

**2008 AMS Public-Private Partnership Forum · 22-23 April 2008***University of California Washington Center · 1608 Rhode Island Ave NW · Washington DC***Attendees and Participants**[http://www.ametsoc.org/boardpages/beed/docs/2008\\_PPP\\_Forum\\_Bios.pdf](http://www.ametsoc.org/boardpages/beed/docs/2008_PPP_Forum_Bios.pdf)

The purpose of these bios is to facilitate networking among all attendees during and after the meeting. It is posted on the AMS web site at the URL shown above (with active e-mail links), and individual entries will be updated on request, at any time. Our goal is to include, for each attendee (not just speakers), a brief (one paragraph) biography (including current position, organization, and title) as well as a recent high resolution photo. To make this as easy as possible for the attendees, some of the information has been collected from the Web. Please send updates and corrections to Gary Rasmussen at AMS via e-mail to: [grasmussen@ametsoc.org](mailto:grasmussen@ametsoc.org).

**Mr. Ronald J. Birk**

In his role as the Director of Civil Systems Mission Integration for Northrop Grumman Space Technology (NGST), Ron Birk is responsible for developing and managing mission integration that includes extending the benefits of NGST systems engineering excellence to serve demanding societal needs for integrated system solutions based on space-based capabilities. Prior to his current position, Mr. Birk worked for the National Aeronautics and Space Administration as the Director of the Applied Sciences program in the Science Mission Directorate where he participated in the U.S. Group on Earth Observations and formulation of the Global Earth Observation System of Systems. Mr. Birk has over 21 years of experience in the development and management of remote sensing systems and

related space-based Earth science and technology research and development for practical applications to benefit society. He received a B.S. degree in Physics from the University of Notre Dame in 1982. [ron.birk@ngc.com](mailto:ron.birk@ngc.com) 703-741-7788 (4/08)

**Ms. Andrea J. Bleistein**

Andrea Bleistein is a physical scientist with the National Weather Service. [andrea.bleistein@noaa.gov](mailto:andrea.bleistein@noaa.gov) 301-713-3557 x183 (5/08)

**Mr. Matthew R. Borgia**

Matt Borgia is NOAA's Congressional Affairs Specialist for the National Weather Service, working in NOAA's Office of Legislative Affairs in Washington D.C. He holds a Masters of Environmental Management degree from Duke University and a B.A. in Environmental Science and Chemistry from the State University of New York at Binghamton. [matthew.borgia@noaa.gov](mailto:matthew.borgia@noaa.gov) 202-482-1939 (4/08)

## Ms. Michelle Burkett



Michelle Burkett is a member of the Professional Staff (D) of the Full Committee of the House Appropriations Committee and Senior Advisor to Chairman David Obey (D-WI). Her responsibilities include crosscutting issues, especially climate change and science. Prior to working for the Full Committee, Ms. Burkett was the Clerk of the Commerce, Justice, Science and Related Agencies subcommittee (CJS) of the Appropriations Committee. The CJS subcommittee has jurisdiction over the Departments of Commerce, Justice and the Science agencies. Ms. Burkett focused primarily on science issues of the subcommittee. While working for the Appropriations committee, minority, she worked on the Science, State, Justice, Commerce, VA/HUD, and Transportation/HUD subcommittees. Before

coming to the Appropriations Committee in 2001, Ms. Burkett worked for FEMA as an appointee in the Clinton Administration. First, from 1995 to 1998, she was the Regional Director of FEMA's Chicago Office and then from 1998 to 2001, she was the Director of Policy and Regional Operations at FEMA headquarters in Washington, DC. Ms. Burkett also worked for the House Appropriations Committee from 1990 to 1995 on the VA/HUD subcommittee, focusing primarily on EPA and FEMA issues, with Chairmen Traxler and Stokes. For a short period in 1989, she worked for the Senate Appropriations Committee, VA/HUD subcommittee. Ms. Burkett joined government as a Presidential Management Intern, working first at the Department of Justice and then the Department of Housing and Urban Development before going to work on Capitol Hill. (4/08)

## Ms. Mary M. Cairns



Mary Cairns is Acting Assistant Deputy Federal Coordinator for Department of Transportation (DOT), Federal Aviation Administration (FAA) Affairs, Aviation Weather Research and Services, at the Office of the Federal Coordinator for Meteorological Services and Supporting Research (OFCM) in Silver Spring, Maryland. She is the Executive Secretariat for the National Aviation Weather and the National Operational Processing Centers Program Councils, and supports the infrastructure of two major committees and several working groups, which include representatives from 16 federal agencies. The OFCM ensures the effective use of federal meteorological resources by leading the systematic coordination of atmospheric and environmental data requirements, communications, and

requirements for research and operational needs within the government. A long-term employee of NOAA, she has served a variety of positions, including Cooperative Education Student, Research Meteorologist, Branch Chief, Deputy Director, and Science and Operations Officer. As a NOAA employee, she served as both Fellow and Chair of the Cooperative Institute for Atmospheric Sciences and Terrestrial Applications from 1997 to 2002. She has served the meteorological community in a number of assignments within the American Meteorological Society, including Chair of the Weather Analysis and Forecasting and Annual Meeting Oversight Committees, and member of the Aviation, Range, and Aerospace Meteorology, and the Probability and Statistics Committees, and within the National Weather Association as a Councilor, the Chair and member of the Awards Committee, and member of the Aviation Committee. Ms. Cairns earned a B.S. degree in Meteorology from San Jose State University, and an M.S. degree in Atmospheric Science from Colorado State University, with an emphasis in mesoscale modeling. She is also a member of the American Geophysical Union. Ms. Cairns has authored over 50 publications, and made numerous presentations at AMS and NWA conferences, as well as other local and national workshops, meetings, and to senior management. [mary.cairns@noaa.gov](mailto:mary.cairns@noaa.gov) 301-427-2002 (5/08)

## Mr. Kenneth F. Carey



Ken Carey is a Principal Systems Engineer for the Noblis Center for Science and Technology. He serves as a technical lead for three Line Offices of the National Oceanic and Atmospheric Administration (NOAA). He works with federal and state clients to identify, document, validate and satisfy requirements for the next generation of environmental satellites and is supporting efforts to identify requirements for possible exploitation by commercial providers; develops policy and operational implementation processes for the National Weather Service; provides programmatic support for a Congressional-directed NOAA-EPA National Air Quality Forecast Capability; and is providing business planning, program management and leading technical outreach for the Joint Center for Satellite Data

Assimilation, a NOAA, NASA and Department of Defense partnership. Mr. Carey recently helped plan, organize, and coordinate a very successful National Centers for Environmental Prediction (NCEP) and DoD-sponsored symposia celebrating *50 Years of Operational Numerical Weather Prediction*, and a highly successful Mid-Atlantic Winter Storms Conference. Prior to his work at Noblis, Mr. Carey retired from the United States Air Force after serving nearly 21 years. He served as an operational analyst, developing analyses of force structure projections and presented optimum force structure allocations to senior Department of Defense leaders and serving as the Contracting Officer Technical Representative for a \$10M defense modeling and simulation contract. He also commanded a weather organization supporting front-line combat units stationed in Europe in the Gulf War, and supported warfighters in the Army on the Korean peninsula. Mr. Carey directed 52-person training and software applications sections while a part of the Air Force Weather Agency. He has earned M.S. degrees in Technology Management from George Mason University (Beta Gamma Sigma International Honor Society), and Meteorology and Minor in Oceanography from North Carolina State University (Dean's List), completed a Basic Meteorology Certificate from Texas A&M University (Chi Epsilon Pi Honor Society), and graduated with a B.S. in Physical Sciences from the University of Maryland. He is also currently an adjunct faculty member for Embry-Riddle Aeronautical University and a Fellow of the American Meteorological Society. Mr. Carey chairs the AMS Board for Private Sector Meteorologists and National Weather Association's Remote Sensing Committee. He is a member of the Washington Academy of Sciences. [kenneth.carey@noblis.org](mailto:kenneth.carey@noblis.org) (703) 610-1933 (4/08)

## Mr. Joel W. Cline



Currently, Mr. Cline is a Program Coordination Officer with the National Weather Service (NWS). Previously, he worked nearly four years at NWS Pacific Regional Headquarters in Honolulu, assigned to various meteorology programs and services including tropical, tsunami, aviation, marine, fire weather, and public forecasting. In addition, he managed, tutored, and counseled eleven students from throughout Micronesia who were enrolled in a meteorology degree program of the University of Hawaii. Earlier, Mr. Cline was a lead forecaster at the NWS Weather Forecast Office in Raleigh, North Carolina. Before that he worked at the National Hurricane Center in Miami, where over nine years he moved from an intern to a lead forecaster. During 2004, Mr. Cline was one of five NWS

forecasters for the Winter Olympic Games in Salt Lake City, and was one of four forecasters for the Paralympics Winter Games at the same location. In 1999 he organized and led the weather forecasting team supporting the World Games of the Special Olympics. Mr. Cline graduated from North Carolina State University with B.S. degrees in meteorology and in computer science. Later he earned M.S. degrees from the University of Miami in meteorology and in physical oceanography. [joel.cline@noaa.gov](mailto:joel.cline@noaa.gov) 202-482-1162 (4/08)

## **Dr. Ana L. Unruh Cohen**



Ana Cohen Ana Cohen is Senior Policy Adviser to the U.S. House of Representatives Select Committee on Energy Independence and Global Warming, which is chaired by Representative Edward J. Markey (D-MA). Previously she was Director of Environmental Policy at the Center for American Progress, a member of Rep. Markey's Professional Staff, and the 2001-2002 Congressional Science Fellow sponsored by the AMS and UCAR. Dr. Cohen was a Rhodes Scholar, earning a doctorate in geochemistry from Oxford University. Her bachelor's degree, from Trinity University, is in chemistry. [anaunruh@alumni.trinity.edu](mailto:anaunruh@alumni.trinity.edu) (5/08)

## **Mr. James N. Cooper**

Jim Cooper is Director of Business Development for Earth Satellite Corporation, which is a leading provider of geospatial information products and services to the defense, intelligence, resource management, weather and mapping markets. EarthSat is a part of MDA Federal. (4/08)

## **Mr. Frank Cushing**



With more than three decades of experience in senior professional positions with the U.S. House of Representatives, the U.S. Senate, and the private sector, Frank Cushing is widely regarded as one of the most knowledgeable and experienced people in Washington concerning Congressional appropriations and federal budgets. Recently Mr. Cushing joined The National Group and its affiliated law firm, Oldaker, Biden and Belair. Prior to this latest move, beginning in 2005, Mr. Cushing served as Clerk and Staff Director (R) for the House Appropriations Committee. In 2003 he joined Cornerstone Government Affairs as Vice President, handling a variety of appropriations and legislative policy matters with a particular emphasis on issues related to science, the environment, natural resources, energy, water, space, homeland security and emergency management. From

1995 until 2003 Mr. Cushing served as Clerk and Staff Director for the House Appropriations Committee's Subcommittee on the Departments of Veterans Affairs and Housing and Urban Development and Independent Agencies. The Subcommittee's jurisdiction, with about \$130 billion in annual appropriations, includes the National Science Foundation, the Environmental Protection Agency, National Aeronautics and Space Administration, the Departments of Veterans Affairs and Housing and Urban Development, and 17 other independent agencies, offices, and corporations. In addition to general oversight and management of the Subcommittee, Mr. Cushing was specifically responsible for the Committee's oversight of the National Science Foundation, the Environmental Protection Agency, the National Institute for Environmental Health Sciences, the Agency for Toxic Substance and Disease Registry, and numerous other of the independent agencies within the Subcommittee's jurisdiction. Prior to his House service Mr. Cushing was Vice President of Federal Affairs for The Coastal Corporation, a large Houston-based energy holding company with interests in natural gas production and transmission, oil production, refining and distribution, coal production and sales, transportation and international trading . Beginning with Coastal in May, 1991, he had served as a consultant and as Director of Federal Affairs before heading the company's Washington, D.C. office. Before moving to the private sector Mr. Cushing spent nearly 15 years as a staff member of the United States Senate. While employed in the Senate, he served as Staff Director, both majority and minority, of the Committee on Energy and Natural Resources (1984-1991), as Clerk and Staff Director of the Department of the Interior and Related Agencies Appropriations Subcommittee (1981-1984), and as a legislative assistant to former Senator James A. McClure (R-ID)(1976-1981). Mr. Cushing is a native of Boise and a 1974 graduate of the University of Idaho, and has done graduate level study at the University of Idaho and Boise State University. 202-466-3774 (4/08)

## Dr. Walter F. Dabberdt



Walt Dabberdt is Chief Science Officer, Vaisala, Inc. He received a B.S. degree from the State University of New York Maritime College and M.S. and Ph.D. degrees in meteorology from the University of Wisconsin—Madison. Dr. Dabberdt spent fifteen years at Stanford Research Institute (now SRI International) as Senior Research Meteorologist and then another fifteen years at the National Center for Atmospheric Research as Scientist, Facility Manager, and NCAR Associate Director. He was awarded a postdoctoral fellowship from the National Research Council (NRC) and later a research fellowship from the Alexander von Humboldt Foundation, conducting research for one year at the University of Munich. He also created an environmental studies program in air quality at

California's Foothill College. Dr. Dabberdt's professional interests and experience include observing systems, mesoscale and boundary-layer meteorology, air quality, and urban meteorology. He has served on and chaired numerous AMS committees and boards, including Turbulence and Diffusion, Meteorological Aspects of Air Pollution (Chair), Measurements (Chair), and the Board on the Urban Environment (past Chair). He was a contributing editor for the new AMS Glossary of Meteorology, received the 1997 AMS Editor's Award for the Journal of Atmospheric and Oceanic Technology, and was observing systems editor for the Bulletin of the AMS. He currently serves on several national and international committees, including: the National Academies' Board on Atmospheric Sciences and Climate; the Canadian study on Environmental Prediction in Canadian Cities (Board member); the NCAR Earth Observing Laboratory External Advisory Committee (Chair); the multi-university Collaborative Adaptive Sensing of the Atmosphere (CASA) program (Chair, Industrial Advisory Board); the THORPEX Observing Systems Working Group (Co-Chair), and the Emerging Technologies Panel (Co-Chair) of the NSF Facilities Assessment Study. He has authored more than 180 papers, reports and conference presentations, including 60 refereed publications and two layman's weather books. Dr. Dabberdt is a Fellow of the AMS, a Fellow of the Royal Meteorological Society, and AMS President for 2008. [walter.dabberdt@vaisala.com](mailto:walter.dabberdt@vaisala.com) 303-262-4024 (4/08)

## Dr. Pamela G. Emch



Pam Emch is a Senior Staff Engineer with Northrop Grumman Space Technology in Redondo Beach, California. For over 15 years she has worked in Northrop's Civil Space business area on weather, climate, and environmental remote sensing and information technology activities supporting NOAA, NASA, DoD, and international customers. Most recently she was System Engineering, Integration, and Test Lead on Northrop's GOES-R PDRR Program. Before working on GOES-R, Dr. Emch spent eight years on Northrop's NPOESS Program effort, the last two years of which she served as Northrop's system engineering and science interface to the NPOESS government program office in Silver Spring, Maryland. Prior to that Dr. Emch managed development of end-to-end physics/

instrument/satellite remote sensing simulations, archives for environmental multimedia data, and led environmental data-collection and application activities for hyperspectral airborne instruments. Dr. Emch holds an MS degree in aerospace engineering from USC and a PhD degree in civil and environmental engineering (water resources) from UCLA. She is the Chair of the AMS Board on Enterprise Economic Development, and a member of the Executive Committee of the AMS Commission on the Weather and Climate Enterprise. [pam.emch@ngc.com](mailto:pam.emch@ngc.com) (4/08)

## Dr. Jack D. Fellows



Dr. Fellows is UCAR's Vice President for Corporate Affairs and Director of the UCAR Office of Programs, positions he has held since 1997. He is broadly responsible for UCAR corporate activities, including development of corporate policies and programs, liaison with the Federal government, management of trustee and member representative activities, development, and communications. Raised in Bloomington, Indiana, and suburban Washington D.C., Dr. Fellows earned undergraduate and doctoral degrees in Civil Engineering (hydrology) from the University of Maryland. In his first professional position, as a research faculty member at the University of Maryland, he investigated the use of satellite data in hydrologic models. In 1983-1984, as the AGU Congressional Science Fellow, he

worked for both the office of Representative George Brown (D-CA) and for the House Science and Space Subcommittee, then chaired by Rep. Brown. During the Fellowship he worked on a numerous policy issues, including water resources, satellite remote sensing, and general oversight of federal research and development funding, and he helped write legislation (enacted) on commercialization of land remote sensing satellites. Subsequent to his fellowship year Dr. Fellows worked in the Office of Management and Budget (OMB), part of the Executive Office of President. In 1993 he was elevated to Chief of OMB's Science and Space Program Branch, overseeing the fiscal management of NASA, NSF, and the Smithsonian Institution, with combined budgets of \$18 billion and workforces of 25,000 employees. Moreover, Dr. Fellows served as OMB's coordinator for all federal R&D programs (totaling about \$75 billion). In 1997 Dr. Fellows was awarded AGU's Edward A. Flinn III medal for helping to initiate and organize the U.S. Global Change Research Program. He is married and has four children. [jfellows@ucar.edu](mailto:jfellows@ucar.edu) 303-497-8655 (4/08)

## Mr. George L. Frederick, Jr.



George Frederick is the Strategic Development Manager for Vaisala Measurement Systems, a position he has held since retiring as General Manager of Vaisala's Wind Profiler unit, where he was instrumental in the development of commercial radar wind and temperature profilers. Mr. Frederick was the first Commissioner of the AMS Commission on the Weather and Climate Enterprise, and is now serving in his first of three years as Past Commissioner. He is an AMS Fellow, was AMS President for 1999, and received the AMS Charles Franklin Brooks Award in 2003 for outstanding service as President and for leadership in promoting economic growth across all sectors of the Society. Mr. Frederick began his career in meteorology as a weather officer in the U.S. Air Force, after

graduating from the Air Force Academy with a degree in engineering science. He retired as the Commander of the Air Weather Service after 30 years on active duty. During his military career, Mr. Frederick planned for the use of unmanned aerial vehicles for weather reconnaissance, developed the roadmap for modernization of the Air Weather Service, and directed planning for weather support for B-2 bombers. While on active duty Mr. Frederick earned numerous awards including a Bronze Star and the U.S. Air Force Legion of Merit. [fredwxman@aol.com](mailto:fredwxman@aol.com) [george.frederick@vaisala.com](mailto:george.frederick@vaisala.com) 512-864-1784 (4/08)

## Mr. John E. Gaynor



John Gaynor is a Senior Research Meteorologist in NOAA's Office of Oceanic and Atmospheric Research and is Director of the U.S. Weather Research Program. He earned an A.B. in general meteorology (UCLA, 1969) and an M.S in dynamic meteorology (UCLA, 1971). Mr. Gaynor's current responsibilities include the implementation of the NOAA US Weather Research Program (USWRP). The USWRP a multi-agency cooperative program that supports research directed toward accelerating the improvements in forecasts of high impact weather such as hurricanes and other severe storms. THORPEX: A Global Atmospheric Research

Program had its genesis in the USWRP and Mr. Gaynor has been responsible for early planning and coordination, both nationally and internationally, of that program. He also contributes to general weather research prioritization and planning in NOAA and oversees a weather-related societal and economic impacts activity. He has been active on the President's Office of Science and Technology Policy Subcommittee for Disaster Reduction and serves on the Advisory Committee for the Natural Hazards Center in Boulder, Colorado. Mr. Gaynor has been with NOAA for about 34 years, 24 of which were spent in Boulder, Colorado, at the Environmental Technology Laboratory (up to 1987, the Wave Propagation Laboratory) within the Office of Oceanic and Atmospheric Research (OAR). While there, he developed analysis techniques to improve and expand the use of Doppler sodars and clear-air radars for the measurement of winds, wind turbulence, turbulent fluxes, and other parameters of importance in the planetary boundary layer. Much of his research has applications in air quality. Mr. Gaynor participated and led numerous experiments concerned with the meteorological aspects of air quality in the western and southeastern U.S. He was chair of the Meteorology Subcommittee of the Grand Canyon Visibility Commission consisting of western state governors who desired to preserve and improve visibility in western national parks. Since moving to OAR headquarters, about eight years ago, Mr. Gaynor has managed science programs such as the USWRP and has contributed to or led several NOAA-wide strategic planning activities such as a Natural Disaster Reduction Initiative dealing with hazardous weather and a coastal storms initiative, concerning the improvement in forecasting coastal storms and understanding their impacts on the coastal environment. Within the CENR Subcommittee for Disaster Reduction, he had led the creation of a interagency Wind Hazard Reduction Program Implementation Plan and the creation of a series of implementation strategies for severe weather, including hurricanes. Mr. Gaynor is an active member of the American Meteorological Society, having served on several committees and assisting in organizing meeting sessions and forums. He is also a member of the UJNR Panel on Wind and Seismic Effects and co-chair of the Task Committee on Wind Engineering. He received the Department of Commerce Bronze Metal in 1994 for technical support to the Thai government during an air pollution emergency.

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### **Ms. Mary M. Glackin**



Mary Glackin is the Deputy Under Secretary of Commerce for Oceans and Atmosphere. In this role she is responsible for the day-to-day management of the National Oceanic and Atmospheric Administration's (NOAA's) domestic and international operations. Ms. Glackin has more than 15 years of senior executive level experience working in numerous NOAA line offices. She served as the acting Assistant Administrator for Weather Services and Director, National Weather Service from mid-June to mid-September 2007. Before that, she was the Assistant Administrator for NOAA's Office of Program Planning and Integration. From 1999 until 2002, she served as the Deputy Assistant Administrator for NOAA's National Environmental Satellite, Data, and Information Service. From 1993 to 1999, she worked as the Program Manager for the Advanced Weather Interactive Processing System with the NOAA's National Weather Service. Prior to this, Ms. Glackin was both a meteorologist and computer specialist in various positions within NOAA where she was responsible for introducing improvements into NWS operations by capitalizing on new technology systems and scientific models. She is the recipient of the Presidential Rank Award (2001), Charles Brooks Award for Outstanding Services to the American Meteorological Society, the NOAA Bronze Medal (2001), the Federal 100 Information Technology Manager Award (1999), the NOAA Administrator's Award (1993), and the Department of Commerce Silver Medal Award (1991). She is a Fellow of the American Meteorological Society and a member of the National Weather Association and the American Geophysical Union. Ms. Glackin has a B.S. degree from the University of Maryland.

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## Mr. Ronald Guy

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## Dr. Paul A. T. Higgins



Paul Higgins is a Senior Policy Fellow at the American Meteorological Society. He examines and develops societal options for addressing the risks posed by human caused climate change. As part of these efforts, he recently initiated a web commentary project focused on climate policy. He also oversees the AMS-UCAR Congressional Science Fellowship Program. From 2005 to 2006 Dr. Higgins was a Congressional Fellow of the American Association for the Advancement of Science. During his fellowship year, he analyzed climate policy in the office of Senator Mike DeWine (R-OH). While there he developed provisions to encourage international cooperation and to reduce greenhouse gas emissions in ways that broadly benefit a wide range of stakeholders. His scientific research examines the causes and consequences of global climate change. He received Ph.D. and M.S. degrees from Stanford University and was a National Science Foundation postdoctoral fellow at the University of California. He is a former fellow of the Department of Energy's Global Change Education Program. [phiggins@ametsoc.org](mailto:phiggins@ametsoc.org) 202-737-9032, ext 433 (4/08)

## Dr. Wayne Higgins



As Director of NOAA's Climate Prediction Center (CPC), Wayne Higgins is responsible for the day-to-day operation of the CPC, which monitors, assesses, and forecasts the impacts of short-term climate variability, for use in mitigating losses and maximizing economic gains. Dr. Higgins and CPC are emphasizing new partnerships with a customer focus to develop and deliver user-demanded climate forecast products and services. From 2004 to 2007, as Director of the NOAA Climate Test Bed, he was responsible for accelerating transition of science advances from the climate research community into improved NOAA climate forecast products and services. From 2000-2007, Dr. Higgins also served as the Principal Scientist for CPC. In this capacity, he developed and delivered new and improved climate monitoring products and forecast tools for use in CPC forecast operations. During this period, Dr. Higgins conceived and led the International North American Monsoon Experiment (NAME) field program and served as co-chair of the World Climate Research Programme Variability of the American Monsoons (VAMOS) Panel. He received a B.S. degree in physics from the University of Illinois, and M.S. and Ph.D. degrees in meteorology from the Pennsylvania State University. He has co-authored more than 60 peer-reviewed journal articles (including 30 as lead author) on numerous topics in climate variability, climate prediction and weather-climate links. Dr. Higgins is the recipient of numerous NOAA Service Awards, including the NOAA Administrators Award, a NOAA Silver Medal, and two NOAA Bronze Medals. [wayne.higgins@noaa.gov](mailto:wayne.higgins@noaa.gov)  
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## Dr. William H. Hooke



Bill Hooke has been a senior policy fellow at the American Meteorological Society since 2000, and director of the Policy Program since 2001. His current policy research interests include: natural disaster reduction; historical precedents as they illuminate present-day policy; and the nature and implications of changing national requirements for weather and climate science and services. He also directs AMS policy education programs, including the AMS Summer Policy Colloquium, and the AMS-UCAR Congressional Science Fellowship Program. From 1967 to 2000, Dr. Hooke worked for the National Oceanic and Atmospheric

Administration (NOAA) and antecedent agencies. After six years of research in fundamental geophysical fluid dynamics and its application to the ionosphere, the boundary layer, air quality, aviation, and wind engineering, he moved into a series of management positions of increasing scope and responsibility. From 1973 to 1980, he was Chief of the Wave Propagation Laboratory Atmospheric Studies Branch. From 1980 to 1983 he rotated through a series of management development assignments. From 1984 to 1987 he directed NOAA's Environmental Sciences Group (now the Forecast Systems Lab), responsible for much of the systems R&D for the NWS Modernization, as well as a range of other weather and climate research activities. From 1987 to 1993 Dr. Hooke served as the Deputy Chief Scientist and Acting Chief Scientist of NOAA, setting policy and direction for \$300M/year of NOAA R&D in oceanography, atmospheric science, hydrology, climate, marine biology, and associated technologies. Between 1993 and 2000, he held two national responsibilities: Director of the U.S. Weather Research Program Office, and Chair of the interagency Subcommittee for Natural Disaster Reduction of the National Science and Technology Council Committee on Environment and Natural Resources. Dr. Hooke was an ad joint faculty member at the University of Colorado from 1969 to 1987, and served as a fellow of two NOAA Joint Institutes (CIRES, 1971-1977; CIRA 1987-2000). The author of over fifty refereed publications and co-author of one book, Dr. Hooke holds a B.S. (Physics Honors) from Swarthmore College (1964), and S.M. (1966) and Ph.D. (1967) degrees from the University of Chicago. He is a Fellow of the AMS and a member of the American Philosophical Society. Currently, he chairs the NAS/NRC Disasters Roundtable, and serves on the ICSU Planning Group on Natural and Human-Induced Environmental Hazards and Disasters. [hooke@ametsoc.org](mailto:hooke@ametsoc.org) 202-737-9032 x420 (4/08)

### **Mr. Michael L. Jamilkowski**



Mike Jamilkowski is the Raytheon Company East Coast Site Manager for the National Polar-orbiting Environmental Satellite System (NPOESS) Integrated Program Office (IPO) in Silver Spring, Maryland. He is responsible for the Raytheon customer interface with the NPOESS IPO and with the office of the Program Executive Officer (PEO) for Environmental Monitoring, providing liaison between the NPOESS IPO and the Raytheon NPOESS Ground Segments Program Manager in Aurora CO, and as the Raytheon lead on the NPOESS External Affairs Team. Prior to joining Raytheon in 2002, Mr. Jamilkowski completed a 33-year career in the United States Air Force (USAF) as weather officer and space operations officer, retiring in the rank of Colonel. His distinguished military career involved over 30 years of proven leadership and senior management success in operational, executive, acquisition, staff, and technical positions in the USAF and Office of the Secretary of Defense (OSD) specializing in space systems, weather, and environmental remote sensing. The first five years of his military career were spent as an enlisted weather observer. His final position in the USAF was as the Military Assistant for Environmental Monitoring, Office of Assistant Secretary of Defense, at the Pentagon, Washington, DC. He holds both a B.S. and M.S. degree in Meteorology from St. Louis University and the University of Oklahoma, respectively. Mr. Jamilkowski has been an AMS member since 1975. [mlijamikowski@raytheon.com](mailto:mlijamikowski@raytheon.com) 301-562-5276 (5/08)

### **Ms. Veronica Johnson**



Veronica Johnson is a meteorologist with WRC-TV Channel 4, in Washington D.C. Her forecasts are aired weekdays at 4 PM as well as on the Weather Plus cable channel and on Weatherplus.com. She also hosts *America This Week*, a weekly 30-minute news show. Previously, Ms. Johnson worked in Baltimore at WMAR and WBFF, in New York at WABC, and at The Weather Channel. She has contributed to local radio shows, programs on The Discovery Network, and Bob Ryan's Guide to the Weatherwise. Ms. Johnson holds a degree in Atmospheric Science from the University of North Carolina at Asheville. She is an AMS

Certified Broadcast Meteorologist and Seal holder and served on the AMS Broadcast Board from 2005 to 2007. Ms. Johnson is currently Chair-Elect of the AMS Board on Enterprise Communication. She also serves on the advisory board of Eyes on the Environment and is a member of the AMS Station Scientist Group. Her newest role outside of the office is serving on D.C.'s Joint Center Advisory Committee on Climate Change. In the community, Ms. Johnson volunteers for several youth development programs, including Environmentors and The Sister Program. She was honored by the New York City Chapter of the NAACP as Black Journalist of the Year and received the Women's Pioneer Award from the DC Female Firefighters in 2006. Ms. Johnson is an avid fitness buff and enjoys rock-climbing, skydiving, and running. One of her new hobbies is outdoor photography. She lives in Howard County, Md., with her husband and their three children.  
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### **Mr. David I. Katz**



David Katz is Vice President of Government Sales and Corporate Meteorologist with Climatronics Corporation. Mr. Katz' background as a meteorologist with experience in conducting and managing monitoring programs for regulatory compliance offers him a unique perspective for the customers' requirements. Prior to joining Climatronics, Mr. Katz had worked as an air quality meteorologist for Burns & McDonnell Engineering Co., Kansas City, MO. He holds a B.S. degree in Earth/Planetary Sciences, an M.S. degree in Atmospheric Science, and an M.B.A. degree. [dkatz@climatronics.com](mailto:dkatz@climatronics.com) 215-579-4292 (4/08)

### **Dr. Jack Kaye**



Jack Kaye has served as Associate Director for Research for the Earth Science Division in the Science Mission Directorate at NASA Headquarters in Washington, D.C. since early 2006. His previous positions in his 24-year career with NASA include serving as Director of the Research and Analysis Program in the Earth-Sun System Division (2004-2006), Director of the Research Division in the Office of Earth Science (1999-2004), as Manager of the Atmospheric Chemistry Modeling and Analysis Program in that organization (1991-1999), and as a research scientist at NASA's Goddard Space Flight Center (1983-1991). He began his career as a Resident Research Associate at the U.S. Naval Research Laboratory after receiving his academic training in chemistry (B.S. Adelphi University, 1976; Ph.D., California Institute of Technology, 1982). As Associate Director for Research, Dr. Kaye is responsible for the research and data analysis programs for Earth System Science, covering the broad spectrum of scientific disciplines that constitute it. He represents NASA in many interagency and international activities and has been an active participant in the U.S. Climate Change Science Program (CCSP), for which he now serves as a vice-chair, as well as NASA's representative to the Senior Users' Advisory Group for the National Polar Orbiting Operational Environmental Satellite System and to the Joint Subcommittee on Ocean Science and Technology. He recently completed a term as the head the Executive Committee (ExCOM) that oversaw the Oceans.US office that works to coordinate all oceans observation related activities across the federal government. He is a member of the Steering Committee for the Global Climate Observing System, and served as co-chair of the Advisory and Oversight Panel of the Coordinated Enhanced Observing Period (CEOP) activity carried out under the auspices of the World Climate Research Programme prior to its being reorganized as the Coordinated Energy and Water Cycle Observing Project of the Global Energy and Water Experiment. He has received the NASA Exceptional Achievement Medal (1995), the NASA Exceptional Service Medal (1996), and the TERRA Award of the Office of Mission to Planet Earth (1995), and has been recognized with several Group Achievement and outstanding performance awards. In 2004 he was recognized as a Meritorious Executive in the Senior Executive Service. He was elected to serve as co-secretary of the Atmospheric Sciences Section of the American

Geophysical Union (AGU) for 1998-2000. The AGU has recognized him on two occasions with a Citation for Excellence in Refereeing. He has published more than 50 refereed papers, contributed to numerous reports, books, and encyclopedias, and edited the book Isotope Effects in Gas-Phase Chemistry for the American Chemical Society. [Jack.Kaye@hq.nasa.gov](mailto:Jack.Kaye@hq.nasa.gov) 202-358-0757 (4/08)

### **Dr. Chester J. Koblinsky**



Chet Koblinsky is Director of the Climate Program Office (CPO) in NOAA's Office of Oceanic and Atmospheric Research. As CPO Director and leader of NOAA's climate mission, Dr. Koblinsky oversees the development of NOAA's climate activities and manages the execution of its competitive research programs. NOAA's climate mission is to: understand climate variability and change to enhance society's ability to plan and respond. Dr. Koblinsky joined NOAA in 2003 after a 25-year career as a research scientist and manager at NASA and the Scripps Institution of Oceanography. He has published over 90 scientific papers and lead the development of research satellite missions. He is a recipient of NASA's Medal for Exceptional Scientific Achievement. 301-734-1200 [chester.j.koblinsky@noaa.gov](mailto:chester.j.koblinsky@noaa.gov) (4/08)

### **Mr. John A. Lasley**



John Lasley is Business Development Manager and Staff Meteorologist with SAIC in McLean, Virginia. He has over 45 years experience in applied meteorology, running the gamut from aviation weather forecaster, to staff meteorologist on U.S. Air Force aviation acquisition programs (F-15, F-16, B-1, A-10), to manager of large operational weather units (800 personnel at 40 locations). After 26 years on active duty with the USAF, he retired in the grade of Colonel. Mr. Lasley's most recent program management position involved the weather systems integration for an upgrade of the Greek Meteorological Service in support of the 2004 Olympic Games in Athens. From 1986 to 1991 he managed a contractor team that provided systems engineering and technical

assistance support to the FAA Weather Sensor Acquisition Division. During the period 1991-2001 he served as the Staff Meteorologist and Director of Business Development for the contractor producing the ASOS for the NWS, FAA and DOD. For the past five years, Mr. Lasley has been an active participant in the federal agencies road weather initiatives. His activities included attending, reviewing, and commenting on presentations and reports of "The Weather Information for Surface Transportation - National Needs Assessment Report" sponsored by the Office of the Federal Coordinator for Meteorological Services and Supporting Research (OFCM), the American Meteorological Society (AMS) symposia on Road Weather, and the FHWA's stakeholders meetings on development and demonstration of the Maintenance Decision Support System (MDSS). Mr. Lasley holds a B.S. degree in Industrial Relations from the University of North Carolina-Chapel Hill, an M.S. degree in Meteorology from Florida State University, and a Resident Degree from the Air War College at Maxwell Air Force Base, Alabama. [john.a.lasley@saic.com](mailto:john.a.lasley@saic.com) 703-899-7944 (4/08)

### **Mr. Chan Lieu**



Chan Lieu is a member of the Professional Staff (D) of the Space, Aeronautics, and Related Sciences Subcommittee of the Senate Committee on Commerce, Science and Transportation. (4/08)

## Mr. Jonathan T. Malay



Jon Malay is Director of NASA and NOAA Programs in the Washington Operations office of Lockheed Martin Corporation, and is their Corporate Representative to the AMS. He serves as the day-to-day interface for the corporation with NASA and NOAA Headquarters and the Goddard Space Flight Center. An Associate Fellow of the American Institute for Aeronautics and Astronautics (AIAA), he was recently elected to serve on the AIAA Board of Directors as Region I (Northeast) Director, and is a past Chair of the National Capital Section. He is also is a Fellow of, and a past President of, the American Astronautical Society (AAS). A retired Navy oceanographer and meteorologist and graduate of the U.S. Naval Academy and Naval Postgraduate School, Jon

has worked in the aerospace industry since 1993, and at Lockheed Martin since 2003. He was a finalist for NASA Astronaut Mission Specialist selection in 1984, and has channeled his enthusiasm for space as the author of a novel, [Seraphim Sky](#), and co-author of the [National Geographic Encyclopedia of Space](#). [jon.malay@LMCO.com](mailto:jon.malay@LMCO.com) (703) 413-5816. (4/08)

## Mr. William P. Mahoney III



Bill Mahoney is a Program Director at the National Center for Atmospheric Research, Research Applications Laboratory (NCAR/RAL), located in Boulder, Colorado. He has been involved in research and development activities at NCAR for 21 years. Mr. Mahoney received his M.S. degree from the University of Wyoming in 1983, specializing in windshear and cloud microphysics. He received his B.S. degree in Aeronautics from Miami University of Ohio in 1981. Mr. Mahoney's research and management activities have included aviation weather, intelligent weather forecast systems, societal impacts, energy, and surface transportation weather. Mr. Mahoney began working with NCAR as a University of Wyoming graduate student in 1981 studying thunderstorms and windshear

associated with microbursts and gust fronts. He participated in the development of the Federal Aviation Administration (FAA) Low Level Windshear Alert System (LLWAS) and eventually led NCAR's team in the development and demonstration of the FAA Terminal Doppler Weather Radar (TDWR). Mr. Mahoney has also led several FAA and international government sponsored aviation weather programs in Hong Kong, Taiwan, Korea, and Singapore with a particular emphasis on terminal and enroute weather decision support systems. Mr. Mahoney is currently working with several organizations including the National Oceanic and Atmospheric Administration (NOAA), American Meteorological Society (AMS), Intelligent Transportation Society of America (ITSA), Transportation Research Board (TRB), American Association of State Highway and Transportation Officials (AASHTO), and the Federal Highway Administration (FHWA) on surface transportation weather initiatives. In addition to his program management duties, Mr. Mahoney is involved in program development and commercialization activities at NCAR. Mr. Mahoney has written or co-authored more than 40 papers and frequently presents NCAR's work at national and international conferences and seminars. He is a member of the American Meteorological Society (AMS), Transportation Research Board (TRB), and Intelligent Transportation Society of America (ITSA), and is active on several atmospheric science and surface transportation committees. Mr. Mahoney is the Chair of the AMS Board on Enterprise Economic Development, and a member of the Executive Committee of the AMS Commission on the Weather and Climate Enterprise. [mahoney@ucar.edu](mailto:mahoney@ucar.edu) 303-497-8426 (2/07)

## Dr. Ronald D. McPherson



Ron McPherson is Executive Director Emeritus of the American Meteorological Society (AMS), serving from 1999 until 2004. Before that he served for nearly 40 years with the National Weather Service (NWS), the last eight as Director of the National Centers for Environmental Prediction (NCEP). His responsibilities there included overall management of the nine centers comprising NCEP, including scientific and technical leadership, budget issues, personnel and policy. Earlier, Dr. McPherson served as NWS Deputy Director. The National Weather Service, which is responsible for providing weather and flood warnings and forecasts for the United States and its coastal and offshore waters, employs approximately 5,000 people in more than 300 locations throughout the United States and its territories. Dr. McPherson has published extensively in scientific journals

including the Journal of Applied Meteorology, Monthly Weather Review, and the Bulletin of American Meteorological Society. He earned the Department of Commerce Silver Medal and the Presidential Rank Award as an outstanding executive. He was elected Fellow of the AMS in 1981, and was elected AMS President for 1997. Dr. McPherson holds a Bachelors degree in Meteorology, a Masters degree in Environmental Engineering and a Ph.D. in Atmospheric Sciences from the University of Texas at Austin. He is married to the former Edith Noel Lu0ce of Seguin, TX, and resides in Mitchellville, MD. [rmcpherson@ametsoc.org](mailto:rmcpherson@ametsoc.org) 202-737-9006 x404 (4/08)

## Mr. Stephen G. Moran



Steve Moran is Director of Business Development for Civil Space Programs at Raytheon Company in Arlington, Virginia. He is responsible for corporate civil space strategy; customer interface for current programs and key pursuits; identification of future opportunities; and coordination of civil space activities within Raytheon. Prior to joining Raytheon in 1999, Mr. Moran served five years as Senior Policy Advisor for Space and Aviation in the White House Office of Science and Technology Policy, where he was responsible for Global Positioning System (GPS), aviation, space, and frequency spectrum policy issues. From 1990 to 1994, Mr. Moran served as a Program Manager in NASA's Office of Aero-Space Technology. Prior to joining the federal government, Mr. Moran spent over

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## Dr. Barry Lee Myers



Barry Myers is Chief Executive Officer of AccuWeather, Inc. Prior to becoming CEO of AccuWeather, Inc. in September 2007, Dr. Myers was the company's Executive Vice President and General Counsel. Since 1990, Dr. Myers has been a member of the Board of Directors of the Commercial Weather Services Association, the weather industry's trade association, serving as the industry's chief federal-relations officer. Myers is recognized as an expert in weather information exchange and public-private relationships in the weather field. He has also served as advisor to the Director of the U.S. National Weather Service at the U.N.'s World Meteorological Organization Meetings in Geneva, Switzerland in 2001. Dr. Myers was a member of the Graduate School faculty in Penn State's

nationally-recognized Smeal College of Business for 18 years. He holds a B.S. degree in business administration and economics from the Pennsylvania State University and a J.D. degree from Boston University School of Law. [myersb@accuweather.com](mailto:myersb@accuweather.com) (4/08)

## Mr. Franklin W. Nutter



Frank Nutter has been president of the Reinsurance Association of America (RAA) since 1991. He held the same position with the RAA from 1981 to 1984. In the interim, he was president of the Alliance of American Insurers and the Property Loss Research Bureau, which have now merged to be part of the PCI (Property Casualty Insurance Association of America). Mr. Nutter currently serves on the Board of the International Hurricane Research Center; the Advisory Board of the Center for Health and the Global Environment, an adjunct to the Harvard University Medical School; the Council of the American Meteorological Society; and the Board of the University Center for Atmospheric Research, a consortium of universities managing the National Center for Atmospheric Research, which is

sponsored by the National Science Foundation. He currently serves on the Advisory Board of the OECD's International Network for the Financial Management of Large Scale Disasters and has served on the Board of the Bermuda Institute for Ocean Sciences. Mr. Nutter has served as a member of the Board of Directors of the Advocates for Highway and Auto Safety, the Insurance Institute for Highway Safety and the Worker's Compensation Research Institute, and the Board of Overseers of the Institute for Civil Justice, a subsidiary of the Rand Corporation. Mr. Nutter has a Juris Doctorate from the Georgetown University Law Center and a bachelor's degree in economics from the University of Cincinnati. Mr. Nutter was an officer in the U.S. Navy and is a Vietnam veteran. He is listed in Who's Who in America. [nutter@reinsurance.org](mailto:nutter@reinsurance.org) 202-638-3690 (2/08)

## Mr. Richard Ohlemacher



Rick Ohlemacher is Manager of Environmental Systems for Northrop Grumman Corporation in Los Angeles and is a member the AMS Board for Enterprise Economic Development. At Northrop Grumman he provides private sector analysis, outreach, and business development to advance broad efforts to integrate technology and civilian applications for monitoring and understanding the Earth and its natural systems. After graduating from the Sonoma State University School of Social Sciences in 1992 with a B.A. degree in Environmental Studies & Planning, Mr. Ohlemacher joined the Peace Corps and went to Senegal, West Africa, where he initiated an environmental education program that later served as a model country-wide. His efforts brought together community experts in the region, and harnessed the knowledge of village leaders, farmers,

teachers, and officials in education, hygiene, agriculture, forests and water management to solve problems relating to the degradation and use of their scarce, natural resources. Back from Senegal, Mr. Ohlemacher received a master's degree in International Affairs from Columbia University, and was selected as a Presidential Management Fellow for the federal government. During this time he worked on international and interagency science and technology policy, as well as specific applications for implementing international, Earth-monitoring and environmental agreements at the Department of Commerce in Washington D.C. with the National Oceanic & Atmospheric Administration (NOAA). His last two years at NOAA were spent with a small cadre of staff reporting directly to the NOAA Administrator and Under Secretary of Commerce for Oceans and Atmosphere, Vice Admiral Conrad C. Lautenbacher, USN (Ret.). At NOAA, Mr. Ohlemacher's principal focus centered on implementation and communication of the first-ever Earth Observation Summit, a high-level political initiative spearheaded by Under Secretary Lautenbacher and the Secretary of Commerce that garnered G8 endorsement. Hosted by Secretary of State Colin Powell, Secretary of Commerce Donald Evans, and Secretary of Energy Spencer Abraham, over 30 nations and 20 international organizations participated at the highest levels. Mr. Ohlemacher and his team were recognized for their achievement with the Gold Medal for Leadership, the highest form of honorary recognition the Department of Commerce bestows for distinguished contributions to the nation.

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## Mr. Edward A. O'Lenic

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## Dr. Anna C. Palmisano



Anna Palmisano is Office of Science Associate Director for the Office of Biological and Environmental Research within the U.S. Department of Energy (DOE). With an annual budget of more than \$500 million, the Office of Biological and Environmental Research is the nation's leading program devoted to the study of biology and systems biology with applications to bio-energy production and use and to environmental remediation. It is also one of the nation's leading contributors to the study of global climate change. Dr. Palmisano joined the Office of Science on March 3, 2008, from the U.S. Department of Agriculture's Cooperative State Research, Education, and Extension Service where she served as the Deputy

Administrator for Competitive Programs. From 1998 to 2004, she was a Program Manager in the Office of Biological and Environmental Research, where she developed and managed a wide range of basic research programs including bioremediation, carbon cycling and sequestration, and genomics. Prior to joining DOE, she was a Program Manager and acting Division Director for Biomolecular and Biosystems Sciences and Technology in the Office of Naval Research. Dr. Palmisano received a B.S. degree in Microbiology with high honors from the University of Maryland and the M.S. and Ph.D. degrees in Biology from the University of Southern California. She was an Allan Hancock Fellow at the University of Southern California and a National Research Council Fellow in planetary biology at NASA-Ames Research Center. She also worked as a staff microbiologist in the Environmental Safety Division of the Procter & Gamble Co. Her research interests have included sea ice microbial communities, stream ecology, microbial mats, bioremediation of organic pollutants, and landfill microbiology. Dr. Palmisano has led five research expeditions to Antarctica and published numerous papers in the field of microbial ecology. [anna.palmisano@science.doe.gov](mailto:anna.palmisano@science.doe.gov) 301-903-3251 (4/08)

## Ms. Marisa A. Patrizi



Marisa Patrizi is a Senior Manager of Business Development for Raytheon Space Systems, Intelligence and Information Systems in Falls Church, VA. She is responsible for managing growth initiatives and a business strategy to expand the Space Systems core business, with focus in the Federal Civil and Homeland Security communities. She has been involved in the identification and qualification of business opportunities, formulation of win strategies, execution of teaming strategies and creation of customer relationships. Ms. Patrizi has over 25 years of progressively responsible experience in a wide array of high-tech programs and initiatives. She worked with Federal Civil, DoD, Intelligence, and International agencies, providing business development, program management, six sigma,

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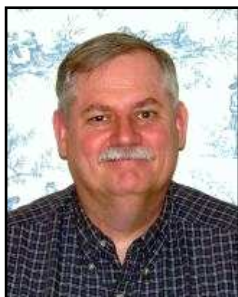
## Ms. Maria A. Pirone



Maria Pirone, Vice President of the Commercial Division at Atmospheric and Environmental Research, Inc., has over thirty years of experience in information technology, and more than twenty years in weather information services. During her career she has held management positions in both the marketing and technical development of weather products and services. She is currently managing the technology transfer of atmospheric and environmental research to commercial products and services for use in the energy, financial, broadcast and government markets. She received a BS in Chemistry (1976) and an Executive

MBA in Finance (1987) both from Suffolk University in Boston. She has served on the National Science Foundation Geosciences Advisory Committee, the Science Steering Committee for the U.S. Weather Research Program, the Executive Committee for The Weather Coalition (an advocacy group for the weather industry), and the American Meteorological Society's (AMS) Societal Impacts Committee. [mpirone@aer.com](mailto:mpirone@aer.com) 781-761-2205 (4/08)

### **Dr. R. Gary Rasmussen**



As AMS Director of Enterprise Activity Support, Gary Rasmussen helps the AMS Weather and Climate Enterprise Commission promote synergy among the various sectors of our community. Before joining AMS in 1999, at their Boston headquarters, he held several atmospheric science research, development, and management positions with Applied Insurance Research, Inc., MIT Lincoln Laboratory, The Analytic Sciences Corporation (TASC), and the National Center for Atmospheric Research. He holds Ph.D. and M.S. degrees in physics and atmospheric science from Drexel University, and a B.A. degree in mathematics and physics (double major) from The College of New Jersey. Before college he served as a radio operator and radio teletype operator with the U.S. Army's 82<sup>nd</sup>

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### **Mr. Scott C. Rayder**



Mr. Scott C. Rayder is Chief of Staff to NOAA Administrator Vice Admiral Conrad C. Lautenbacher, Jr., U.S. Navy (Ret.). As Chief of Staff, Mr. Rayder is charged with formulating, guiding and integrating policy, budget, and program initiatives with senior NOAA management to ensure consistency across NOAA's diversity of program responsibilities, both within NOAA and with NOAA's partnering organizations. In 2001, Mr. Rayder was the Director of Government Relations at the Consortium for Oceanographic Research and Education (CORE), where he developed and implemented CORE's legislative strategy in conjunction with CORE's executive staff as well as the CORE Board of Governors. In 2000 Mr. Rayder was a Senior Technology Policy Analyst with the Heritage Foundation.

His areas of interest related to technology policy included privacy, tort reform, research and development, research and development tax credits, and cyber-security issues. He also worked on general science, regulatory, and budget-related matters. From 1997 to 2000, Mr. Rayder served as a Professional Staff member with the House Committee on Science. His duties were primarily related to the budget and appropriations cycles. He also conducted oversight on a number of programs/issues that included the Advanced Technology Program, Mir Space Station, U.S. ocean science programs, and U.S. satellite technologies. Prior to 1997, Mr. Rayder was employed by NOAA in several capacities. In 1992, he was awarded a Presidential Management Intern position with NOAA's Office of Oceanic and Atmospheric Research. Mr. Rayder left the Office of Oceanic and Atmospheric Research in 1995 to work in NOAA's Office of Constituent Affairs where he worked with NOAA stakeholders to improve the delivery of NOAA services to its customers. Mr. Rayder obtained an undergraduate degree in 1990 with a dual major in Government and Geology from Hamilton College in New York. He obtained a Masters in Public Administration (M.P.A.) from the Maxwell School of Citizenship and Public Affairs of Syracuse University in the spring of 1992 with a concentration in Science and Technology Policy. He has been extremely active in the Washington Maxwell Alumni Association where he serves on the governing board, and served two terms as President from 1996 to 1998. He is married to Catherine Rayder, formerly Catherine DuBois of Reston, Virginia, and they reside in Arlington, Virginia with their twin daughters, Hannah and Jenna. [scott.rayder@noaa.gov](mailto:scott.rayder@noaa.gov) 202-482-3436 (4/08)

## Tara A. Rothschild

Since September 2007 Tara Rothschild has been a member of the Professional Staff (R) of the House Science and Technology Committee. Previously, she was a Legislative Assistant to Senator Chuck Hagel (R-NE) for Energy, Environment, and Climate. Ms. Rothschild earned the B.A. and M.A. degrees from Clark University in Environment, Science, and Policy as well as a B.A. from Clark University in International Relations, and an M.S. degree in Environmental Engineering and Science from the Johns Hopkins University.

## Ms. Cindy Schmidt



As director of the Office of Government Affairs at the University Corporation for Atmospheric Research (UCAR) in Boulder, Colorado, Ms. Schmidt focuses on educating members of Congress about the importance of atmospheric science. She also tries to maximize funding for UCAR, NCAR, and the UCAR Community. With colleagues Jeff Fiedler, Laura Curtis, and Gloria Kelly, Ms. Schmidt holds briefings on the Hill about priorities in the atmospheric sciences, prepares testimony for congressional hearings, works with allies in the scientific community, and employs Lewis-Burke Associates, a veteran Washington D.C. lobbying firm. Ms. Schmidt joined UCAR in 1990 from the CU Foundation, where she worked as a director of development. Active in the local community, she serves on the board of the Boulder Chamber of Commerce. At UCAR, she started as the director of the former Office of Development, and then took her current position in 1995. [cschmidt@ucar.edu](mailto:cschmidt@ucar.edu) 303-497-2107 (3/07)

## Dr. Keith L. Seitter, CCM



Keith Seitter was named Executive Director of the American Meteorological Society in September 2004. He has served as Deputy Executive Director of the Society since 1999. Dr. Seitter joined the AMS in the early 1990s as Assistant to the Executive Director in the role of leading the Society's publications department. His primary job was to improve the efficiency of the Society's journal production process and prepare for the eventual transition of the journals to electronic delivery, at a time when the Internet was just beginning to flourish. Today all nine prestigious AMS journals are available online. As Deputy Director, Dr. Seitter was involved in all aspects of the Society's programs including moving the many AMS Specialty and Annual Meeting toward electronic submission and dissemination of author's materials, implementing the recommendations from the 10-Year Vision Study, and continuing working with the publications department. Before joining the AMS, Dr. Seitter was on the faculty at the University of Lowell, now University of Massachusetts at Lowell. He earned his undergraduate degree in meteorology at the Pennsylvania State University and a doctorate in geophysical sciences at the University of Chicago. A native of Marion, Ohio, Seitter had a postdoctoral appointment at the Air Force Geophysical Laboratory at Hanscom Air Force Base before moving to the University of Lowell. Dr. Seitter is a Fellow of the AMS and a Fellow of the Royal Meteorological Society. He is also a member of many other societies and organizations in the sciences and scholarly publishing and serves on a number of advisory boards. He has given numerous invited lectures and published a number of papers in AMS and other scientific and publishing journals. The AMS, founded in 1919, is the nation's leading professional society for those involved in the atmospheric and related sciences. With more than 12,000 members, the Society promotes the development and dissemination of information about atmospheric, oceanic, and hydrologic sciences through scientific journals, conferences, and public education programs across the country. [kseitter@ametsoc.org](mailto:kseitter@ametsoc.org) 617-227-2426, ext. 220 (2/07)

## Dr. Philip R. Sharp



Phil Sharp is President of the nonpartisan D.C. think tank Resources for the Future (RFF), which is devoted exclusively to policy analysis on energy, environmental, and natural resource issues. At RFF Dr. Sharp leads a staff of more than 80 people and oversees a \$70 million endowment. Dr. Sharp was born in Baltimore, Maryland and grew up in Elwood, Indiana. After a year at DePauw University, he transferred to Georgetown University's School of Foreign Service, where he graduated cum laude in 1964. He spent the summer of 1966 at Oxford University and received the Ph.D. degree in government from Georgetown in 1974. During this period he served as an aide to U.S. Senator Vance Hartke and then returned to Indiana to teach at Ball State University. Indiana voters elected

Dr. Sharp, a Democrat, to the U.S. House of Representatives in 1974. During his congressional tenure, Dr. Sharp took a key leadership role in the development of major energy legislation. He was a driving force behind the Energy Policy Act of 1992, which led to the restructuring of the wholesale electricity market, promoted renewable energy, established more rigorous energy-efficiency standards, and encouraged use of alternative fuels. He also helped to develop a critical part of the 1990 Clean Air Act Amendments, providing for a market-based emissions allowance trading system. Dr. Sharp served on the House Energy and Commerce Committee, where he chaired the Fossil and Synthetic Fuels Subcommittee from 1981 to 1987 and the Energy and Power Subcommittee from 1987 to 1995. He also was a member of the House Interior and Insular Affairs Committee, where he was a member of the Energy and Environment Subcommittee and the Water and Power Resources Subcommittee. Following his decision not to seek an eleventh consecutive term in the House, Dr. Sharp joined Harvard's John F. Kennedy School of Government, where he was a Lecturer in Public Policy from 1995 to 2001. He served as Director of Harvard's Institute of Politics from 1995 to 1998 and again from 2004 until 2005. He also was a Senior Research Fellow in Harvard's Environmental and Natural Resources Program from 2001 to 2003. Dr. Sharp was Congressional chair of the National Commission on Energy Policy, a panel established by the Hewlett Foundation and other major foundations to make energy policy recommendations to the federal government. The commission issued its findings in a major report, *Ending the Energy Stalemate: A Bipartisan Strategy to Meet America's Energy Challenges*, in December 2004. The report has been widely recognized as a comprehensive roadmap for future energy policy, receiving considerable attention from Congress during the debate over the 2005 Energy Policy Act. Dr. Sharp was a member of the National Research Council's Committee on Effectiveness and Impact of Corporate Average Fuel Economy (CAFE) Standards, which issued its report in 2001. He chaired the Secretary of Energy's Electric Systems Reliability Task Force, which issued its report in 1998. Dr. Sharp also was co-chair of the Energy Board of the Keystone Center and a member of the National Research Council's Board of Energy and Environmental Systems. He headed the advisory committee for a Massachusetts Institute of Technology study on the future of nuclear power and now heads the advisory committee of a second study on the future of coal. He serves on the boards of directors of the Energy Foundation, the Cinergy Corporation, the Distributed Energy Systems Corporation, and the Electric Power Research Institute (EPRI). Before accepting the RFF presidency in 2005, Dr. Sharp was senior policy advisor to the Washington law firm of Van Ness Feldman, and a senior advisor to the Cambridge economic analysis firm of Lexecon/FTI. [sharp@rff.org](mailto:sharp@rff.org) 202-328-5103 (4/08)

## Dr. David L. Skole



David Skole is Professor of Forestry and Director of the Global Observatory for Ecosystem Services at Michigan State University. He has more than 25 years of experience with research on the role of land use change and forestry in the global carbon cycle. He is a leading expert on global environmental monitoring, having been instrumental in developing several international programs related to land use, carbon and climate change. Dr. Skole is a member of the Offsets Committee of the Chicago Climate Exchange. Dr. Skole also leads the team at Michigan State University associated with membership in the CCX and has been leading

the university's emission reduction program. He was instrumental in constructing the first numerical carbon accounting model and has been spearheading the integration of satellite based remote sensing into carbon accounting models. He has more than 100 peer-reviewed publications on land use change and forestry issues related to carbon emissions and sequestration, including several that have been most influential in the field, ranking in the upper 1% in terms of overall influence on the science. Dr. Skole is past Chairman of the International Geosphere Biosphere Programme's Core Project on Land Use and Cover Change and past chair of the National Science Foundation Advisory Committee on Environmental Research and Education. He is the co-leader of a World Bank funded project focused on developing agro-forestry offsets in developing countries. He has advised several companies on their response to climate regulations and their utilization of forest and soil offsets. He has advised both the federal government and international organizations on land use and cover change. He just retired his post as the first Implementation Chairman of the United Nations Program on Global Observations of Land Cover, which is coordinating a monitoring program for land use change worldwide. He has been a member of several committees of the National Academies including the Committee on Geographical Foundations of Agenda 21, and co author of the report, Down to Earth, the Geographic Information for Sustainable Development in Africa, which was an element of the U.S. position at the World Summit on Sustainable Development. He has worked closely with EPA, NASA and US Agency for International Development as an advisor and investigator. [skole@msu.edu](mailto:skole@msu.edu) 517-355-1778 (4/08)

### **Dr. James Stobie**

Jim Stobie is the director of aviation weather programs for ENSCO, Inc. Dr. Stobie holds a Ph.D. degree in atmospheric science from Georgia Tech. He served as an Air Force weather officer and weather/climate modeler for NASA. Prior to joining ENSCO, Dr. Stobie was a senior systems engineer for the FAA, where he worked on the FAA's Weather and Radar Processor (WARP) program. [stobie.jim@ensco.com](mailto:stobie.jim@ensco.com) (4/08)

### **Dr. Starnes E. Walker III**



Starnes Walker is Director of Research in the Science and Technology (S&T) Directorate of the U.S. Department of Homeland Security (DHS). The DHS Under Secretary of Science and Technology, Jay Cohen (Rear Admiral, U.S. Navy, Ret.), recruited Dr. Walker from the Office of Naval Research. As the former Chief of Naval Research, Secretary Cohen previously worked with Dr. Walker, who was most recently Technical Director and Chief Scientist for the Naval S&T program. As Director of Research for the DHS S&T Directorate, Dr. Walker oversees the Office of National Laboratories, the Office of University Programs for the DHS Centers of Excellence, and the Academic Fellowship and Scholarship Program Office. He joined the S&T Directorate in January, 2007. Previously, Dr. Walker joined the Office of Naval Research in September 2004 and served as the

Technical Director and Chief Scientist reporting directly to the Chief of Naval Research (CNR). Working with the CNR, Dr. Walker was responsible for structuring and leading an S&T organization that ensures technological superiority for the U.S. Navy and Marine Corps. Dr. Walker's budget authority was annually \$2,200M, plus an additional average Congressional increase of \$700M, and Dr. Walker served in a supervisory role for a workforce of 5500 civilian and military personnel for ONR and ONR's Corporate Laboratory, the Naval Research Laboratory. Dr. Walker's leadership spanned the university community, the government laboratory structure, industry, and international government defense organizations to bring their resources and technical capabilities into the Naval S&T program, thereby ensuring strategic Naval capabilities to the future and avoiding technological surprise for the nation. Dr. Walker's previous position was as the Acting Associate Laboratory Director for National Security, serving as the National Security Coordinator at Argonne National Laboratory. Most recently, Dr. Walker served on the DoD's Defense Science Board in the Summer Study to define Future Strategic Strike Systems with STRATCOM as the COCOM sponsor. Dr. Walker is a former member

of the Senior Executive Service and served as the Senior Advisor for Science and Technology at the Defense Threat Reduction Agency (DTRA) from 2000-2003. Dr. Walker was a standing member of the Defense Science and Technology Advisory Group for DDR&E in OSD. He started his career at the Naval Weapons Center–Corona Laboratories in 1968 as a research physicist. In 1970 he joined the Naval Weapons Center–China Lake. In 1973, Dr. Walker joined Phillips Petroleum as a research physicist. Advancing to a senior scientist position, he founded and directed programs in physics, technology, nuclear weapons support, energy, and bioengineering, as well as an ending assignment serving as the environmental director for operations. From 1992 to 1998, he served as Vice President–Technology for Morrison Knudsen Corporation with responsibility for developing new technology and engineering partnerships with the DoD, State, and National Laboratories. From 1998 to 1999, Dr. Walker led a team with British Nuclear Fuels Limited that successfully developed a new process from an R&D platform through pilot plant demonstration for the chemical separation of transuranics. Dr. Walker holds a B.S., M.S., and a Ph.D. degree in Physics from the University of California. He holds an Honorary Degree in Nuclear Engineering from the University of Missouri–Rolla. Dr. Walker is Chairman of the Joint Laboratory Board of the Joint Improvised Explosive Devices Defeat Organization (JIEDDO), previously known as the JIEDD Task Force. He also serves as Chairman of the Engineering Development Board of the University of Missouri–Rolla and as a Guest Scientist to Los Alamos National Laboratory. Previously, Dr. Walker served as Science Advisor to Lawrence Livermore National Laboratory and led a tritium production R&D program at the Idaho National Engineering Laboratory. As a distinguished member and Senior Advisor for S&T, Dr. Walker was awarded in 2002 the DTRA Exceptional Civilian Service Medal. He received the R&D 100 Award in 1980 and he has served on the Air Force Studies Board, National Academy of Sciences Committees, and Institute of Chemical Waste Management Steering Committee. His team, for their leadership in Project Sapphire, received a Presidential Citation from the White House. Dr. Walker has widely published in the fields of physics, chemistry, and optics, with numerous patents issued. He was a Navy Fellow and recipient of three consecutive Naval Weapons Fellowship awards. Dr. Walker is a member of the American Physical Society and American Nuclear Society. (3/07)

### **Mr. Richard J. Westergard, CCM**



Dick Westergard, an AMS Certified Consulting Meteorologist (CCM), is President of Shade Tree Meteorology, LLC of Niskayuna, New York. He is a member of the Board of Directors of the National Council of Industrial Meteorologists (NCIM) and is representing NCIM at the 2008 AMS Public-Private Partnership Forum. Prior to starting Shade Tree Meteorology in 2004, Mr. Westergard served 31 years with the National Weather Service, most recently as Warning Coordination Meteorologist at the Albany Forecast Office. During that Albany assignment he was also a primary research partner on two COMET projects with the SUNY Albany Communication Department on communicating weather information. Between 1966 and 1973 he served with the U.S. Air Force as a weather observer.

He has a B.A. degree in Meteorology and Computer Science from Marshall University in Huntington, West Virginia, and has completed numerous graduate and professional courses at several colleges, universities, and training centers. [dick.westergard@shadetreemeteorology.com](mailto:dick.westergard@shadetreemeteorology.com) 518-831-9374 (4/08)

### **Mr. Joel Widder**



Joel Widder is a senior public policy advisor with Lewis-Burke Associates LLC, a leading government relations firm specializing in advocating for the public policy interests of institutions of higher education, research, and education organizations. With 25 years of experience in the executive and legislative branches of the federal government, Mr. Widder has extensive knowledge and understanding of the federal research and development agencies, the federal grant-making process, and all phases of the federal and Congressional budget process. Prior to joining Lewis-Burke Associates LLC in January 2003, Mr.

Widder worked for the U.S. Senate Appropriations Committee on budget and policy issues concerning funding for the research and education activities of the National Aeronautics and Space Administration, the Environmental Protection Agency, and the White House Office of Science and Technology Policy. Before his service with the Senate Appropriations Committee, Mr. Widder was at the National Science Foundation (NSF) for 19 years. As the deputy director for legislative and public affairs at the NSF, he developed, executed and managed the Foundation's participation in all phases of the Congressional budget process. Prior to joining the NSF in 1982, Mr. Widder worked for the U.S. Department of Agriculture and then the U.S. Department of Transportation as an environmental planner. Mr. Widder attended graduate school at the State University of New York College of Environmental Science and Forestry in Syracuse, New York. Mr. Widder received a Bachelor of Science degree in natural resource management from the University of Maryland in 1975. [jwidder@lewis-burke.com](mailto:jwidder@lewis-burke.com) 202-289-7475 (4/08)

### **Ms. Jan Wilkerson**



As AMS Policy Program Administrative Assistant, Jan Wilkerson is responsible for website development and administration, contact database administration, and support of numerous events, including the Summer Policy Colloquium, the Environmental Science Seminar Series, various policy studies, and the Public-Private Partnership Forum. In her free time Ms. Wilkerson enjoys visiting museums, camping, painting, and music of all types. [jwilkerson@ametsoc.org](mailto:jwilkerson@ametsoc.org) 202-737-9032 x436 (4/08)

### **Ms. Ann M. Zulkosky**



Ann Zulkosky is a member of the Professional Staff (D) of the Space, Aeronautics, and Related Sciences Subcommittee of the Senate Committee on Commerce, Science and Transportation. Ms. Zulkosky recently completed a year as a National Oceanic and Atmospheric Administration Sea Grant Fellow for the Commerce Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard. For her Master's Degree in Marine Environmental Science, from the State University of New York at Stony Brook, she studied a class of chemicals that become more toxic as they degrade. Ms. Zulkosky's Ph.D. research focuses on the effects of pollution on the biota of coastal ecosystems. She is investigating the effects of pesticide exposure on non-target animals, which can draw attention to environmental problems before they become more widespread. (4/08)