0115 PM **Career Wake Up Call**  
*Jon Zeitler, NOAA/NWS Austin/San Antonio, TX*
- 0140 PM **How to Prepare a Resume**  
*Elise V. Johnson, University of Alabama-Huntsville, Huntsville, AL (Ex Officio NWA Councilor)*
- 0200 PM **How to Do an Interview**  
*John Ogren, NOAA/NWS Central Region Headquarters, Kansas City, MO*
- 0220 PM **Finding a Mentor**  
*Kurt Vanspeybroeck, NOAA/NWS Spaceflight Meteorology Group, Houston, TX*
- 0240 PM **How to Write a Paper and an Abstract**  
*Jeff Medlin, NOAA/NWS Mobile, AL*
- 0300 PM **Break**
- 0330 PM **How to Give an Oral Presentation**  
*John Scala, NWA President, WGAL-TV, Lancaster, PA*
- 0350 PM **How to Put Together a Great Poster**  
*John Gagan, NWA Weather Analysis & forecasting Committee Chair, NOAA/NWS, Springfield, MO*
- 0410 PM **Weather Jeopardy**  
*John D. Gordon, NOAA/NWS, Louisville, KY and John Ogren NOAA/NWS, Central Region Headquarters, Kansas City, MO*
- 0500 PM **Student Poster Session (see above)**

### Monday, 13 October 2008

#### NWA Annual Meeting General Sessions

- 0700 AM – 0730 PM **NWA Registration and Information Desk will be open outside Segell Room**
- 0730 AM **Daily Weather Discussion**  
*Led by California University of Pennsylvania and Valparaiso University*
- 0900 AM – 0600 PM **Exhibits open in Segell Room**

#### Opening Session and Keynote Addresses

- 0800 AM **Welcoming Remarks and NWA President's Message**  
*John Scala, NWA President, WGAL-TV, Lancaster, PA*
- 0815 AM **Keynote Address**  
*Tom Skilling, WGN-TV, Chicago, IL*

**0900 AM** **NWA Announcements**  
*John D. Gordon, NWA Program Committee Chair  
NOAA/NWS, Louisville, KY*

### **Session 1: Weather Hazards (Wind)**

*Session Chair: Alan Sealls, Chief Meteorologist, WKRG-TV,  
Mobile, AL*

- 0910 AM** **Invited Talk - The Columbus Day Windstorm of 1962**  
*Brad Coleman, NOAA/NWS, Seattle, WA*
- 0930 AM** **Using the Avenal Wind Storm to Improve Predictions of Localized Wind Events in Central California**  
*James Brotherton, NOAA/NWS San Joaquin Valley, Hanford, CA*
- 0945 AM** **A Peak Wind Probability Forecast Tool for Kennedy Space Center and Cape Canaveral Air Force Station**  
*Winifred Crawford, NASA/Kennedy Space Center (KSC)/Applied Meteorology Unit (AMU)/ENSCO, Inc., (NWA Councilor) and William Roeder, USAF 45<sup>th</sup> Weather Squadron/Patrick AFB Florida*
- 1000 AM** **Coffee Break; Exhibits open in Segell Room**

### **Session 2A: Historical Weather Events I**

*Session Chair: Sam Champion, Good Morning America, ABC News, New York, NY*

- 1030 AM** **Invited Talk - A High Resolution Simulation of the 9-10 November 1975 Edmund Fitzgerald Storm**  
*Tom Hultquist, NOAA/NWS Twin Cities, Chanhassen, MN*
- 1050 AM** **Invited Talk - Hurricane Iniki 1992**  
*Wes Browning, NOAA/NWS St. Louis, St. Charles, MO*
- 1110 AM** **Invited Talk - The Mount Washington 1934 Wind Storm**  
*Brian Clark, Mount Washington Observatory, North Conway, NH*
- 1130 AM** **A Reanalysis of the Fargo, North Dakota F5 Tornado (20 June 1957) Using Today's Technology**  
*Chauncy Schultz, NOAA/NWS Bismarck, ND/University of North Dakota, Grand Forks, ND*
- 1145 AM** **Lunch on your own; Exhibits open in Segell Room**

### **Session 3: Tropical and Marine Weather**

*Session Chair: Dr. Keith Blackwell, University of South Alabama, Mobile, AL*

- 0100 PM** **Invited Talk - The 1935 Labor Day Hurricane**  
*Rusty Pfof, NOAA/NWS Miami, FL*
- 0120 PM** **Waterspout Forecasting – A U.S. Gulf Coast Retrospective and Modern Day Look**  
*Jeffery Garmon, NOAA/NWS Mobile, AL*
- 0135 PM** **NOAA/National Weather Service Forecasting and Observing of Great Lakes Rip Currents**  
*Dave Guenther, NOAA/NWS Marquette, Negaunee, MI*
- 0150 PM** **A Gulfstream Hazard Scale for Mariners**  
*Dane Clark and Jenifer Clark, Jenifer Clark's Gulfstream, Dunkirk, MD*

### **Poster Session I (Break Included)**

**0205 – 0335PM** *Session Chairs: John Belski, WAVE-TV, Louisville, KY; Wayne Hart, WEHT-TV, Evansville, IN; and T.G. Shuck, WKYT-TV, Lexington, KY*

### **Session 4: Ensemble Prediction Systems**

*Session Chair: Richard Grumm, NOAA/NWS State College, PA*

- 0335 PM** **Using Ensembles to Anticipate Significant Weather Events**  
*Richard Grumm, NOAA/NWS State College, PA*
- 0350 PM** **Utilizing Standardized Anomalies Based on Ensemble Prediction System Output to Assess Impending Weather Events: Case Study of the January 2008 Western U.S. Winter Storm**  
*Randy Graham, NOAA/NWS Salt Lake City, UT (NWA Councilor)*
- 0405 PM** **The March 7-8 Ohio Valley Snowstorm: An Operational Approach to Using Ensemble Guidance and Anomalies**  
*Mark Jarvis, NOAA/NWS Louisville, KY and Richard Grumm, NOAA/NWS State College, PA*

### **Session 5A: Instrumentation and Techniques (Radar)**

*Session Chair: Pat Spoden, NOAA/NWS Paducah, KY*

- 0420 PM** **The Experimental Warning Program 2008 Spring Experiment at the NOAA Hazardous Weather Testbed**  
*Gregory Stumpf, Travis Smith and Kevin Manross, Cooperative Institute for Meteorological Satellite Studies (CIMMS)/National Severe Storms Laboratory (NSSL), Norman, OK; and Dave Andra, NWS/NOAA Norman, OK*
- 0435 PM** **High Resolution, Lower Tropospheric Radar Networks: The CASA Program**  
*Brenda Phillips, University of Massachusetts, Amherst, MA; Ellen Bass and Don Rude, University of Virginia, Charlottesville, VA; and Jerry Brotzge, University of Oklahoma, Norman, OK*
- 0450 PM** **ARMOR Dual-Polarimetric Radar Observations of Two Tornadic Supercells During the 2008 Super-Tuesday Tornado Outbreak**  
*Lawrence D. Carey, Earth System Science Center (ESSC)/NSSC University of Alabama-Huntsville, Huntsville, AL; Walter A. Petersen, National Space Science and Technology Center (NSSTC), NASA Marshall Space Flight Center (MSFC), Huntsville, AL; and Kevin R. Knupp, University of Alabama-Huntsville, Huntsville, AL*
- 0505 PM** **Impacts of Super Resolution Radar Products on Feature Recognition and Warning Decision Making**  
*Leslie R. Lemon, CIMMS/Weather Decision Training Branch (WDTB), Norman, OK (NWA Past President)*
- 0520 PM** **Invited Talk - Severe Weather and Major Sports Venues in Kentucky: Is There a Plan to Keep Fans Safe?**  
*T.G. Shuck, WKYT-TV, Lexington, KY*
- 0535 PM** **Open discussion and wrap up**
- 0630PM** **Icebreaker Event**
- 0930PM** **Attendees return to the Galt House**

**Tuesday, 14 October 2008**  
**NWA Annual Meeting General Sessions**

0700 AM – 0730 PM NWA Registration and Information Desk will be open outside Segell Room

0730 AM **Daily Weather Discussion**  
*Led by South Alabama University and University of Oklahoma*

0755 AM **Morning Announcements**  
*John Gordon, NWA Program Committee Chair, NOAA/NWS Louisville, KY*

0800 AM **Keynote Address**  
*Jack Hayes, Director of NOAA/NWS*

0900 AM – 0400 PM Exhibits open in Segell Room

**Session 6A: Severe Weather (Tornadoes)**

*Session Chair: Mike Vescio (President-Elect), NOAA/NWS Pendleton, OR*

0840 AM **Invited Talk - Lessons Learned from the 1974 Super Outbreak**

*Greg Forbes, The Weather Channel, Atlanta, GA*

0900 AM **An Overview of the Northwood, North Dakota EF-4 Tornado (26 August 2007)**

*David Kellenbenz, NOAA/NWS Grand Forks, ND*

0915 AM **Multiple Doppler Radar Analysis of the 02 May 2008 Kansas City Bow Echo**

*Suzanne Fortin, NOAA/NWS Pleasant Hill, MO*

**Session 5B: Instruments and Techniques (Satellite)**

*Session Chair: Gary Jedlovec, NASA/Global Hydrology and Climate Center, Huntsville, AL*

0845 AM **An Evaluation of Transitioning New Satellite Products to Operations and Future Directions**

*Jordon Joel Gerth, CIMSS/Space Science and Engineering Center (SSEC) University of Wisconsin- Madison, Madison, WI*

0900 AM **Nearcasting Convective Destabilization Using Information from the GOES Sounder**  
*Robert Aune, NOAA/National Environmental Satellite, Data and Information Service (NESDIS)/Center for Satellite Applications and Research (STAR)/Advanced Satellite Products Branch (ASPB), Madison, WI*

1000 AM **Coffee Break; Exhibits open in Segell Room**

**Session 7A: Weather Analysis and Forecasting I**

*Session Chair: John Gagan, NWA Weather Analysis and Forecasting Committee Chair, NOAA/NWS Springfield, MO*

1030 AM **Modeling and Weather Visualization Initiatives at the Air Force Weather Agency**

*R. Bruce Telfeyan, Evan L. Kuchera, Jeffrey D. Cetola and John Eylander, Air Force Weather Agency, Offutt AFB, NE*

1045 AM **The Effects of Atlantic Hurricanes on Air Quality in Ontario**

*Frank Dempsey, Ontario Ministry of Environment, Toronto, ON*

1100 AM **A Comparative Analysis of Two Heavy Banded Snow Events for the East Coast and Central US**  
*Austin Gibbons, Saint Louis University, St. Louis, MO; Mike Evans, NOAA/NWS, Binghamton, NY; Chad Gravelle, Saint Louis University, St. Louis, MO; Emily Berndt, Saint Louis University, St. Louis, MO; and Michael Paddock, NOAA/NWS, Phoenix, AZ*

**Session 8: River Flooding**

*Session Chair: Mike Callahan, NOAA/NWS Louisville, KY*

1115 AM **Development of Near-Real-Time and Predicted Flood-Inundation Maps for Internet Display and Hazard Mitigation Planning**

*Sally Pavlow, NOAA/NWS Indianapolis, IN; Moon H. Kim, US Geological Survey Water Science Center, Indianapolis, IN, and Kevin J. Mickey, The Polis Center at Indiana University-Purdue University Indianapolis, Indianapolis, IN*

1130 AM **Ohio River Forecast Center (OHRFC) Short Lead-Time Probabilistic Hydrologic Forecasting**

*Thomas Adams and James Noel, NOAA/NWS OHRFC, Wilmington, OH*

1145 AM **Lunch on your own; Exhibits open in Segell Room**

**Session 2B: Historical Weather Events II**

*Session Chair: John Scala, NWA President, WGAL-TV Lancaster, PA*

0100 PM **Invited Talk - Advancements in Flash Flood Prediction Since the Big Thompson, Colorado Flash Flood of 1976**

*Matthew Kelsch, UCAR COMET, Boulder, CO*

0120 PM **Invited Talk - The June 1953 Tornadoes of Flint and Worcester: How They Happened and What We Learned**

*Eleanor Vallier-Talbot, NWA Education Committee Co-Chair, NOAA/NWS Taunton, MA*

0140 PM **Invited Talk - Sierra Slam: The Historic 1952 Blizzard in the Sierra-Nevada Mountains**  
*Chris Smallcomb, NOAA/NWS Reno, NV*

**Session 9: Situational Awareness**

*Session Chair: Jacqui Jeras, CNN Worldwide, Atlanta, GA*

0155 PM **Using Google® Earth as a Situational Awareness Tool: An NWS Central Region Headquarters Example**

*Brian P. Walawender, NOAA/NWS Central Region Headquarters, Kansas City, MO*

0210 PM **Situational Awareness and Operational Issues with a Rare January Tornado in Wisconsin**

*Jeffrey P. Craven, NWA Publication Committee Chair, NOAA/NWS, Dousman, WI*

0225 PM **Responding to the Unexpected: Attaining Situation Awareness When You Least Expect It**

*Elizabeth Quotone, NWA Commissioner of Committees, NOAA/NWS Warning Decision Training Branch, Norman, OK*

## Poster Session II (Break Included)

**0240 – 0400 PM** *Session Chairs: Robert J. Trapp, Purdue University, West Lafayette, IN; Gregory Goodrich, Western Kentucky University, Bowling Green, KY; and Chad Kauffman, California University of Pennsylvania, California, PA*

## Session 10: Aviation Weather

*Session Chair: Randy Baker, United Parcel Service, Louisville, KY*

- 0410 PM** **Invited Talk - The Lessons of Flight 191: How Aviation Weather Safety Has Advanced in the 23 Years Since Dallas-Fort Worth Airport (DFW)**  
*Tom Bradshaw, NOAA/NWS Southern Region Headquarters, Ft. Worth, TX*
- 0430 PM** **A Tactical Decision Aid for Aviation Flow Decision Making to Limit the Impacts of Thunderstorms on Climb and Descent Traffic at a Major Airport**  
*David Sharp, NOAA/NWS Melbourne, FL*
- 0445 PM** **The Aviation Weather Routing Tool: A New Decision Support System**  
*David Knapp (Former NWA President), Army Research Laboratory, White Sands Missile Range, NM*
- 0500 PM** **Identification of Aviation Turbulence Signatures in High-Resolution Satellite Imagery**  
*Kristopher Nedka, SSEC/CIMSS/University of Wisconsin-Madison, Madison, WI*

## Session 11A: General Interest I

*Session Chair: NWA Broadcast Meteorology Committee Public Relations Chair and Seal Evaluation Board Member Betsy Kling, WKYC-TV, Cleveland, OH*

- 0515 PM** **Customer Service Workshops: Get to Know Your Users**  
*Christine Wielgos, Pat Spoden, and Rick Shanklin, NOAA/NWS Paducah, KY*
- 0530 PM** **Weather Isn't What It Used To Be**  
*Glen Conner, Western Kentucky University, Bowling Green, KY*
- 0545 PM** **Open Discussion and Wrap Up**
- 0630 PM** **NWA Council and Committee Chairs dinner/business meeting (Jones Room)**

Wednesday, 15 October 2008  
NWA Annual Meeting General Sessions

- 0700 AM – 0730 PM** **NWA Registration and Information Desk will be open**
- 0730 AM** **Daily Weather Discussion**  
*Led by Purdue University and Mississippi State University*
- 0755 AM** **Morning Announcements**  
*John Gordon, NWA Program Committee Chair, NOAA/NWS Louisville, KY*
- 0800 AM** **Invited Talk - The History of the Studies of Bow Echoes and Their Role in the NWS Severe Weather Warning Program**  
*Ron Przybylinski, NOAA/NWS St. Charles, MO*

## Session 12: The 5-6 February 2008 Super Tuesday Event

*Session Chair: Alan Gerard (Former NWA President), NOAA/NWS Jackson, MS, and Ted Funk, NOAA/NWS Louisville, KY*

- 0820 AM** **Forecasting the Super Tuesday Tornado Outbreak at the SPC: When Does Higher Resolution Data Become Too Much?**  
*Jeffry Evans and Corey Mead, NOAA/NWS/SPC, Norman, OK*
- 0835 AM** **The 5-6 February 2008 Tornadic QLCS: Evaluation of Rapid, Cyclic Mesovortex Evolution in a Highly-Sheared Environment**  
*Angela D. Lese and Theodore W. Funk, NOAA/NWS Louisville, KY*
- 0850 AM** **Lightning Behavior and its Dependence on Storm Kinematic and Precipitation Processes for an EF-4 Tornado Producing Supercell on 6 February 2008**  
*Elise V. Johnson, University of Alabama, Huntsville, AL (Ex Officio NWA Councilor)*
- 0905 AM** **Analysis of Data from the 2008 Super Tuesday Severe Weather Outbreak: An Arkansas Perspective**  
*Christopher C. Buonanno, Brian D. Smith, John A. Lewis III, and Chuck Richard, NOAA/NWS Little Rock, AR*
- 0920 AM** **The 06 February 2008 Winter Storm over the Lower Great Lakes**  
*Mark Gehring and Bill Borghoff, NOAA/NWS Milwaukee/Sullivan, Dousman, WI*
- 0935 AM** **A Synoptic Climatology of "Super Tuesday 2008" Voter Turnout**  
*Katie L. Mercadante, California University of Pennsylvania, Baden, PA*
- 0950 AM** **Coffee Break**
- 1020 AM** **Cool Season Discussion**  
*Led by Alan Gerard (Former NWA President), NOAA/NWS Jackson, MS, and Ted Funk NOAA/NWS Louisville, KY*

## Session 13: Weather in 2020

*Session Chair: Ken Carey, NWA Remote Sensing Committee Chair, Noblis Center for Science and Technology, Falls Church, VA*

- 1050 AM** **Invited Talk - 2020 Vision – Climate Water Weather Services in the Future**  
*Ken Graham, NOAA/NWS Silver Spring, MD*
- 1105 AM** **Invited Talk - 2020 Vision – Radar and Satellite Perspective**  
*Brian Motta, NOAA/NWS Forecast Decision Training Branch, Boulder, CO*

## Session 11B: General Interest II

*Session Chair: John Scala, NWA President, WGAL-TV Lancaster, PA*

- 1120 AM** **A Review of Significant Weather Events Occurring in 2008**  
*Greg Carbin, NOAA/NWS/SPC, Norman, OK*
- 1150 AM – 0155 PM** **AWARDS LUNCHEON – RIVUE Restaurant (West Tower)**

## Session 14: Winter Weather

Session Chair: Tom Niziol, NOAA/NWS Buffalo, NY

- 0155 PM Invited Talk - The 1978 East Coast Blizzard  
*Ken Reeves, AccuWeather, State College, PA*
- 0215 PM Wintertime Mesoscale Vortices Over Lake Michigan  
*Sam Lashley, NOAA/NWS Northern Indiana, Syracuse, IN*
- 0230 PM Analysis of Cloud and Cloud-to-Ground Lightning in Winter Precipitation  
*Brian P. Pettegrew, Dr. Patrick S. Market (NWA Councilor) Charly A. Clendenning, University of Missouri, Columbia, MO; Ronald L. Holle and Nicholas W. S. Demetriades, Vaisala, Inc., Tucson, AZ*
- 0245 PM Building a Greater Understanding of Northwest Flow Snow in the Southern Appalachians Through a Unique Collaborative Approach  
*Steve Keighton, NOAA/NWS Blacksburg, VA*
- 0300 PM A Late Season Significant Snow Storm in Anchorage – Investigation and Analysis  
*James Nelson, NOAA/NWS Anchorage, AK*

## Session 15: Historical Weather Events III

Session Chair: Jonathan Case, NASA/Applied Meteorology Unit, Huntsville, AL

- 0315 PM Red Boiling Springs, Tennessee Flood of June 23, 1969  
*Mark A. Rose, NOAA/NWS Nashville, TN*
- 0330 PM Invited Talk - The Great Flood of 1937: Hell and High Water in Louisville, KY  
*Rick Bell, US Marine Hospital Foundation, Louisville, KY*
- 0345 PM City on the Bayou: Houston's History Through Floods  
*Maureen Maiuri and Jill F. Hasling, CCM (NWA Councilor), Weather Research Center Houston, TX*
- 0400 PM Coffee Break

## Session 16: Weather Tools and Products

Session Chair: Mark Jarvis, NOAA/NWS Louisville, KY

- 0430 PM Developing Geospatial Representations of Tornado Tracks During the Arkansas Spring 2008 Severe Weather Season  
*Christopher C. Buonanno, Dan Koch and Tabitha Clarke, NOAA/NWS Little Rock, AR*
- 0445 PM How Enterprise GIS is Helping the National Weather Service: Google® Products and Its Benefits to Both Internal and External Users  
*Keith Stellman, NOAA/NWS Shreveport, LA*
- 0500 PM Invited talk – BUFKIT : A Success Story Developed By and For the Operational Forecaster  
*Tom Niziol, NOAA/NWS Buffalo, NY*
- 0520 PM Invited talk – GR Level 2 Analyst  
*Mike Gibson, Gibson Ridge Software, LLC, Suwanee, GA*
- 0540 PM Wrap Up
- 0545 PM Teacher Workshop  
*Education Committee Co-chairs Jeffrey Tongue and Eleanor Vallier-Talbot*
- 0630 PM NWA Council dinner/business meeting (Jones Room)

Thursday, 16 October 2008

## NWA Annual Meeting General Sessions

- 0700 AM – 0730 PM NWA Registration and Information  
Desk will be open
- 0730 AM Daily Weather Discussion  
*Led by St. Louis University and Western Kentucky University*
- 0755 AM Morning Announcements  
*John Gordon, NWA Program Committee Chair, NOAA/NWS Louisville, KY*

## Session 6B: Severe Weather Cool Season Tornadoes

Session Chairs: Mike Brown, NWA Broadcast Seal Testing Chair, Mississippi State University, Starkville, MS

- 0800 AM 7 January 2008 Tornado at the Rolla-Vichy National Airport  
*John P. Gagan, NOAA/NWS Springfield, MO*
- 0815 AM Characteristics Common to Cool Season Thin Line Damaging Wind Events Across the Southern Great Lakes, With a Focus on Northern Indiana  
*Jon Chamberlain, NOAA/NWS Northern Indiana, Syracuse, IN*
- 0830 AM A Combined Next Generation Radar (NEXRAD) and CG Lightning Examination of the Atlanta Tornado  
*John M. Trostel, Jenny L. Matthews and Colleen Coyle, Severe Storms Research Center, Georgia Tech Research Institute, Atlanta, GA; and Nicholas W. Demetriades, Vaisala Inc., Tucson, AZ*

## Session 17: Local Effects

Session Chair: Tom Bradshaw, NOAA/NWS Southern Region Headquarters, Forth Worth, TX

- 0845 AM Forecasting Cold Air Damming and the Position of the Wedge Front Over Northern Georgia  
*Patricia Atwell, NOAA/NWS Atlanta, Peachtree City, GA*
- 0900 AM The Lake Snow Parameter  
*Bruce B. Smith, John P. Boris and Monique L. Runyan, NOAA/NWS Gaylord, MI*

## Poster Session III (Break Included)

- 0915 – 1045 AM Session Chairs: Patrick Market, University of Missouri-Columbia, Columbia, MO (NWA Councilor), Charles Graves and Ben Abell, St. Louis University, St. Louis, MO

## Session 5C: Instruments and Techniques (Observations and Mesonet)

Session Chair: Stuart Foster, Western Kentucky University, Bowling Green, KY

- 1045 AM New Tools and Technologies to Support Surface Transportation Meteorology  
*Andrew Stern, Noblis, Inc., Falls Church, VA*
- 1100 AM CoCoRaHS: Beneficial Supplementary Precipitation Data for Hydro and Weather Operations  
*Henry Reges, Nolan Doesken, Robert Cifelli, Julian Turner and Zach Schwalbe, Community Collaboration Rain, Hail and Snow Network (CoCoRaHS) Colorado State University, Fort Collins, CO*

1115 AM **An Overview of Weather and Climate Observation in Kentucky**

*Stuart A. Foster, Western Kentucky University, Bowling Green, KY*

1130 AM **Lunch on your own**

### Session 18: Weather and Societal Impacts

*Session Chair: Terry Lankford, NWA Aviation Meteorology Committee, Murphys, CA*

1245 PM **What if the 3 April 1974 Tornado Super Outbreak in North Alabama Occurred Now?**

*Tim Troutman, NOAA/NWS Huntsville, AL*

0100 PM **A Brief Blizzard – Issues with the NWS Warning Program for Short Duration Winter Events**

*Andrew Just, NOAA/NWS Marquette, MI*

0115 PM **Subjective Classification of High Impact Sub-Advisory (HISA) Snow Events Using Normalized Climatological Anomalies**

*Greg DeVoir, NOAA/NWS State College, PA; John Scala (NWA President), WGAL-TV, Lancaster, PA; Richard Grumm, NOAA/NWS State College, PA; David Nicosia, NOAA/NWS Binghamton, NY; Steven Zubrick, NOAA/NWS Sterling (NWA Treasurer), NOAA/NWS State College, VA; and David J. Ondrejik, NOAA/NWS State College, PA*

0130 PM **Casinos and Severe Weather Risk Exposure**

*Dan Miller, NOAA/NWS Duluth, MN; Douglas A. Spegher, NOAA/NWS, Norman, OK; and*

*Andy Bailey, NOAA/NWS Pleasant Hill, MO*

### Session 6C: Severe Weather Flash Flooding

*Session Chair: Nancy Van Camp, WSMV-TV, Nashville, TN*

0145 PM **Record Rainfall of March 18-20, 2008 from the Southern Plains to Lower Ohio Valley**

*Michael Eckert, NOAA/NWS/NCEP/HPC, Camp Springs, MD*

0200 PM **An Analysis of Key Aspects of Warm and Cool Season Flash Flooding in the Southern Appalachians**

*William Mark Baldwin, Tennessee Emergency Management Agency, Nashville, TN, Rezaul Mahood, Western Kentucky University, Bowling Green, KY*

0215 PM **Case Study of the 12 September 2006 Evansville, Indiana Flash Flood Event**

*Patrick J. Spoden, NOAA/NWS Paducah, KY, Dr. Patrick S. Market (NWA Councilor) and Brian Pettegrew, University of Missouri-Columbia, Columbia, MO*

0230 PM **Recent Flash Flood Events: New Insights for Old Composites**

*Sam Ng, Metropolitan State College of Denver, Denver, CO, and Matt Kelsch, University Corporation for Atmospheric Research (UCAR)/Cooperative Program for Operational Meteorology, Education and Training (COMET), Boulder, CO*

0245 PM **Coffee Break**

### Session 19: Climatology

*Session Chair: Tim Troutman, NOAA/NWS Huntsville, Huntsville, AL*

0315 PM **El Nino/Southern Oscillation and North Atlantic Oscillation Impacts on Ohio Crop Yields**  
*James Noel and Robin Belton-Gerhardt, NOAA/NWS/Ohio River Forecast Center (OHRFC), Wilmington, OH, Peter Thomison, Department of Horticulture and Crop Science, Ohio State University, Columbus, OH*

0330 PM **A Comprehensive 5-year Severe Storm Environment Climatology for the Continental United States**

*Russell S. Schneider, NOAA/NWS SPC, Andrew R. Dean, OU-NOAA Cooperative Institute for Mesoscale Meteorological Studies Steven J. Weiss, NOAA/NWS SPC, Norman OK (NWA Past President)*

### Session 7B: Weather Analysis and Forecasting

*Session Chair: Angela Lese, NOAA/NWS Louisville, KY*

0345 PM **Orographic Wind Effects at White Sands and Landing Decision Impacts for the Shuttle**

*Tim Oram, NWA IT Committee Chair, NWS Spaceflight Meteorology Group, Houston, TX*

0400 PM **Conceptualization of Convective Initiation in New Jersey for Operational Prediction**

*Paul J. Croft, Kean University, Union, NJ (NWA Past President)*

0415 PM **The August 2007 Heat Wave in the NWS St. Louis County Warning Area**

*Fred H. Glass, NOAA/NWS St. Charles, MO*

0430 PM **A Methodology Combining Accuracy and Consistency in Probabilistic Precipitation Forecasts**

*Andrea Lammers, NOAA/NWS Louisville, KY, Samuel Lashley, L. Fisher, B. J. Simpson, J. Taylor, NOAA/NWS Northern Indiana, Syracuse, IN*

### Session 20: HAZMAT / Incident Support

*Session Chair: Hector Guerrero, NOAA/NWS San Angelo, San Angelo TX*

0445 PM **Incident Command System Training for NWS WFOs**  
*Ray Wolf and Donna Dubberke, NOAA/NWS Quad Cities, Davenport, IA*

0500 PM **Providing Innovative Communication and Incident Support to West Central Texas Emergency Managers and the Fundamental Church of Latter Day Saints Incident during a Fast Breaking Tornadoic Event**

*Mark Cunningham, Michael Lacy, Mary Keiser, Seth Nagle, Hector Guerrero, NOAA/NWS San Angelo, San Angelo, TX*

### Session 11C: General Interest III

*Session Chair: John D. Gordon, NWA Program Committee Chair, NOAA/NWS, Louisville, KY*

0515 PM **Invited Talk - Backyard Weather Folklore**  
*John Belski, WAVE-TV, Louisville, KY*

0530 PM **NWA President concluding remarks and NWA president elect**

0545 PM **Adjourn**

Next Annual Meeting: Norfolk, VA!

**33rd Annual NWA Meeting Preregistration:** This form and fees are due by Oct. 3 to: NWA Meeting, 228 West Millbrook Road, Raleigh, NC 27609-4304 USA. Make payment to "NWA" in US funds by a US bank check, money order or government/institution purchase order. Preregister by credit card at [www.nwas.org/meetings/nwa08mtg.html](http://www.nwas.org/meetings/nwa08mtg.html).

Name (for name tag): \_\_\_\_\_

Employer, School or other Affiliation (for name tag): \_\_\_\_\_

City/State (for name tag): \_\_\_\_\_

Telephone number and e-mail address: \_\_\_\_\_

Arrival Date at meeting: \_\_\_\_\_ Departure Date from meeting: \_\_\_\_\_

Preregistration fees: \$ \_\_\_\_\_

Number of extra Awards Luncheon tickets (\$30 each): \_\_\_\_\_

Number for Golf Outing (\$75 each) \_\_\_\_\_ Total Funds enclosed: \$ \_\_\_\_\_

Please Circle all applicable phrases listed here:

NWA member

NWA local chapter member

Non-member

Student

Retired

Session Chair

Presenter

Program committee member

Local Arrangements committee member

I will bring a tape to the Tape Swap

I'll attend the Tape Swap but not bring a tape

## This month's newsletter: the full agenda of the 33rd NWA Annual Meeting

October 11 - 16, 2008

Louisville, Kentucky

*The NWA's 33rd Annual Meeting at the Galt House Hotel & Suites ([www.galthouse.com](http://www.galthouse.com))*

**Sept. 10:** Receive group rates on hotel

**Oct. 3:** Preregister for 33rd Annual Meeting

**Oct. 11 - 16:** Annual Meeting

Visit [www.nwas.org](http://www.nwas.org) for information on exhibits, special accommodations and registration.

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