American Meteorological Society

2009 AMS Public–Private Partnership Forum · 21-22 April 2009

University of California Washington Center · 1608 Rhode Island Ave NW · Washington, D.C.

People Listed in the Agenda

http://www.ametsoc.org/boardpges/cwce/docs/2009-04/Participants.pdf

Please send updates and corrections to Gary Rasmussen:
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We plan to generate a similar list of all attendees, complete with photos, brief biographies, contact information, and URLs. If you attended, please help make the Attendee List complete by sending your information via e-mail to Gary Rasmussen (see above). When it is ready, it will be posted at:
http://www.ametsoc.org/boardpges/cwce/docs/2009-04/Attendees.pdf

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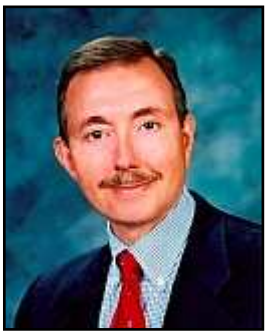
Mr. Raymond J. Ban



Ray Ban is retired Executive Vice President of Programming and Meteorology at The Weather Channel (TWC), Inc. in Atlanta, Georgia. He is currently Consultant, Weather Industry and Government Partnerships and is responsible for growing TWC relationships with the atmospheric science community across the entire weather and climate enterprise. Mr. Ban has been with TWC for over 27 years and is considered one of the founding members of the TWC team including having served as an On-Camera Meteorologist in the early years. In the industry, Ray has been an active member of the AMS for more than 35 years and holds both the Television and Radio Seals of Approval from the Society. Previously Mr. Ban was the Commissioner on Professional Affairs for the AMS for six years. He served as AMS Councilor for three years, and is now serving on the Steering Committee of the AMS Commission on The Weather and Climate Enterprise. He was named a Centennial Fellow of Penn State's College of Earth and Mineral Sciences and he is an Alumni Fellow of Penn State University. Mr. Ban has served on the Board of Atmospheric Science and Climate of the National Academy of Sciences, and he has also served as President of the Alumni Board of the College of Earth and Mineral Sciences at Penn State. He currently is a member of the NOAA Science Advisory Board and sits on the Board of Directors of the National Environmental Education Foundation. Prior to joining TWC in 1982, Mr. Ban worked as an operational weather forecaster at AccuWeather, Inc., from 1973 to 1982. He graduated from Pennsylvania State University with a degree in meteorology. (04/2009)

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Ms. Mary M. Cairns

Mary Cairns is the Solution Set Coordinator for Reduced Weather Impact (RWI), in the Next Generation Air Transportation System (NextGen) Integration and Implementation Office at the Federal Aviation Administration (FAA) in Washington, D.C. She leads the planning and coordination required to execute the NextGen RWI portfolio of activities, identifying resources, technical and schedule gaps, and facilitates the timely resolution to optimize the portfolio, ensuring effective transition from the existing NAS Architecture to NextGen. Prior to the FAA, Ms. Cairns served over 30 years with the National Oceanic and Atmospheric Administration in a variety of positions, including: the Assistant Deputy Federal Coordinator for DOT (FAA) Affairs, Aviation Weather Research and Services at the Office of the Federal Coordinator for Meteorological Services and Supporting Research, as well as Cooperative Education Student, Research Meteorologist, Branch

Chief, Deputy Director, and Science and Operations Officer. Ms. Cairns has devoted the majority of her career to the improvement of operational forecasts and services, with an emphasis on aviation. She has helped develop aviation-specific meteorological display systems, forecast at a National Weather Service Forecast Office and the Center Weather Service Unit at the Denver ARTCC, and led efforts on national aviation weather requirements and policy. Her professional service has included serving on the American Meteorological Society's Aviation, Range, and Aerospace Meteorology and Weather Analysis and Forecasting Committees, and the National Weather Association's Aviation Committee. Ms. Cairns has 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 more than 50 publications, and made numerous presentations at AMS and NWA conferences, as well as other local and national workshops, meetings, and to senior management. (04/2009)

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Mr. Richard E. Carbone

Rit Carbone is a Senior Scientist and Director of The Institute for Integrative and Multidisciplinary Earth Studies at NCAR in Boulder, Colorado. He received a B.S. degree in meteorology and oceanography at New York University and an S.M. degree in atmospheric physics at the University of Chicago. He began his professional career as an NWS meteorologist at Bradley Field in Hartford CT. Later he joined Grumman Aerospace Corporation as an operations analyst on Long Island NY. After leaving the University of Chicago he headed west to lead the Atmospheric Physics Group at Meteorology Research Inc. in Altadena, CA. Mr. Carbone joined NCAR in 1976 where he has been Director of the Atmospheric Technology Division 1989-1994; Lead Scientist of the U.S. Weather Research Program 1995-1999; Chairman, WMO World Weather Research Programme 1997-2004. Mr. Carbone assumed his present position as Institute Director in 2005. He has published over 100 papers and book chapters on topics such as drop-size distributions, fronts and cyclones, tropical convection, topographically influenced circulations, radar remote sensing techniques, observing technologies, predictability of convection, weather impacts and related public policy. Mr. Carbone is a Councilor of the American Meteorological Society, a member of its Executive Committee, and a member of, IUGG and Sigma Xi. He became an AMS Fellow in 1994; elected Vice President, IUGG International Association of Meteorology and Atmospheric Science (IAMAS) 1999-2003; received the 2001 AMS Cleveland Abbe Award; elected to the Sigma Xi College of Distinguished Lecturers in 2002; received the 2002 NCAR Publication Prize. He has served on several NAS/NRC panels and committees and is an incoming member of the Board on Atmospheric Sciences and Climate. He also serves on the NOAA Climate Working Group. (07/2008)

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Ms. Nancy Colleton

Nancy Colleton is President of the nonprofit Institute for Global Environmental Strategies in Arlington, Virginia. She is an internationally known and respected leader in maximizing the awareness, value, and use of Earth observations. In her position she spearheads a wide variety of communication, education, and outreach activities to improve public appreciation of the important role that advancements in space and geospatial technology play in our understanding of and response to global environmental changes, including climate change. During her more than 20 years of experience in the areas of space and the environment, Ms. Colleton has worked vigorously with senior-level government and industry executives to call attention to the need for improved observations, monitoring, and delivery of Earth-related information products. She is a cofounder of the Alliance for Earth Observations, an informal confederation of industry, academic, and nongovernmental

organizations that promotes the private sector's involvement in the development, use, and integration of Earth observations. (04/2009)

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Ms. Chris Elfring

Chris Elfring is Director of the Board on Atmospheric Sciences and Climate at the National Academies in Washington D.C., where she is responsible for all aspects of the Board's strategic planning, project development and oversight, financial management, and personnel. The Board works on a range of issues related to advancing understanding of the earth's atmosphere and climate. Studies under the Board have addressed the future of the atmospheric sciences, climate change feedbacks and forcings, flash flood forecasting in complex terrain, improving weather forecasting for the roadway environment, rainfall measurements from satellites, improving global change assessments, surface temperature reconstructions, estimating and communicating uncertainty in weather and climate forecasts, and various program and document reviews. She provides strategic leadership to the suite of activities known as "America's Climate Choices." Ms. Elfring also serves as Director of the Polar Research Board, where she focuses on projects related to the Arctic, Antarctic, and cold regions in general, covering a wide range of issues and disciplines. Ms. Elfring Chris joined The Academies in 1988 as a study director for the Water Science and Technology Board. Before coming to the National Academies she was a policy analyst at Congress's Office of Technology Assessment, focusing on agriculture, water use, and natural resource management. Ms. Elfring first came to Washington in 1979 as a AAAS Congressional Fellow from the University of Wisconsin-Madison. She has a long-standing interest in the policy dimensions of science and communicating science to non-scientists. She received the National Academy of Sciences Individual Award for Distinguished Service in 1997 and a Team Award for Distinguished Service in 2006 for her climate-related activities. She has a geographic feature in Antarctica, Elfring Peak, named in her honor of her work for polar science. (04/2009)

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Dr. Pamela G. Emch

Pam Emch is a Senior Staff Engineer/Scientist with Northrop Grumman Space Technology in Redondo Beach, California. For over 16 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 M.S. degree in aerospace engineering from USC and a Ph.D. 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. (04/2009)

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Mr. George L. Frederick, Jr.

George Frederick is the President of Falcon Consultants, LLC in Georgetown, Texas. He also manages Strategic Development for Vaisala Measurement Systems, where he is instrumental in the development of commercial radar wind and temperature profilers. Before retiring, he was General Manager of Vaisala's Wind Profiler unit in Louisville, Colorado. Mr. Frederick was the first Commissioner of the AMS Commission on the Weather and Climate Enterprise, and now continues to serve 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 road map 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. (04/2009)

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Dr. Michael H. Freilich

Mike Freilich is the Director of the Earth Science Division, in the Science Mission Directorate at NASA Headquarters in Washington, D.C. Prior to coming to NASA, he was a Professor and Associate Dean in the College of Oceanic and Atmospheric Sciences at Oregon State University. He received B.S. degrees in Physics (Honors) and Chemistry from Haverford College in 1975 and a Ph.D. degree in Oceanography from Scripps Institution of Oceanography in 1982. From 1983 to 1991 he was a Member of the Technical Staff at the Jet Propulsion Laboratory. Dr. Freilich's research focuses on the determination, validation, and geophysical analysis of ocean surface wind velocity measured by satellite-borne microwave radar and radiometer instruments. He has developed scatterometer and altimeter wind model functions, as well as innovative validation techniques for accurately quantifying the accuracy of spaceborne environmental measurements. Dr. Freilich served as the NSCAT Project Scientist from 1983 to 1991 and as the Mission Principal Investigator for NSCAT from 1992 to 1997. Until he relinquished his project posts to join NASA HQ, he was the Mission Principle Investigator for QuikSCAT (launched in June, 1999) and SeaWinds/ADEOS-2 (launched in December, 2002). He was the team leader of the NASA Ocean Vector Winds Science Team and is a member of the QuikSCAT, SeaWinds, and Terra/AMSR Validation Teams, as well as the NASDA (Japanese Space Agency) ADEOS-2 Science Team. Dr. Freilich has served on many NASA, National Research Council (NRC), and research community advisory and steering groups, including the WOCE Science Steering Committee, the NASA EOS Science Executive Committee, the NRC Ocean Studies Board, and several NASA data system review committees. He chaired the NRC Committee on Earth Studies, and served on the NRC Space Studies Board and the Committee on NASA/NOAA Transition from Research to Operations. His honors include the JPL Director's Research Achievement Award (1988), the NASA Public Service Medal (1999), and the American Meteorological Society's Verner E. Suomi Award (2004), as well as several NASA Group Achievement awards. Dr. Freilich was named a Fellow of the American Meteorological Society in 2004. His non-scientific passions include nature photography and soccer refereeing at the youth, high school, and adult levels. (04/2009)

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Ms. Mary M. Glackin

Mary Glackin is the Deputy Under Secretary for Oceans and Atmosphere in Washington D.C., a position she has held since December 2007. In this role she is responsible for the day-to-day management of 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 June 2007, through September 2007. Before that, she was the Assistant Administrator for the National Oceanic and Atmospheric Administration's (NOAA) Office of Program Planning and Integration. From 1999 until 2002, she served as the Deputy Assistant Administrator for the National Environmental Satellite, Data, and Information Service of NOAA. From 1993 to 1999, she worked as the Program Manager for the Advanced Weather Interactive Processing System (AWIPS) with the National Weather Service (NWS), NOAA. 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. (4/2009)

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Dr. Paul A. T. Higgins

Paul Higgins is a Senior Policy Fellow with the American Meteorological Society in Waskington, D.C. He develops approaches for addressing climate change and works to inform policy makers, members of the media, and the public about climate science and policy options. His efforts include analyzing existing legislative approaches, creating new policy options, and developing risk management strategies that can overcome contentious political obstacles to climate policy. He organized and leads a web commentary project focused on climate policy, oversees the AMS-UCAR Congressional Science Fellowship Program, and helps train Earth scientists to engage the federal policy process. From 2005 to 2006 Dr. Higgins was a Congressional Fellow of the American Association for the Advancement of Science (AAAS). During his fellowship year, he analyzed climate policy in the office of Senator Mike DeWine (Republican, Ohio). 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. (04/2009)

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Dr. Michael J. Holland

Now in his second tour of duty, Mike Holland is the Program Examiner in the Office of Management and Budget in Washington, D.C., for the Department of Energy's Office of Science. The office of Science is the Nation's largest source of funding for basic research in the physical sciences. He is also the examiner for the Advanced Research Projects Agency-Energy. In the 110th Congress, he was the Chairman's designee on the Energy Subcommittee of the House Science Committee where he participated in conferencing the research and development title of the Energy Policy Act of 2005 (P.L. 109-58) and in the drafting of the H-Prize Act of 2006 (enacted as Section 654 of P.L. 110-140). Prior to that, he served as a Senior Policy Analyst at Office of Science and Technology Policy working on a variety of physical sciences and engineering issues including: fusion science, the intersection of particle physics and cosmology, scientific user facilities for basic research, and R&D investment criteria. He earned a Ph.D. degree in analytical chemistry from the University of North Carolina and undergraduate degrees in electrical engineering and chemistry from N.C. State University. (04/2009)

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Dr. William H. Hooke

Bill Hooke is a senior policy fellow at the American Meteorological Society (AMS) in Washington, D.C., and is Director of the AMS Policy Program, positions he has held since 2000 and 2001, respectively. 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 Dr. Hooke directed NOAA's Environmental Sciences Group 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 he 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 to 1977; CIRA 1987 to 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. (04/2009)

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Ms. Veronica Johnson

Veronica Johnson is a meteorologist with WRC-TV Channel 4, in Washington D.C. Her forecasts can be seen weekdays on News4 at 4 and online. 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. She is Chair of the AMS Board on Enterprise Communication and also serves on the advisory board of Eyes on the Environment. 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 D.C. Female Firefighters in 2006. Ms. Johnson is an avid fitness buff and enjoys rock-climbing, skydiving, and running. One of her hobbies is outdoor photography. She lives in Howard County, Maryland with her husband and their three children. (04/2009)

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Dr. Thomas R. Karl

Tom Karl is the Director of NOAA's National Climatic Data Center in Asheville, North Carolina, and Lead of NOAA's Climate Services. Dr. Karl is author of many climatic atlases and technical reports, and has published over 150 articles in various scientific journals. He was identified as one of the most frequently cited Earth Scientists of the 1990s. Dr. Karl has been a lead author on several IPCC Assessments and most recently has served as a Review Editor. He was part of the IPCC process that received the 2007 Nobel Peace Prize. Dr. Karl is a fellow of the American Meteorological Society and the American Geophysical Union, and a National Associate of the National Research Council. In 2002, he was elected to serve on the Council of the American Meteorological Society and is the 2009 AMS President. (04/2009)

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Dr. Henry Kelly

Henry Kelly is the president of the Federation of American Scientists (FAS) in Washington, D.C. Prior to joining the FAS in 2001, Dr. Kelly spent more than seven years as Assistant Director for Technology in the Office of Science and Technology in the White House. There he helped negotiate and implement administration research partnerships in energy and the environment, information technology, and learning technology. These partnerships included new automobile and truck technology, housing technology, bioprocessing technology, and information technology. Dr. Kelly convened the President's Information Technology Advisory Committee and translated their advice into a large expansion and refocusing of federal information technology research. He also was instrumental in creating major federal programs in learning technology for children and adults, including an executive order accelerating the use of instructional technology for training federal civilian and military employees. Before his tenure at the White House, he was a senior associate at the Congressional Office of Technology Assessment; assistant director for the Solar Energy Research Institute; and worked on the staff of the Arms Control and Disarmament Agency. Dr. Kelly is an elected fellow of the American Physical Society, 2002 winner of the APS' Leo Szilard Lectureship Award

for "promoting the use of physics for the benefit of society," and was named the biannual "Champion of Energy Efficiency" in 2000 by the American Council for an Energy Efficient Economy. He is the author of numerous books and articles on issues in science and technology policy. He received a Ph.D. degree in physics from Harvard University. (04/2009)

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Dr. William D. Laska

Wil Laska is a Program Manager in the Homeland Security Advanced Research Projects Agency (HSARPA), a part of the Department of Homeland Security (DHS), in Washington, D.C. He oversees the evaluation and characterization of systems, procedures and concepts associated with the Department's innovative goals of the future. Mr. Laska is part of a small group of experts focused on Science and Technology Directorate (S&T) projects called Homeland Innovative Prototypical Solutions, or HIPS. These projects are designed to deliver prototype-level demonstrations of potential game-changing technologies in two to five years. Specifically he is involved with the Levee Strengthening and Rapid Repair and Storm Surge Mitigation programs. Beginning 2009 he will lead a new program looking into Hurricane Mitigation. Mr. Laska also supports programs within the Infrastructure and Geospatial Division (IGD). His IGD programs include the Complex Event Modeling and Simulation and Analyses (CEMSA) program representing the next logical step in the evolution of critical infrastructure protection modeling tools and analysis development. His other program within IGD is the Rapid Response and Recovery Project focusing on delivering technologies and methodologies to reduce or eliminate the release of TIH materials from railcar tanks and stationary tanks. These are critical programs within DHS, having the potential of saving numerous lives, reducing human suffering and limiting monetary expenditures. Before this assignment Mr. Laska supported the Counter-MANPADS program within DHS S&T during the first three phases of this program. This has lead to flight testing of the Counter-MANPADS system on several different types of civilian aircraft flying regular scheduled flights through out the United States. His efforts also ensured close coordination with foreign governments and other national and international organizations which may be affected by this program. Mr. Laska had extensive military experience before beginning a civilian career. While serving in the Navy, he had a number of operational tours in Naval aviation and shipboard operations in Electronic Warfare. Additional military assignments included high level program management/acquisition positions at two separate commands: Naval Space and Warfare Systems Command, and Naval Air Systems Command. Prior to his tour at the Naval Space and Warfare Systems Command he attended the six month Program Management Course at the Defense Systems Management College. He also served on the staff of Headquarters European Command, Stuttgart, Germany. Mr. Laska holds a Bachelor Degree from Kent State University, and Master of Science Degree in Systems Engineering from the Virginia Polytechnic Institute and State University. He is a certified Project Management Professional, DHS Certified Acquisition Professional and a member of the Transportations Research Board's Aviation Systems Planning committee as an appointed member. Mr. Laska is also an Adjunct Assistant Professor at the University of Maryland University College, teaching courses in computer technology. (04/2009)

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Mr. John Lasley

John Lasley is Business Development Manager and Staff Meteorologist with Science Applications International Corporation 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. 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 to 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, the American Meteorological Society 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. (04/2008)

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Dr. Stuart Levenbach

Stu Levenbach is the Program Examiner for the National Oceanic and Atmospheric Administration (NOAA) in the Office of Management and Budget (OMB) in Washington, D.C. He works with NOAA and the Department of Commerce to provide budget, management, and policy recommendations within the Executive Office of the President. Before arriving at OMB, Dr. Levenbach was a Sea Grant Fellow working with the Republican staff for the U.S. Senate Commerce Committee's Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard. The subcommittee's jurisdiction included oversight responsibility for NOAA and Federal climate science policy. Dr. Levenbach earned a Ph.D. degree from the University of California, Santa Barbara, where he studied marine community ecology and his research is published in leading ecology journals. He earned a B.S. degree in biology and political science from the University of Michigan. Dr. Levenbach also managed a local reforestation program as a U.S. Peace Corps Volunteer in Ghana. (04/2009)

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Dr. Ronald McPherson

Ron McPherson is Executive Director Emeritus of the American Meteorological Society (AMS), serving as Executive Director from 1999 until 2004. Subsequent to "retiring", though, he continued to serve AMS from its Washington, D.C. office. Recently, Dr. McPherson announced his retirement from AMS (again) at the end of April 2009. Everyone at AMS hopes he is no more successful this time. Before joining AMS, Dr. McPherson 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 basters degree in Environmental Engineering, and a Ph.D. degree in Atmospheric Sciences from the University of Texas at Austin. He is married to the former Edith Noel Luce of Seguin, Texas, and resides in Mitchellville, Maryland. (04/2009)

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Dr. Berrien Moore III

Berrien Moore is Founding Executive Director and Senior Research Scientist at Climate Central in Princeton, New Jersey and Palo Alto, California. Previously he was Director of the Institute for the Study of Earth, Oceans, and Space at the University of New Hampshire. As coordinating lead author of the final chapter of the Intergovernmental Panel on Climate Change's Third Assessment Report, Dr. Moore shared in the 2007 Nobel Peace Prize. Among his other honors are the 2007 Dryden Lectureship in Research from the American Institute of Aeronautics and Astronautics and NASA's highest civilian award, the Distinguished Public Service Medal. Dr. Moore holds a Ph.D. degree in Mathematics from the University of Virginia. (04/2009)

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Dr. Bart Nijssen

Bart Nijssen is the Chief Information Officer of 3TIER in Seattle, Washington. Since joining 3TIER in 2005, he has led 3TIER's research and development efforts, initially as the Director of Research and Development. Dr. Nijssen has an extensive background in hydrological sciences. From 2001 through 2005 he was an assistant professor at the University of Arizona, where he held a joint appointment in the Department of Civil Engineering and Engineering Mechanics and the Department of Hydrology and Water Resources. Dr. Nijssen is lead or coauthor of four book chapters and more than 20 publications in peer-reviewed scholarly journals on subjects including water resources, climate change, and hydrological modeling. He is a reviewer for Aquatic Sciences, Climatic Change, Global and Planetary Change, Journal of Climate, Journal of Hydrology, Journal of Hydrometeorology, Journal of Geophysical Research, Water Resources Research, American Geophysical Union, United States Geological Survey, National Science Foundation, and National Aeronautics and Space Administration. Since 2005, Dr. Nijssen has been serving as a member of the Hydrology Committee of the American Meteorological Society. (04/2009)

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Mr. Leon F. Osborne, Jr.

Leon Osborne is the President, CEO, and cofounder of Meridian Environmental Technology, Inc. He has over 30 years of atmospheric science experience in academia, research and industry. Since 1979, Mr. Osborne has served as a faculty member of the University of North Dakota (UND) Department of Atmospheric Sciences where he is a tenured faculty member, a Chester Fritz Distinguished Professor of Atmospheric Sciences, and Director of the UND Surface Transportation Weather Research Center. He has been actively involved in weather research and technology transfer that applies weather technology to solve everyday problems, including a focus on the effects of weather on transportation systems. His areas of expertise include numerical weather prediction, synoptic and dynamic meteorology, and the adaptation of advanced spatial technologies in decision support systems. He was the 1995 recipient of the National Governor's Association Award for Outstanding Service to State Government. In 1996, he was appointed by Governor Ed Schafer as North Dakota's representative to the Science and Technology Council of the States. For the past decade Mr. Osborne has lead Meridian Environmental Technology to become one of the premier applied and research technology companies involving advanced weather and information technology solutions. Mr. Osborne is a member or past member of numerous national boards and committees, including the Transportation Research Board Committee on Surface Transportation

Weather, the American Meteorological Society Intelligent Transportation System and Surface Transportation Committee, the Intelligent Transportation Society of America (ITSA) 511 Working Group, the Rural Geospatial Innovations Coordinating Council, and the ITSA Weather Special Interest Group. Regional boards and committees include the Red River Valley Research Corridor Research Steering Committee, the Hydrology Task Force of the Red River Basin, and Chair of the Steering Committee for the Advanced Transportation Weather Information Systems Project. In addition, Mr. Osborne is a member of several professional associations and societies, including the American Geophysical Union, the American Meteorological Society, the American Water Resources Association, Sigma Xi, and the Institute of Transportation Engineers. He is also a member of the honor societies of Sigma Pi Sigma (Physics), Chi Epsilon Pi (Meteorology), and Epsilon Pi Tau (Technology). (04/2009)

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Dr. Anna C. Palmisano

Anna Palmisano is the Associate Director of Science for Biological and Environmental Research in the U.S. Department of Energy (DOE). With an annual budget of more than $500 million, the Office of Biological and Environmental Research supports complex systems science to meet DOE mission needs in bioenergy, climate and the environment. She joined the Office of Science on March, 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. Dr. Palmisano has also served as a Program Manager and acting Division Director for Biomolecular and Biosystems Sciences and Technology in the Office of Naval Research, and she worked as a staff microbiologist in the Environmental Safety Division of the Procter & Gamble Company. Dr. Palmisano received a B.S. degree in Microbiology 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. Her research interests have included sea ice microbial communities, stream ecology, microbial mats, bioremediation of organic pollutants, and landfill microbiology. She has led five research expeditions to Antarctica and published numerous papers in the field of microbial ecology. (04/2009)

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Mr. Kenneth W. Reeves

Ken Reeves is an Expert Senior Meteorologist and the Director of Forecasting Operations for AccuWeather, Inc. in State College, Pennsylvania. He was born in Philadelphia, Pennsylvania and, during his childhood in that area, there was no "one event" that piqued his interest in the weather; but he "always had a fascination with nature." Mr. Reeves spent his formative years in Abington, Pennsylvania, a Philadelphia suburb, and attended Abington High School. While in high school, he was elected representative to a district-wide student issue task force. He also trained three days a week with the head meteorologist at Philadelphia's Franklin Institute. After graduating from high school in 1979, he attended the Pennsylvania State University. He was the vice president of the Undergraduate Student Government during his junior year and was named to Who's Who Among American College Students. He was also active with the Campus Weather Service before graduating from Penn State with a B.S. degree in meteorology in 1983. Less than one month later, Mr. Reeves joined AccuWeather, the world's largest commercial weather organization. He rose steadily through the ranks and was instrumental in the establishment of AccuData®, a state-of-the-art, user-friendly weather data base for government agencies, weather hobbyists, pilots and others who are interested in the weather. He also helped integrate Macintosh® computer systems into AccuWeather's

forecasting operations, enabling AccuWeather to better serve its clients. At various times over his 22-year career at AccuWeather, he has played a major role in providing quality service to a wide array of clients worldwide. When he is not dedicating his time to AccuWeather, Mr. Reeves enjoys a number of outdoor pursuits, not limited to softball… of course, as a player/head coach. As a Director Emeritus of The Mount Nittany Conservancy, he is also actively involved in preserving a traditional symbol of Penn State University. (04/2009)

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Dr. Kevin Rennert

Kevin Rennert is the 2008-2009 AMS-UCAR Congressional Science Fellow in Washington, D.C. He works with the Senate Energy and Natural Resources Committee on issues related to climate change. One current assignment involves efforts to legislate a Renewable Energy Standard. Another is analyzing proposed legislation to enact an Energy Efficiency Resource Standard that would enforce mandatory efficiency gains on electrical and natural gas distribution utilities. Also, Dr. Rennert has worked to develop committee positions on climate legislation, with a particular focus on policies related to carbon offsets. He recently completed his Ph.D. degree at the University of Washington in Atmospheric Science. His doctoral research focused on the impacts of climate change on Arctic ecosystems and permafrost, as well as on the role that extreme weather events play in affecting more slowly varying patterns of temperature and precipitation. His postdoctoral research used climate models to understand rapid climate changes of the past and to determine their relevance for today's climate. Prior to pursuing a doctorate, Kevin spent 3 years supporting high-energy Physics experiments at the Stanford Linear Accelerator Center (SLAC) as a technician and software engineer, and earned a degree in Physics from Grinnell College. He is an avid backpacker, kayaker, and photographer. (04/2009)

Ms. Cynthia Schmidt

Cindy Schmidt is the Director of the Office of Government Affairs (OGA) for the University Corporation for Atmospheric Research in Boulder, Colorado. OGA serves the broad atmospheric sciences community, advocating for healthy federal science budgets and constructive legislation, and educating the U.S. Congress about the atmospheric and related sciences. Schmidt has worked at UCAR since 1990 and is apparently addicted to nonprofits, with previous positions at the Colorado Historical Society, the Colorado Humanities Program, the University of Colorado, University of Denver, and Colorado School of Mines. (04/2009)

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Dr. Keith L. Seitter, CCM

Keith Seitter was named Executive Director of the American Meteorological Society in September 2004. He had 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. (02/2007)

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Dr. Dahlia Sokolov

Dahlia Sokolov is the staff director for the Subcommittee on Research and Science Education of the Committee on Science and Technology in U.S. House of Representatives in Washington, D.C. Dr. Sokolov joined the Science and Technology Committee staff as an American Institute of Physics Congressional fellow in October 2004 and joined the professional staff in July 2005. For two years prior to joining the Democratic staff, she served on the Energy Subcommittee working on nuclear energy Research and Development under the leadership of then-Chairman Sherwood Boehlert (Republican, New York). Before coming to the Hill, Dr. Sokolov completed a two-year postdoctoral research fellowship at the National Institutes of Health in the Radiation Oncology Sciences Program. She has a Ph.D. degree in Bioengineering from the University of Washington and a B.S. degree in Engineering Physics from the University of California at Berkeley. Her graduate research was on the physics and bioeffects of shock-wave driven cavitation. (04/2009)

Mr. Franz Wuerfmannsdobler

Franz Wuerfmannsdobler is a professional staff member of the Senate Appropriations Subcommittee on Energy and Water Development, as well as the senior energy policy advisor to Senator Byron L. Dorgan (Democrat, North Dakota) in Washington, D.C. From 1998 to 2006, he was a legislative assistant for Senator Robert C. Byrd (Democrat, West Virginia) where he handled energy, environment, climate change, and natural resource issues. Mr. Wuerfmannsdobler has been engaged in important elements of the Energy Policy Act of 2005 and the Energy Independence and Security Act of 2007. His role included promoting reformed fuel economy, renewable fuels, energy efficiency, advanced clean coal, and international clean energy deployment standards and programs. Prior to his Senate tenure, he worked in the Department of State's Bureau of Oceans and International Environmental and Scientific Affairs. He has an M.Sc. degree in Environmental Management and Policy from Oxford University and a B.A. degree in cultural studies and history from the University of Denver. (04/2009)