



Weather and Climate Enterprise Commission Fall Council Update Report

Submitted by: **George L Frederick, Commissioner**

21 August 2007

The Commission continues to remain fully engaged in performing its mission. Summaries of actions of its boards and committees follow:

Board on Enterprise Communication (BEC)

The Ad Hoc Committee on Climate Services (ACCS) organized the “Town Hall Meeting on Climate Services—What Will the Future Bring?” on Wednesday, 17 January 2007. Excellent input was received from the community and the committee is moving towards finalizing comprehensive recommendations.

An Ad Hoc Planning Committee for the AMS Annual Community Meeting was formed to work with the CWCE Executive Committee and AMS in organizing the Annual Community Meeting, which has been held in Boulder, CO the first two years of its existence. Feeding into this process was the “Town Hall Meeting on Developing Community Priorities: Moving Our Weather and Climate Community Forward” that was held on 16 January 2007 in San Antonio. This initiative sought feedback on how to work as a community to find common ground for our collective futures. The impetus for this event came from extensive discussions at the 2005 and 2006 AMS Community Meetings in Boulder. The ultimate objective of the “priorities” discussion was to develop a formal statement upon which AMS could stand and be counted in the halls of Congress and elsewhere on issues that were important to the community as a whole. The previous summer meetings and the town hall resulted in a grouping of issues that could be developed into a formal AMS statement. Additionally a core group of enthusiastic people was prepared to move forward with statement development. As planning moved toward the 3rd Annual Summer Community meeting it became evident that the timing of the meeting was awkward. If in fact we were to move on the statement, a writing team needed to be sought and approved by the Council. Once that was accomplished another community meeting might be appropriate. We proposed to the EC that such an initiative be undertaken and a call for writing team volunteers be posted. At the moment this initiative is on hold pending further discussion by the Council and consideration of other corollary initiatives such as the Administration Transition Document.

An Ad Hoc Committee on Uncertainty in Forecasting (ACUF) was formed in response to the recent NRC report "Completing the Forecast, Characterizing and Communicating Uncertainty for Better Decisions Using Weather and Climate Forecasts". We have posted a call for volunteers and have about 50 listed so far. NOAA has offered to co-chair the committee and Paul Hirschberg is nominated. We are considering a number of highly qualified candidates from the non-public sectors to serve as the other chair. This committee will probably devolve into a number of subcommittees that will pursue various aspects of this wide ranging subject.

Board on Enterprise Economic Development (BEED)

Pam Emch (Northrop) was nominated and approved as the Future Chair in the spring of 2007. Pam comes from the corporate sector whereas the current Chair, Bill Mahoney, is from the academic sector. Pam will begin her Chairpersonship in January 2008.

The Board created two ad hoc planning and organizing committees this year, one each for the Corporate Forum and Users Forum. The committees are entirely made up of Board members. The goal is to provide an enhanced opportunity for Board members to actively participate in the planning of its two major functions.

Corporate Forum. The BEED organized and successfully conducted the 2007 Corporate Forum at ASAE Conference Center in Washington, D.C. from 22-23 March 2007. Attendance on the first day was estimated to be about 75 persons and about three-quarters of that number on the second day. Highlighted topics included the Federal budget outlook, Federal agency plans, new sources of weather and climate data, advocating for science, and water resources. This year, Congressional Staff representing both authorization and appropriations committees were invited; however a last minute conflict with a NOAA hearing on the Hill kept the authorization committee from participating. A panel discussing ways to better advocate for science replaced that session. For the first time, the Department of Homeland Security participated in the agency update session. Rep. Mark Udall (D-CO), was the dinner speaker, and Dave McLaughlin, Director of CASA, was the luncheon speaker.

Users Forum: The Board successfully held the Fifth Users Forum during the San Antonio Annual Meeting. Speaker selection is always focused on finding representatives from a variety of economic sectors who are willing to discuss how weather and climate impact their operations, how they use weather and climate information, and where there are gaps in service. Invited speakers included representatives from Chesapeake Energy, Southwest Airlines, Northwest Airlines, Duke Energy, NCAR's Societal Impacts Program, and The National Golf Course Owners Association

Intelligent Transportation System (ITS) and Surface Transportation (ITS/ST) Committee continues to be very active under the leadership of Paul Pisano (Federal Highway Administration - FHWA). The Committee met jointly with Intelligent Transportation

Society of America's Weather Information and Applications Special Interest Group (WIA-SIG) on 17 January 2007 during the AMS Annual Meeting and they also met jointly on 27 July 2007 following the 3rd National Surface Transportation Weather Symposium, which was held in Washington, D.C. and sponsored by the OFCM and FHWA. Telecon meetings were held throughout the year. Committee membership represents all sectors (public, private, academia, and users). Committee members are involved in several transportation weather activities including research, operations, and community service (supporting various surface transportation weather conferences, symposia, and workshops). The Committee is currently working on a BAMS volume focused on road weather (this has been in the works for a couple years). Committee members also will conduct a road weather short course during the 2008 Annual Meeting and will help organize a transportation session during the IIPS conference. Advertisements and training materials for these activities will be developed during the fall. One of the Committee's primary activities is sharing information and promoting cross discipline activities. The Committee networks across several organizations including FHWA, NOAA, AMS, Transportation Research Board (TRB), American Association of State and Highway Transportation Officials (AASHTO), and State DOTs.

Energy Committee: Under the leadership of Jon Davis (Chesapeake Energy), the Energy Committee got its legs in 2007 and began moving forward on several fronts. The committee met face to face for the first time on 16 January 2007 during the AMS Annual Meeting and had several telecons throughout the year. Committee members represent several facets of the energy industry including oil, natural gas, wind, trading, exploration, and research. The Committee began identifying energy related meetings, conferences, and workshops that may be of interest to the weather and climate community and they began to develop a list of energy meteorologists that could be used as a reference. The lists will be posted on a new AMS Energy Committee website, which is under development. An early highlight of the Committee is its involvement with the National Climate Data Center (NCDC) in their efforts to seek community input on their plans to recalculate climate normals. Tom Karl, Director of NCDC, attended the first Committee meeting in San Antonio and asked the Committee to help him seek stakeholder feedback. Jon Davis and NCDC organized the first of a series of NCDC stakeholder telecons on this subject and it was a big success with 99 persons participating. The Committee is also organizing the offshore energy session for the 2008 Users Forum.

New Sector Committees: The BEED will discuss the next steps for establishing additional sector committees. Both water resources and human health committees have been proposed by the Commission Steering Committee and other members of the community.

Board on Enterprise Planning (BEP)

Mesoscale Observing Networks Annual Partnership Topic (APT): The Working group (WG) and Topic Committee made significant progress early on this APT since it started

in 2006 but recent progress has been slow due to a number of factors. Prime among these factors is the formation of an NRC committee that overlaps with some of the APT objectives and incorporates a number of the APT WG members including the chair (Fred Carr). Current plan is to extend this APT for a full three year term (it was originally to be a “jump start” APT with a two-year schedule) and parlay interim results from the NRC effort into focus topics for the APT. We expect to see renewed energy by the time of the annual meeting.

Building America’s Resilience to Hurricane Disasters APT (Hurricane Disasters APT): See the Board report for details. This APT is underway and getting very active. It had its first meeting in Boulder in early July and has established an aggressive schedule to move forward. Expect a town hall meeting in New Orleans and other activities to follow.

New APT: Several topics have been suggested and will be considered during the next cycle in 2008. The ACUF effort could result in one or more APTs on forecast uncertainty.

Commission Steering Committee (CSC)

The CSC has held one meeting so far in 2007, just prior to the annual meeting in San Antonio. Since we didn’t hold the Summer Meeting we are planning a Webex meeting this fall. Guidance from the committee and approval of the APTs have been crucial to the success of Commission activities. A recent listing of CSC membership is attached. We have several members reaching normal term limits in January 2008 and others who have resigned -- **need Council approval or guidance** on the following recommendations:

1. BGen Johnson, resigned due to leaving NWS. Recommend Jack Hayes, his replacement at NWS, be appointed.
2. Johnnie Burton, resigned due to leaving MMS and government service. Need Council recommendations for replacement.
3. Ray Ban, term limit. Recommend extending him for a second term of three years to 2011.
4. John Snow, term limit. Recommend extending him for a second term of three years to 2011.
5. Steve Root, term limit. Recommend extending him for a second term of three years to 2011.
6. John Stults, term limit. Need Council recommendations for a replacement.
7. James Baker, term limit. Recommend replacing with Todd Glickman, resume attached.
8. Bill Mahoney, term limit as BEED chair and CSC member. He is being replaced by Pam Emch who will assume his position on the CSC.
9. Terry Tarbell, term limit as BEP chair and CSC member. Need Council advice and guidance on replacement.
10. George Frederick, term limit as Commissioner and CSC chair. Need replacement identified and factored into the new organizational structure. New structure will see a Future Commissioner and a Past Commissioner added to the CSC.

Members of the AMS Weather and Climate Enterprise Commission Steering Committee as of 5/30/2007 (Terms expire after annual meeting in year indicated)

- **Voting members by position (4)**
 - **George Frederick, CSC Chair, WCEC Commissioner (2008)**
 - **Bill Mahoney, BEED Chair (2008)**
 - **Terry Tarbell, BEP Chair (2008)**
 - **Matt Parker, CCM, BEC Chair (2009)**

- **Senior members (voting) from the provider community (7)**
 - **Dr. Joel Myers, President and Founder of Accuweather(2009)**
 - **BGen DL Johnson, Director, NWS(2009)**
 - **Tom Karl, NOAA/NCDC (2010)**
 - **Ray Ban, Sr. VP The Weather Channel (2008)**
 - **Steve Root, CCM, President WeatherBank & President CWSA (2008)**
 - **Sean Potter, CCM, Weather Detectives & President NCIM (2010)**
 - **Sam Williamson, OFCM, (2010)**

- **Senior members (voting) from the user community (5)**
 - **Kevin Stewart, Chair of the National Hydrologic Warning Council (2009)**
 - **Dr. Denise Stephenson Hawk, The Stephenson Group (2009)**
 - **Marilyn Brown, GA Tech (2010)**
 - **John Stults, Western Governors Assn & State of Montana (2008)**
 - **Johnnie Burton, Director MMS, (2010)**

- **At-large members (voting) to ensure diversity (4)**
 - **James Baker, Ret NOAA Administrator (2008)**
 - **Dr. John Snow, CCM, Dean, College of Atm & Geogr Sciences, University of Oklahoma (2008)**
 - **Kevin Lavin, Executive Director NWA (2009)**
 - **Dr. Susan Avery, CCM, University of Colorado (2009)**

- **Non-voting members by position**
 - **Rick Anthes, President (2008)**
 - **Keith Seitter, CCM, Executive Director AMS (N/A)**
 - **John Toohey-Morales, CCM, Professional Affairs Commissioner (2008)**
 - **Roger Wakimoto, STAC Commissioner (2009)**
 - **Julie Ann Winkler, Education and Human Resources Commissioner (2009)**

Todd Glickman's Resume

Todd S. Glickman

QUALIFICATIONS

Twenty-five+ years of progressive management experience in weather information services, with specialization in product development, marketing, operations, and contract and program management. Particular expertise in:

- Development and marketing weather information products and services
- Knowledge of media, aviation, industry, and government market requirements
- Personnel and resource management of weather-related organizations
- Government policy issues relative to weather information and services
- Training and education, specializing in broadcast meteorology and air traffic control applications.

Twenty-five+ years of public speaking, radio broadcasting, and narration.
Extensive experience in the operation and management of non-profit organizations.

EXPERIENCE

Massachusetts Institute of Technology (1999-)

Office of Corporate Relations, Associate Director (2005-); Senior Industrial Liaison Officer (2000-2004)

Responsible for facilitating the participation of industry in research and educational collaborations at MIT. These collaborations are highly varied and can include:

- Sponsoring research (single- and multi-sponsored programs)
- Monitoring research developments at MIT
- Finding expert consultants from among MIT faculty
- Tapping faculty expertise for strategic evaluations
- Licensing MIT-owned intellectual property
- Enhancing recruitment of MIT graduates and students
- Participating in MIT continuing and professional education programs and developing customized programs
- Exchanging personnel and sponsoring fellows
- Participating in MIT seminars, conferences, consortia and programs.

Project Administrator, Campus Activities Complex (1999)

American Meteorological Society (1994-1999)

Assistant Executive Director

Selected Responsibilities:

- Managing Editor, AMS Glossary of Meteorology, Second Edition
- Oversight of planning for major conferences
- Headquarters liaison to Scientific and Technological Activities Commission
- Headquarters liaison to Commission on Professional Affairs
- Strategic planning for continuing education programs, conferences/symposia,

and various member services
WSI Corporation (1979-1993)
Manager, Government Program Office
Manager, Industry and Government Marketing
Manager, New Product Development
Account Executive

Selected Accomplishments:

Founding member of NWS/private sector working groups, overseeing data and information services management. Led private sector effort to ensure reliability and cost-effectiveness of raw weather data from government sources. Liaison with NWS and professional societies.

Key role in development of unique WSI Corporation weather information products, including NOWrad(r), SUPERfax(tm), and SUPERSat(r)

Author and presenter of over three dozen papers at professional conferences; extensive experience as program chair, lecturer, and panelist

Leadership role in development and management of services for The Weather Channel(r) and Cable News Network

Recipient of the DoD Cogswell Award for security program excellence; ten years' consecutive inspections with zero deficiencies.

Weather Services Corporation (1978-1994, part-time)

Broadcast Meteorologist, responsible for the preparation and broadcast of radio weathercasts to stations nationwide. Also design and preparation of the weather graphic for USA Today's weather page.

Selected Consulting Services "The Portable Weather Center®"

US Airways Shuttle, Inc., NYC, NY - Instructor for recurrent training of pilots (1994-2001)

WCBS Newsradio-88 , NYC, NY - Broadcast meteorologist (1979-present)

CBS Radio News, NYC, NY- Freelance correspondent (1986-present)

Pierce Coach Line, Roslyn, NY - School bus operations and safety (1979-present)

Video Troupe, Inc., Windham, NH - Narration services (1993-1995)

WeatherData, Inc., Wichita, KS - Member Board of Directors (2002-2006)

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY - Bachelor of Science in Earth and

Planetary Sciences, Concentration in Meteorology, 1977

MASSACHUSETTS INSTITUTE OF TECHNOLOGY - Graduate Courses in Transportation

Technology, 1978-1979

SUFFOLK UNIVERSITY - Master in Business Administration, 1988

PROFESSIONAL ORGANIZATIONS

AMERICAN METEOROLOGICAL SOCIETY , Fellow
Certified Broadcast Meteorologist, awarded June, 2005
Received "Special Award" for leading the effort to publish the Glossary of
Meteorology, Second Edition - 2002
Board of Continuing Education - 2002-
Board of Aviation, Range, and Aerospace Meteorology - 2002-2005
Nominations Committee - 1994
Broadcast Seal of Approval Appeals Committee - 1993 and 2003
Board of Private Sector Meteorology - 1990-1992, Chair in 1992
Board of Aviation, Range, and Aerospace Meteorology - 1990-1993
Board of Broadcast Meteorology - 1983-1986, Chair in 1985
Awarded Seal of Approval for Radio Weathercasting - 1979
NATIONAL WEATHER ASSOCIATION , Member
SIGMA XI, Member

COMMUNITY VOLUNTEER ACTIVITIES

TECHNOLOGY BROADCASTING CORPORATION/WMBR-FM - President and
Trustee
SEASHORE TROLLEY MUSEUM - Rail Vehicle Instructor/Inspector, and Past Trustee
WGBH-TV CHANNEL 2 AUCTION - On-Air Host