

Professional Development Committee

A. Status/Progress on Meeting Our 2011 Goals

- *Identify and promote professional development opportunities for NWA members at national/annual, regional/topical, and local chapter meetings, to include encouraging opportunities for mentoring*

IN PROGRESS: We have made great progress and several initiatives are underway to promote professional development initiatives and opportunities:

- (1) The Professional Development Committee engaged every NWA committee in seeking feedback and consensus on the optimum set of professional development topics for an interactive, user-focused web portal.
- (2) We are continuing to leverage the committee's wide expertise, passion, and our suggestions and ideas on innovative ideas to promote professional development opportunities for NWA members.
- (3) Committee members have been actively engaged in mentoring students and young professionals. K. Carey and other committee members will meet with students at the 2011 NWA annual meeting.
- (4) We have continued to seek out appropriate partnerships and collaborative opportunities with other NWA and AMS boards and committees, to include working with the Remote Sensing Committee in developing the agenda for the 7th GOES Users' Conference.

- *Publish regular articles on professional development in the NWA newsletter, and submit for posting particularly noteworthy highlights on the NWA web site*

COMPLETE: We have been very successful at publishing articles every month in the monthly NWA newsletter that have should have positively impacted the professionalism of NWA members. Since last year's end-of year report the following articles were submitted for publication:

- Evaluation of Improved Clear-air Turbulence Forecast Techniques at the NWS' Aviation Weather Center
- Meteorological Memories of 2010, Parts I and II
- Three Great Weather Books
- AWIPS II and GOES-R: When Updated Information Processing Systems and New Satellites Meet
- Weather Across Borders: Initiatives and Practices on the Texas-Mexico Border
- A Composite Analysis of Major Ice Storms in the Central United States
- New Concepts and Methodology in Lightning Forecasting

- Incorporation of NASA Satellite Data into the CHILI Mesonet Dataset to Improve Decision Support
 - Tornadoes Producing Damage on the Ground Detectable by Dual-Polarization Radar
 - Examining the Use of a Probabilistic Precipitation Algorithm for High-impact Thresholds
 - Morphologic Investigation of Thunderstorm Initiates and GIS Attributes with Testing for Improved Operational Nowcasting of Thunderstorms and their Severity in New Jersey
 - 12-13 February 2010 Snowstorm: The Importance of Considering Snow to Liquid Ratio during the Forecast Process
 - Incorporation of NASA Satellite Data into the CHILI Mesonet Dataset to Improve Decision Support
 - Indices of Violent Tornado Environments
 - Extreme Precipitation Events in Future Climates: Weather, Water, and Climate Research Applications for the Colorado Front Range
 - Broadcast Meteorology: Much More than Forecasting the Weather
 - COMET Turns 21
 - Evaluation of Improved Clear-air Turbulence Forecast Techniques at the NWS' Aviation Weather Center
 - New Modules from COMET
 - 12-13 February 2010 Snowstorm: The Importance of Considering Snow to Liquid Ratio during the Forecast Process
 - The Tennessee Floods of May 2010: A Satellite Perspective -- Part I
 - Mechanisms of Lightning Injury Should Affect Lightning Safety Messages
 - The Tennessee Floods of May 2010: A Satellite Perspective Part II
 - What's New from COMET
 - The National Weather Service's Geographic Information System-based Storm Damage Assessment Toolkit
- *Enhance the professional development committee web pages, and organize them for maximum usefulness and impact*

IN PROGRESS:

- (1) Thanks to the hard work of several members of our committee (most notably Jordan Gerth, Mark Fox and Greg Carbin), we have continued to maintain and enhance our Professional Development Committee web site (see <http://www.nwas.org/committees/professionaldevelopment/index.php>), to include new newsletter articles, improvements in our training pages, and addition of particularly appropriate presentations and articles from a variety of authors.

(2) We held several conferences calls with representatives from every NWA committee to discuss Professional Development Resources. The call purposes were to:

- Discuss the needs of NWA members for professional development (e.g., training) resources
- Determine if the NWA has professional development resources that adequately address every area needed by its members
- Identify where these materials should reside, and who should be responsible for maintaining it
- Discuss next steps and needed actions

As a result, our committee orchestrated efforts to create a comprehensive web-based offering of professional development resources applicable across the NWA. With leadership from G. Carbin and J. Gerth, we submitted a prototype for all NWA members for professional development resources. We are working with K. Lavin and the IT Committee to finalize the proposed new integrated and member-friendly web portal for professional development resources.

- *Support the NWA awards process by submitting at least one NWA annual award nomination package that recognizes professional development excellence*

COMPLETE: J. Ferree submitted a nomination package for Jack Hales, who earned a well-deserved NWA Special Lifetime Achievement Award.

B. Status of Any Council Action Items Assigned to Our Committee: No action items have been assigned to our committee.

C. Any Concerns or Need for Input from the Council: None.

D. Committee Roster:

- Greg Carbin was approved as the new committee chair, effective 1 January 2012
- Trisha Palmer was approved as a new committee member, effective 1 January 2012 (will replace Brian Motta)
- Don Schweneker was approved as a new committee member, effective 1 January 2012 (will replace Richard Shull)

Name	Position/Mailing Address	Term Ends
Kenneth Carey Chair	Senior Principal Systems Engineer Noblis, Inc. Center for Sustainability: Earth, Energy, and Climate 3150 Fairview Park Drive South, MS F540 Falls Church, VA 22042-4519	2014 (2 nd)
Greg Byrd	Senior Project Manager	2014

	UCAR/COMET P.O. Box 3000 Boulder, CO 80307-3000	(2 nd)
Greg Carbin	NWS Warning Coordination Meteorologist Storm Prediction Center 120 David L. Boren Blvd. Norman, OK 73072	2014 (2 nd)
John Ferree	Severe Storms Service Leader NWS Office of Climate Water and Weather Services 120 David L. Boren Blvd. Suite 2312 Norman, OK 73072	2012 (2 nd)
Mark Fox	Regional Training Officer National Weather Service Southern Region 819 Taylor Street Fort Worth, TX 76102	2014 (2 nd)
David Freeman	Chief Meteorologist KSNW TV 833 N Main St Wichita, KS 67203	2014 (2 nd)
Amy Gardner	Meteorologist Kansas City, KS	2014 (2 nd)
Jordan Gerth	Space Science and Engineering Center, Room 248 University of Wisconsin 1225 W. Dayton Street Madison, WI 53706	2014 (2 nd)
Kenneth Graham	Meteorologist in Charge New Orleans/Baton Rouge Forecast Office 62300 Airport Rd. Slidell, LA 70460-5243	2014 (2 nd)
Elise (Johnson) Schultz	Graduate Research Assistant Univ. of Alabama in Huntsville 320 Sparkman Drive Huntsville, AL 35805	2014 (2 nd)
Dan Miller	Science Operations Officer Duluth Weather Forecast Office 5027 Miller Trunk Highway Duluth, MN 55811-1442	2014 (2 nd)
Christine McGee	Hydrologist National Weather Service Southeast River Forecast Center 4 Falcon Drive Peachtree City, GA 30269	2013 (1 st)
Michael Mogil	Certified Consulting Meteorologist, and Certified Broadcast Meteorologist How the Weatherworks 1104 6th Street South Naples, FL 34102	2013 (1 st)
Brian Motta	DOC/NOAA/NWS/OCWWS Training Division Forecast Decision Training Branch David Skaggs Research Center (DSRC) - Room 3D131 325 Broadway Boulder, CO 80305-3328	2011 (1 st)
Richard Shull	TKC Technology Solutions/Truestone, LLC	2011

	Fairfax, VA 617 Victoria Drive Stevensville, MD 21666	(1 st)
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