



## 2008 BAHAMAS WEATHER CONFERENCE KEY SPEAKERS

### MAX MAYFIELD WPLG-TV HURRICANE SPECIALIST

Max Mayfield is a *Fellow of the American Meteorological Society (AMS)* who has presented invited papers at national and international scientific meetings, lectured in United Nations' World Meteorological Organization (WMO) sponsored training sessions, and provided numerous interviews to electronic and print media worldwide.

In **2006** he received the *Government Communicator of the Year Award* from the National Association of Government Communicators, as well as the prestigious *Neil Frank Award from the 2006 National Hurricane Conference* "for...efforts to significantly improve the accuracy of hurricane forecasting...as Director of the National Hurricane Center, a factor which has undoubtedly helped save countless lives and property."

In **2005** he received a *Presidential Rank Award for Meritorious Service from President George W. Bush*. He was named *ABC Television Network's "Person of the Week"* after 2005 Hurricane Katrina.

In **2004** the Federal Coordinator for Meteorological Services and Supporting Research sponsored Interdepartmental Hurricane Conference presented its *Richard Hagemeyer Award* to Mr. Mayfield for his contributions to the nation's hurricane warning program. Also in **2004**, the National Academy of Television Arts and Sciences' Suncoast Chapter recognized Mr. Mayfield with its *Governor's Award, an "Emmy", for extraordinary contributions to television* by an individual not otherwise eligible for an Emmy.

In **2000** he received an *Outstanding Achievement Award* at the 2000 National Hurricane Conference for developing and expanding educational opportunities for state and local emergency management officials.

In **1996** the AMS honored him with the *Francis W. Reichelderfer Award* for exemplary performance as coordinator of the National Hurricane Center's hurricane preparedness training for emergency preparedness officials and the general public.

Max Mayfield has been recognized by the Department of Commerce with *Gold Medals* for his work during **1992 Hurricane Andrew, 2003 Hurricane Isabel, 2004 U.S. landfalling hurricanes, and the 2005 U.S. landfalling major hurricanes including Katrina**, and a *Silver Medal during 1988 Hurricane Gilbert*. He was also awarded a National Oceanic and Atmospheric Administration (NOAA) *Bronze Medal* for creating a public-private partnership to support the nation's disaster preparedness. He is the former *Chairman of the WMO's Regional Association-IV Hurricane Committee* which supports 26 members from Atlantic and eastern Pacific countries. As former director of NOAA's Tropical Prediction Center-National Hurricane Center he has played a key role in forecast and service improvements over a 34 year career.

Mr. Mayfield is married, has three children, and resides in Miami, Florida.

**BILL READ  
DIRECTOR  
NATIONAL HURRICANE CENTER**

Bill Read is the director of the National Hurricane Center in Miami. Previous to this position, Read was the meteorologist in charge at the Houston-Galveston Area National Weather Service forecast office from 1992 to 2007. He has been the operational and administrative leader of many significant weather operations as well as major technological and organizational changes. In this capacity, he has lead the office through technology modernization starting with the installation of the NEXRAD Doppler radar, WSR-88D, and the added responsibilities associated restructuring of the field operations of the NWS.

Among the significant weather events he was privileged to work while in southeast Texas, include the November 1992 tornado outbreak, the October 1994 floods, *Tropical Storm Frances*, the October 1998 floods, the September 2000 heatwave, unprecedented urban flood caused by *Tropical Storm Allison*, *Hurricane Claudette*, and *Hurricane Rita*. Read has also been a member of the Hurricane Liaison Team, augmenting the staff at the National Hurricane Center to brief high level governmental agencies for landfalling hurricanes. In this role, Read worked *Hurricanes Isabel* (2003), *Charley* (2004), and *Katrina* (2005).

Read's background in the NWS includes six years as a forecaster in Fort Worth, where he worked inland impacts from *Hurricanes Alicia* (1983) and *Gilbert* (1988), and six years as a forecaster in San Antonio, where he worked the Hill Country floods caused by *Tropical Storm Amelia*, the record setting 24-hour rain event from *Tropical Storm Claudette* (1979) and the approach and landfall of *Hurricane Allen* (1980). He started his NWS career in 1977 with the Test and Evaluation Division in Sterling, Va.

Read spent more than four years on active duty as an officer in the U. S. Navy where he had a variety of unique assignments, including serving as on-board meteorologist with the Navy Hurricane Hunters in 1972-1973. Sandwiched around his tour in the Navy, Read earned both a bachelor's (1971) and master's degree (1976) in meteorology from Texas A&M University.

He is actively involved with meteorological professional organizations, and was president of the National Weather Association in 2003, and president of the Houston chapter of the American Meteorological Society in 2006.

His most significant awards include the *Special Award for Public Education* from the National Hurricane Conference, 2004, and *Member of the Year Award* from the National Weather Association, 1996.

**DR. WILLIAM M. GRAY  
DEPARTMENT OF ATMOSPHERIC SCIENCE  
COLORADO STATE UNIVERSITY**

Professor Emeritus Gray has worked in the observational and theoretical aspects of tropical meteorological research for more than 50 years. He has been on the faculty at CSU since 1961. Much of this effort goes to investigations of meso-scale tropical weather phenomena. He has specialized in the global aspects of tropical cyclones for his entire professional career. He studied under Professor Herbert Riehl who arranged his early reconnaissance flights into hurricanes in 1958. Gray organized and supervised the first World Meteorological Organization sponsored workshop on the global aspects of tropical cyclones in Bangkok, Thailand in 1985. He has been involved with studies of broad-scale cumulus interactions and has extensively studied the processes associated with tropical cyclone structure, development, and movement. Numerous satellite-based studies of tropical weather systems have also been accomplished. Current areas of research include: 1) tropical cyclone structure, movement and intensity change; 2) seasonal prediction; 3) meso-scale tropical weather systems, 4) diurnal variability of tropospheric vertical motions and 5) ENSO variability.

He has been an advisor to 50 Master Degree graduates and 20 Ph.D. graduates.

**DR. PHIL KLOTZBACH**  
**DEPARTMENT OF ATMOSPHERIC SCIENCE**  
**COLORADO STATE UNIVERSITY**

Phil Klotzbach is a Research Scientist in the Department of Atmospheric Science at Colorado State University. He recently received his Ph.D. in Atmospheric Science from CSU. Klotzbach has been employed in the Department of Atmospheric Science for the past seven years where he has been co-author on the Atlantic basin hurricane forecasts with Dr. William Gray. He became first author on the seasonal hurricane forecasts in 2006.

Klotzbach graduated with a 4.0 GPA from Bridgewater State College with a BS degree in Geography in 1999. He then attended Colorado State University where he received his Masters degree in Atmospheric Science in 2002. After receiving his Masters degree in 2002, Klotzbach thru-hiked the Appalachian Trail from Georgia to Maine (2100+ miles). He has also developed the Landfalling Hurricane Probability Webpage (available online at <http://www.e-transit.org/hurricane>) in partnership with the GeoGraphics Laboratory at Bridgewater State College. This webpage provides hurricane landfall probabilities for 11 regions, 55 sub-regions and 205 coastal counties from Brownsville, Texas to Eastport, Maine. Since the webpage went online on June 1, 2004, it has received over 500,000 hits. Klotzbach has been an invited speaker at several conferences including the National Hurricane Conference, the Bahamas Weather Conference, the Florida Governor's Hurricane Conference, the Institution of Structural Engineers-Caribbean Division Hurricane Conference, the Northeast Hurricane Conference, the Resort Hotel Association Annual Conference, and the MDA Earthsat Energy Weather Conference. Besides tropical cyclones, Klotzbach's other research interests include climate change and nor'easters. He has had several research papers published in scholarly journals including papers published in the American Meteorological Society's journals *Weather and Forecasting* and the *Bulletin of the American Meteorological Society*.

**DAVID R. VALLEE**  
**HYDROLOGIST-IN-CHARGE**  
**NOAA/NWS NORTHEAST RIVER FORECAST CENTER**

David R. Vallee is the Hydrologist-in-Charge of the National Weather Service's Northeast River Forecast Center, located in Taunton, MA. The Taunton office is among the nation's 13 River Forecast in the nation. The Northeast River Forecast Center provides hydrologic and hydrometeorologic forecasts and guidance products to National Weather Service Forecast Offices in its service area as well as other customers involved with river and water management. As Hydrologist-in-Charge, David oversees hydrologic forecast and development activities at the Northeast River Forecast Center. His responsibilities also include maintaining close working relationships with the local National Weather Service forecast offices as well as water management and hydrologic-oriented agencies outside the National Weather Service to ensure the highest quality forecast information is available to the hydrologic community.

David R. Vallee previously served as the Science and Operations Officer National Weather Service's Weather Forecast Office in Taunton, MA, from 2001 through 2007, leading research and training efforts on severe and winter related storm systems, coastal flooding, drought, as well as heavy rainfall associated with land falling tropical cyclones in the Northeast United States. Prior to that, he served as the first Service Hydrologist for the National Weather Service's Weather Forecast Office in Taunton, MA, from 1993 to 2000, building a hydrologic service area program that did not previously exist. In that position, he developed an excellent relationship with hydrological partners and customers throughout the Taunton, MA service area. He also served as a Meteorologist Intern at the National Weather Service office located at T. F. Green State Airport in Warwick, R.I.

David graduated from Lyndon State College in Vermont with a Bachelor's of Science degree in Meteorology. He is a native of Cumberland, Rhode Island.

**NICHOLAS K. COCH PHD., C.P.G**  
**QUEENS COLLEGE OF C.U.N.Y.**

Nicholas K. Coch received his Ph.D. in 1965 from Yale University with a specialization in sedimentology and coastal geology. In 1967, he joined the faculty at Queens College and the CUNY Doctoral Faculty in Earth and Environmental Sciences . He has co-authored two college geology textbooks (PHYSICAL GEOLOGY) and is the author of GEOHAZARDS

Recent research by Dr. Coch and his students has shown that major hurricanes passed directly over New York City and caused severe damage in 1821 and 1893. The 1821 event sunk most of the ships in New York Harbor, raised sea level 13 feet in an hour from low tide at the Battery and resulted in massive wind damage in Southern New England. The 1893 Hurricane was an unprecedented event; it removed an urbanized barrier island that existed from 1870 -1893 south of the present Rockaway Shore. Details of the geologic, historical and archeological studies that document this event were published in the local and national editions of the NEW YORK TIMES on March 18, 1997. His most recent research has been the forensic reconstruction of the 1635 "Colonial" Hurricane, that nearly wiped out early English settlements in New England. Data from the study were jointly analyzed with Brian Jarvinen of the National Hurricane Center. The result was a dynamic computer model of the storm as it raced towards New England 368 years ago!

He is a Fellow of the Geological Society of America and a Member of The American Meteorological Society, Society of Sedimentary Geologists, National Association of Geology Teachers, American Association of Petroleum Geologists and is a Certified Professional Geologist .

Dr. Coch is an expert on Northern Hurricanes and has been a consultant to the N.Y. City Emergency Management Organization and the N.Y.S. Office of Emergency Management as well as insurance, reinsurance and risk management groups nationwide. He was selected as a Sigma Xi Distinguished Lecturer for 2004-2007, and has presented lectures on his research at educational and research facilities in the U.S. and Canada. Programs discussing his research have aired on the Weather Channel, Discovery Channel ,and History Channel in 2006 and on the National Geographic Channel (Naked Science Series) in 2007. In 2008, he received the President's Award for Excellence in College Teaching at Queens College of C.U.N.Y.

**DR. WILSON SHAFFER**  
**METEOROLOGICAL DEVELOPMENT LABORATORY**  
**NOAA'S NATIONAL WEATHER SERVICE**

Dr. Shaffer received his Ph.D. from Drexel University in the area of atmospheric physics. He currently heads NOAA's National Weather Service's Evaluation Branch, located in Silver Spring, MD. In addition to developing, applying, and displaying statistical measures to verify NWS new digital forecasts, this branch developed several operational storm surge forecasting models, including the Sea, Lake, and Overland Surges from Hurricanes (SLOSH) model. The SLOSH model is being used extensively by Federal, state, and local governments as the basis for comprehensive hurricane evacuation planning. Dr. Shaffer is currently involved in modeling storm surges generated by extratropical (winter) storms and with coastal waves.

Dr. Shaffer began storm surge modeling in 1980 and has been involved in all aspects of the SLOSH model since that time. He wrote an early computer-generated program to assist users in viewing SLOSH model results, combining vast amounts of computer output into more usable graphical products. This program has been updated and is available to U.S. emergency managers and NWS forecasters. Dr. Shaffer regularly teaches portions of the FEMA course, "Introduction to Hurricanes," designed to aid coastal emergency managers, and held at the National Hurricane Center.

Dr. Shaffer has been involved in several NOAA Disaster Surveys. These post-storm surveys are designed to evaluate and improve the NWS's forecast, response, and dissemination procedures.

**MIKE WYLLIE  
METEOROLOGIST IN CHARGE  
NATIONAL WEATHER SERVICE**

Mike Wyllie just retired from his position as Meteorologist-in-Charge (MIC) of the National Weather Service (NWS) Forecast Office at Upton, NY (formerly New York City). Mike had held this position for over seventeen years, since October 1990 when the office was located in the heart of Manhattan at 30 Rockefeller Plaza. Prior to this, Mike was the Deputy Meteorologist-in-Charge of the NWS Forecast Office at Boston, MA from 1987 to 1990. From 1985 to 1987, Mike was the Regional Aviation Meteorologist for the Eastern Region Headquarters of the NWS which was then located in Garden City, NY. Mike was a journeyman forecaster at the New York City Forecast Office located in Rockefeller Center from 1982 to 1985. Mike started his career in the NWS as a Meteorological Intern in the Des Moines, Iowa Forecast Office back in 1978. So after 30 years as a meteorologist in the National Weather Service, Mike finally retired this March.

Mike's academic background includes a Bachelor of Science degree in Atmospheric Science from the State University of New York at Albany which he received in 1975. He then went on to graduate school at Florida State University where he was awarded a Master of Science degree in Meteorology in late 1977.

**WENDY SPENCER  
GOVERNOR'S COMMISSION ON VOLUNTEERISM AND COMMUNITY SERVICE  
(VOLUNTEER FLORIDA)**

Wendy Spencer was appointed in 2003 as Chief Executive Officer of the Governor's Commission on Volunteerism and Community Service, commonly known as Volunteer Florida.

Volunteer Florida manages programs including AmeriCorps, through which more than 1,000 volunteers each year dedicate 12 months of their lives to service in the areas of education, environment, human needs, public safety, disaster response and recovery, and homeland defense.

Volunteer Florida is the lead coordinating agency for volunteers and donations during times of disaster, working closely with Florida's Division of Emergency Management. Under Spencer's leadership, Volunteer Florida coordinated more than 140,000 volunteers and donated items totaling more than \$63 million during Florida's record-breaking 2004 hurricane season. This was to become the single largest mobilization of volunteers in the history of U.S. natural disasters to date. Volunteers for the 2004 – 2005 hurricane seasons combined totaled 252,000, generating 10.6 million hours of service at a value of \$289 million. During the 2005 Hurricane Season, Spencer lent her expertise post Hurricane Katrina to the states of Mississippi and Alabama, providing technical assistance in the areas of volunteer and donations management, and post-disaster communications.

In conjunction with leading voluntary disaster response agencies, Spencer has been working diligently with officials from the Department of Homeland Security and the Federal Emergency Management Agency to strengthen the role of volunteers and donations in the National Response Framework. She also co-chaired the National Disaster Task Force for Non-government Organizations with The White House Office of USA Freedom Corps. Nationally, she has become a leading advocate for responsible engagement of volunteers in disaster response and recovery, and for engaging AmeriCorps and other National Service members in all phases of emergency management.

Wendy's 24-year career also includes work in volunteer organizations like United Way, plus a vast background in marketing, public relations, community development, major event planning, and management. She has raised more than \$35 million for communities throughout her career, and has delivered more than 1,000 speeches and presentations. Prior to assuming leadership at Volunteer Florida, she was Director of the Florida Park Service, where she managed 1,700 full- and part-time employees and more than 6,000 volunteers for 158 award-winning state parks.

In May 2005, Spencer received the President's Call to Service Award from President George W. Bush for her dedication and service to others throughout her life.

On Feb 14, 2006, Wendy was appointed to the President's Council on Service and Civic Participation. In her role with the President's Council, Wendy acts as an "Ambassador of Service" for the President's vision of fostering a culture of citizenship and volunteer service in our country.

**JOHN ZARRELLA**  
**MIAMI CORRESPONDENT**  
**CNN**

John Zarrella is CNN's Miami correspondent, named to this position when the Miami bureau was established in December 1983. Zarrella is responsible for CNN's coverage of news in Florida and the Caribbean. Since joining CNN, he has covered every major hurricane to hit Florida and the Gulf Coast, most recently Katrina and Rita; the Pope's visit to Cuba; the eruption of the Montserrat volcano and the Cuban and Haitian refugee crises.

Zarrella joined CNN in November 1981 as an executive producer and has since become a principal correspondent for CNN's coverage of the U.S. space program, covering such events such as John Glenn's 1998 return to space, the Mars Pathfinder mission and numerous space shuttle launches. Zarrella was the CNN network correspondent on site when the 1986 Challenger shuttle disaster occurred.

He also has served as a correspondent on major news events for the network, including the Terri Schiavo controversy in Florida, the 2002 Elian Gonzalez story in Miami, the 1995 bombing of the Murrah Federal Building in Oklahoma City, the 1985 hijacking of TWA flight 847 in Beirut, the trial of Manuel Noriega and the Mexico City earthquake in 1985.

Earlier, Zarrella served as executive producer at WJTV-TV and WPLG-TV in Miami; WPEC-TV in West Palm Beach, Fla.; WXIA-TV in Atlanta, he won two Emmy® awards, including one for his production of a public affairs series; and WBAL-TV in Baltimore, where he was awarded an Edward R. Murrow Award for outstanding news operation.

Zarrella has been honored numerous times for his reporting contributions. In 2003, the Florida Emergency Preparedness Association gave him its prestigious Media Award for "outstanding efforts to inform the public of the problem of hurricanes and the issues faced by emergency managers." In 2002, the National Hurricane Conference awarded him its Outstanding Achievement Award for his work on "Hurricane: When the Big One Hits." The committee said the documentary set "a new standard for the coverage of science of hurricanes and the problems related to evacuations, sheltering and risk assessments."

Zarrella earned a bachelor's degree in English from St. Thomas University, formerly Biscayne College, where he helped establish the college's journalism program.

**DR. STEVE LYONS**  
**TROPICAL WEATHER EXPERT**  
**THE WEATHER CHANNEL**

A native of San Diego, Steve grew up in southern California. He attended the University of Hawaii on a track scholarship, where he ran the 800 meters. Between track meets and surfing sessions, Steve obtained a B.S., and a M.S., culminating in a Ph.D. in Meteorology in 1981.

Steve's expertise is in Tropical and Marine Meteorology. He has participated in more than 50 national and international conferences and provided World Meteorological Organization training courses in marine meteorology, tropical meteorology and ocean wave forecasting. Each spring Steve is a guest speaker at many hurricane preparedness conferences from Texas to New York. Prior to joining The Weather Channel in April 1998, Steve managed the Tropical Analysis and Forecast Branch of the Tropical Prediction Center, National Hurricane Center.

He has worked directly for private weather companies and traveled around the world forecasting weather in various tropical locales. Steve has also been a private consultant forecasting ocean waves for numerous surfing beaches. Familiar with on-camera assignments, Steve worked on-air for a station in Ventura County, California.

Among his many interesting jobs, Steve has been a research scientist for the U.S. Navy, for the Geophysical Fluid Dynamics Laboratory (GFDL) at Princeton University, and for the University of California at Los Angeles(UCLA). He has also been a professor of meteorology at Texas A&M University, where he is still an adjunct faculty member, and at the University of Hawaii where he remains involved with the Joint Institute for Marine and Atmospheric Research (JIMAR). Steve has also worked for the National Weather Service South Region Scientific Services Division, where he trained NWS meteorologists. Steve routinely reviews scientific papers related to tropical and marine weather submitted for publication in American Meteorological Society and other international journals.

Steve is a fellow of the American Meteorological Society; he has published more than 20 papers in scientific journals, and written more than 40 technical reports and articles for the National Weather Service and for the Navy. Currently Steve is seen during "hurricane season" on Tropical Updates at :50 past the hour. In his spare time he develops various models and continuously improves them; they provide many of the forecasts of hurricane impacts on land you see on The Weather Channel cable network and weather.com.

**JOHN SIMSEN  
EMERGENCY MANAGEMENT COORDINATOR  
GALVESTON COUNTY OFFICE OF EMERGENCY MANAGEMENT**

John Simsen is the emergency management coordinator for Galveston County, TX. He is responsible for maintaining and enhancing the county's all-hazards emergency plan for the coastal county of 270,000. The Galveston County Office of Emergency Management is the only emergency management office in the United States that is co-located with a local office of the National Weather Service.

Following a successful career as a newspaper editor in Florida, New Jersey and Texas, Simsen joined the Galveston County Office of Emergency Management in 1997 to assist with the county's emergency management and public education programs. Since then he has played a major role in the preparedness, response, and recovery activities associated with four tropical storms, three hurricanes, and countless other weather events affecting the Upper Texas Coast, most recently Hurricane Humberto in September 2007.

Simsen has been actively involved in pursuing local and regional strategies to improve evacuation of the Galveston County area through the Houston metropolitan region. In addition to chairing the county's Cooperative Emergency Management Program encompassing 13 municipalities, Simsen has helped draft regional plans to more effectively evacuate the Galveston-Houston region in advance of a catastrophic hurricane and to ensure the safe relocation of thousands of special-needs citizens out of the surge zone.

A 1978 graduate of the University of Florida, Simsen is the vice-chairman of the Regional Homeland Security Coordinating Council for the Houston-Galveston region and the former chairman of the Galveston County Cooperative Public Education Committee. He serves on the Coastal Planning and Public Information Committees of the Emergency Management Association of Texas. He and his wife, Adriana, and daughters Jenna and Julia reside in Dickinson, Texas.

**RICK KNABB  
SENIOR HURRICANE SPECIALIST  
NATIONAL HURRICANE CENTER**

Dr. Richard Knabb was born near Chicago in Elmhurst, Illinois but spent most of his childhood in Fort Lauderdale, Florida and in Houston, Texas. He graduated from Purdue University with a Bachelor of Science degree in Atmospheric Science, and he earned Master of Science and Doctoral degrees in Meteorology from Florida State University. He completed postdoctoral work at the University of Hawaii during 1999 and 2000, and spent several months in 2001 working for Risk Management Solutions, Inc. in California. He joined the National Hurricane Center (NHC) in Miami, Florida later in 2001 as their Science and Operations Officer. Since April 2005 he has been a Senior Hurricane Specialist at NHC, where his activities include operational hurricane forecasting, product development, outreach and education, and applied research.

**BRYAN NORCROSS**  
**CBS4 MIAMI HURRICANE SPECIALIST**  
**CBS NEWS HURRICANE ANALYST**

Bryan Norcross literally “talked South Florida through” Hurricane Andrew in 1992 and, since that time, his level-headed advice, professional presence and measured delivery have earned him the trust of South Florida television viewers.

As Hurricane Specialist for WFOR, CBS4, in Miami, Bryan serves as Executive Producer for the station’s hurricane specials, is intimately involved in station hurricane planning, and leads CBS4’s round-the-clock coverage whenever a storm threatens South Florida. He also works closely with the CBS4 weather team to maintain the station's state-of-the-art forecasting and meteorological capabilities.

In addition, Bryan is the on-air Hurricane Analyst for CBS News in New York, appearing frequently during hurricane season on CBS News programs including the CBS Evening News with Katie Couric. Bryan also appeared frequently as the primary fill-in weatherman on the CBS Early Show with Bryant Gumbel.

Bryan was named Expert Advisor to the Academic Task Force on Hurricane Catastrophe Insurance by Florida State Treasurer and Insurance Commissioner Bill Nelson, and a member of the Governor’s Committee to evaluate state response and recommend changes to the state emergency system by Governor Lawton Chiles.

In appreciation for his work before, during and after Hurricane Andrew, Bryan received the 1993 David Brinkley Award for Excellence in Communication. He was also publicly recognized with designations of Bryan Norcross Days in Miami, Miami Beach, and Ft. Lauderdale, among other cities. In addition, he’s the recipient of an Emmy Award from the Suncoast Chapter of the National Association of Arts and Sciences, and the DuPont and Peabody awards, the highest awards given in broadcasting.

Bryan serves as Honorary Chairman of the Board of the South Florida Hurricane Warning museum project in Deerfield Beach. In addition he has recently served on the Board of Directors of the Wolfsonian Museum on Miami Beach.

Bryan’s comprehensive hurricane guide called “Hurricane Almanac 2006” was released by St. Martin’s Press in July 2006. The book covers hurricane science, history, preparedness and more. A follow-up edition will be released in the Spring of 2007.

Bryan has a Bachelor of Science degree in Math and Physics and a Master of Science degree in Communications and Meteorology from Florida State University. In addition Bryan received an Honorary Doctor of Public Service degree from Florida International University. A resident of Miami Beach, Bryan has lived in Florida most of his life.

**NANETTE LOCKWOOD, PE**  
**DIRECTOR OF LEGISLATIVE AFFAIRS**  
**SOLUTIA INC.**

Nanette brings over 14 years of engineering experience to her position as the Director of Legislative Affairs at Solutia Inc, where her responsibilities include working within the legislature in coastal states to bring about the adoption of statewide building codes in the US. To date Nanette has helped move legislation through the state of Louisiana that adopted a statewide code in 2006, and is currently working in Mississippi and Alabama. Nanette is also working in Congress to provide incentives for states to adopt minimum mandatory statewide building codes.

Most recently Nanette held the position of director of building codes and engineering at the Institute for Business & Home Safety (IBHS), an insurance trade organization. Her responsibilities included strengthening building codes to increase the resistance of structures to natural disasters, managing research projects to support state adoptions of building codes, developing and executing educational programs related to changes in state building codes, and coordinating multi-industry efforts to increase usage and availability of code approved hurricane resistant materials and products.

Nanette’s career experience also includes engineering design, construction management and environmental remediation.

Nanette earned a Bachelor's degree in Mechanical engineering and a Master's degree in Environmental Engineering from the University of South Florida, and is currently attending Concord Law School.

**LESLIE CHAPMAN-HENDERSON  
PRESIDENT/CEO**

**FEDERAL ALLIANCE FOR SAFE HOMES, INC. - FLASH<sup>®</sup>**

Leslie Chapman-Henderson is President/CEO of the Federal Alliance for Safe Homes, Inc. - FLASH<sup>®</sup>, a national, non-profit corporation founded in 1998 by a collaborative of non-profit, private and public organizations dedicated to strengthening homes and safeguarding families from disaster. Today, FLASH is the fastest growing disaster safety organization in the United States with more than 90 partners, including FEMA, Georgia Pacific, Institute for Business & Home Safety, International Code Council, Mercedes Homes, NOAA, NeighborWorks, The Home Depot and Home Depot Foundation, State Farm, Texas Tech Wind Science & Engineering, University of Florida, USAA and Texas Department of Insurance.

Ms. Chapman-Henderson and the Federal Alliance have championed the cause of code-plus construction methods through creation of Blueprint for Safety<sup>®</sup> (Blueprint) a program for homebuilders, homeowners and design professionals on disaster-resistant construction techniques.

Ms. Chapman-Henderson has been a pioneer in disaster mitigation for a decade, earning her national recognition. Some of her most recent accolades include the 2006 Texas Silver Spur Award for Public Education Excellence; 2006 Governor's Hurricane Conference Public Information/Education Award; 2005 National Hurricane Conference Outstanding Achievement in Public Awareness Award, 2005 National Weather Association Walter J. Bennett Public Service Award and the 2005 NOAA Environmental Hero Award.

Currently, Ms. Chapman-Henderson serves as a representative on the legislatively-created My Safe Florida Home Advisory Council. Her past service includes chair of the Florida Hurricane Catastrophe Fund Advisory Council for Florida Governor Charlie Crist, the FCC WARN Committee, trustee for the Florida Fire Service Foundation, consumer representative to the Louisiana Uniform Building Code Task Force and as vice chair for the Legislative Task Force on Long Term Solutions for Florida's Hurricane Insurance Market.

**DR. WILLIAM E. BAILEY, J.D., CPCU**

William E. Bailey is the director of the Hurricane Insurance Information Center (HIIC) in Jackson, MS. The Center was established to inform and educate consumers and the media regarding insurance issues in the aftermath of Hurricane Katrina. He is also special counsel to the Insurance Information Institute.

Bill served as the director of the first HIIC established in Miami, Florida following Hurricane Andrew in 1992. In 1999, he served as the director of the Tornado Insurance Information Center following the Oklahoma City Tornado. He was also appointed co-director of the Disaster Insurance Information Center in New York City following the World Trade Center and Pentagon attacks on September 11, 2001.

Bill has served as special counsel to the Insurance Information Institute, a national trade association representing the property/casualty industry since 1986.

For the last 12 years, he has hosted the syndicated talk radio program? It's Your Money! (What are you going to do with it?)?, which airs live, nationally every Sunday from noon to 2:00 P.M. (E.T.) on the National Radio Network.

A graduate of Harvard College (B.A. 1962), Harvard Law School (J.D. 1968) and the Union Graduate School and University (Ph.D. 1996), Bailey also received his CPCU designation in 1993.

In 1986, Bill joined the Insurance Information Institute as Special Counsel. He travels all across the United States appearing on live television and radio programs and speaking to a variety of audiences. He is a frequent lecturer at industry seminars and communications training sessions.

Bill is a member of The American Bar Association, The Massachusetts Bar Association, The Federation of Insurance and Corporate Counsel, The Defense Research Institute, and is past President and Chairman of the Massachusetts Defense Lawyers Association. He is also a member of the Board of Directors of the Norman Vincent Peale Foundation and President of the National Consumer Education Foundation.

**THOMAS R. KARL  
DIRECTOR, NOAA'S NATIONAL CLIMATIC DATA CENTER  
UNITED STATES DEPARTMENT OF COMMERCE**

Thomas R. Karl was born and raised in Evergreen Park, Illinois. He received his B.S. degree in Meteorology from Northern Illinois University, DeKalb, Illinois in 1973, his Masters Degree from the University of Wisconsin, Madison in 1974, and was awarded an honorary Doctorate of Humane Letters from North Carolina State University in 2002.

Dr. Karl is the Director of NOAA's National Climatic Data Center in Asheville, North Carolina, and is NOAA's Program Manager for Climate Observations and Analysis. He has served and continues to serve on a variety of National Research Council Committees. He Co-Chairs NOAA's Data Management Committee. Dr. Karl is a frequent contributor to various news outlets. He has frequently briefed members of Congress and provided testimony on issues related to Climate Change. He has also briefed various members of the Executive Branch including the Presidents. 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 ended his term in 2006.

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 Scientist of the 1990s. His articles address climate, climate variability, and climate change. He has also served as Editor of the *Journal of Climate* (1997-2000) and Lead Author, Coordinating Lead Author, and Review Editor of several IPCC reports, Co-Chair of the US National Assessment of Climate Change and Variability and recently completed the first Climate Change Science Program Synthesis and Assessment Report on Temperature Trends. He was part of the IPCC process that received the 2007 Nobel Peace Prize. Dr. Karl has also served as Editor or Contributor to a number of commercial textbooks on topics ranging from the 1988 U.S. drought to climate and biodiversity.

**ARTHUR ROLLE  
DIRECTOR  
BAHAMAS METEOROLOGICAL SERVICES**

Mr. Arthur W. Rolle is the Director of The Bahamas Meteorological Services and Permanent Representative of The Bahamas with the World Meteorological Organization (WMO). In addition to his Meteorological expertise, he serves as Chairman of the National Climate Change Committee of the Bahamas Environment, Science and Technology (BEST) Commission. He is a Fellow of the Royal Meteorological Society and a Member of the Expert Group on Technology Transfer (EGTT) and has also served as a Member Consultative Group of Experts (CGE) of the United Nations Framework Convention on Climate Change (UNFCCC).

Mr. Rolle received his academic training, locally at St. John's College, and later at the University of the West Indies, Cave Hill, Barbados where he earned a Bachelor of Science Degree with Honors in Mathematics and Meteorology. A recipient of a British Chevening Award from the British High Commission, he successfully completed a Master's Degree in Applied Meteorology and Climatology at the University of Birmingham in the United Kingdom. He received his management training at the Public

Service Centre for Human Resource Development and at the INCAE training institute in Nicaragua. Professional training at the Technique Development Laboratory at the National Oceanic and Atmospheric Administration in Silver Springs, Maryland in the United States under the guidance of Dr. Wilson Shaffer and Chester Jelesnianski provided him with the opportunity to complete a Storm Surge Atlas for the Northwest and Central Bahamas including New Providence and Vicinity.

In his capacity as Chairman of the Climate Change Committee, Mr. Rolle has represented The Bahamas at numerous international meetings. He has also served as contributing author to the Bahamas' First National Communication.

**TOM KNUTSON**  
**RESEARCH METEOROLOGIST**  
**GEOPHYSICAL FLUID DYNAMICS LABORATORY**

Tom Knutson has been a Research Meteorologist at the Geophysical Fluid Dynamics Laboratory (GFDL) in Princeton, New Jersey since 1990. GFDL, which is part of the National Oceanic and Atmospheric Administration, is one of the world's leading climate modeling centers. Mr. Knutson has authored several major studies in leading scientific journals on the potential impact of climate change on hurricanes. He now heads a project at GFDL aimed at simulating past and future Atlantic hurricane activity using regional high-resolution models.

He currently serves as Co-Chair of the World Meteorological Organization (WMO) Expert Team on Climate Impacts on Tropical Cyclones, and was a key contributor to the December 2006 WMO "Statement on Tropical Cyclones and Climate Change".

He is a lead author on the upcoming U.S. Climate Change Science Program (CCSP) assessment report on "Weather and Climate Extremes in a Changing Climate"; a member of the American Meteorological Society's (AMS) Climate Variability and Change Committee; and an Associate Editor of the Journal of Climate.

In January of this year, Mr. Knutson received the AMS Editor's Award for his review efforts with the Journal of Climate. A frequent invited speaker on hurricanes and climate change at science meetings and workshops, universities, and in the private sector, he has over 35 peer-reviewed science publications.

**STU OSTRO**  
**SENIOR DIRECTOR OF WEATHER COMMUNICATIONS**  
**THE WEATHER CHANNEL**

A native of Somerville, N.J., Mr. Ostro had a fascination with the weather by the age of 3. Thanks to a phobia of thunder and lightning, the desire to be a meteorologist was firmly established!

Nearly 30 years ago while attending Pennsylvania State University, Stu began delivering weather forecasts to the public, via radio stations served by the university's Campus Weather Service.

Upon receiving his B.S. in Meteorology, Stu's professional career ensued at AccuWeather as a Forecaster, then a Senior Forecaster. His responsibilities included giving weather forecasts live and on tape to radio stations, as well as providing predictions to clients in the television, utility, and ski industries.

Since 1989, Stu has been with The Weather Channel and his current duties as Senior Director of Weather Communications include leading the team of severe weather, hurricane, and climate experts at The Weather Channel. Stu says, "Given my lifelong fascination with the weather, it's truly a thrill to be working with this group."

He began appearing on-camera occasionally during major storms in the early 1990s, including such historic events as the Halloween Storm of 1991 (on which the bestseller, The Perfect Storm is based), Hurricane Andrew, and the Superstorm of March 1993. Since then he has imparted analysis to viewers during many hurricanes and other weather scenarios. These days, he's responsible for many behind-the-scenes aspects of weather coverage on the network, including being meteorological advisor for the shows "Storm Stories" and "100 Biggest Weather Moments." Stu also is a featured contributor to The Weather Channel blog.

In 1995, The Weather Channel sent Stu to the Great Plains for the filming of a documentary on storm chasers. He is featured in it (the crew witnessed three tornadoes and experienced hail larger than baseballs), and has appeared in a number of other programs produced by The Weather Channel.

Stu has participated in The Weather Channel initiative WeatherREADY and other content for many projects such as Storms of the Century. He writes articles about various topics for weather.com and USA Weekend, and has given many talks to the public and representatives from the media and emergency management.

**DR. WILSON SHAFFER  
METEOROLOGICAL DEVELOPMENT LABORATORY  
NOAA'S NATIONAL WEATHER SERVICE**

Dr. Shaffer received his Ph.D. from Drexel University in the area of atmospheric physics. He currently heads NOAA's National Weather Service's Evaluation Branch, located in Silver Spring, MD. In addition to developing, applying, and displaying statistical measures to verify NWS new digital forecasts, this branch developed several operational storm surge forecasting models, including the Sea, Lake, and Overland Surges from Hurricanes (SLOSH) model. The SLOSH model is being used extensively by Federal, state, and local governments as the basis for comprehensive hurricane evacuation planning. Dr. Shaffer is currently involved in modeling storm surges generated by extratropical (winter) storms and with coastal waves.

Dr. Shaffer began storm surge modeling in 1980 and has been involved in all aspects of the SLOSH model since that time. He wrote an early computer-generated program to assist users in viewing SLOSH model results, combining vast amounts of computer output into more usable graphical products. This program has been updated and is available to U.S. emergency managers and NWS forecasters. Dr. Shaffer regularly teaches portions of the FEMA course, "Introduction to Hurricanes," designed to aid coastal emergency managers, and held at the National Hurricane Center.

Dr. Shaffer has been involved in several NOAA Disaster Surveys. These post-storm surveys are designed to evaluate and improve the NWS's forecast, response, and dissemination procedures.