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“FROM SENSORS TO CITIZENS: PUBLIC WARNING IN THE 21ST CENTURY”

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Speakers

ART BOTTERELL

Art Botterell has more than thirty years experience in emergency communications and mass media. He has served on the national Emergency Response Team of the Federal Emergency Management Agency (FEMA) and with the California Governor’s Office of Emergency Services. More recently he has consulted with public-safety and emergency-management agencies in the U.S. and Asia. Mr. Botterell has taught crisis communications practices and systems at FEMA’s Emergency Management Institute and the California Specialized Training Institute, and has written and lectured extensively in the U.S. and abroad. He designed and built the State of California’s “Emergency Digital Information Service” (EDIS) and its “Y2K” media information center, and engineered FEMA’s “Recovery Channel” in Washington, D.C. and various disaster-stricken areas. In private industry Mr. Botterell has produced award-winning Internet communications for corporate clients including Microsoft and Proctor & Gamble. He is the convener and chair of the Common Alerting Protocol (CAP) Working Group, chair of the OASIS Emergency Management XML Subcommittee on Notification Methods and Messages, and a founding Trustee of the Partnership for Public Warning. He is also a Research Associate of the Centre for Policy Research in Science and Technology at Simon Fraser University in Vancouver, British Columbia. He has been a member of the founding Board of Trustees for the Partnership for Public Warning.

MICHAEL BROWN

Michael D. Brown was nominated by President George Bush as the first Under Secretary of Emergency Preparedness and Response (EP&R) in the newly created Department of Homeland Security in January 2003. Mr. Brown coordinates federal disaster relief activities, including implementation of the Federal Response Plan, which authorizes the response and recovery operations of 26 federal agencies and departments as well as the American Red Cross. He would also oversee the National Flood Insurance Program and the U.S. Fire Administration, and initiate proactive mitigation activities. Additionally, as Under Secretary, Mr. Brown will help the Secretary of Homeland Security ensure the effectiveness of emergency responders, and direct the Strategic National Stockpile, the National Disaster Medical System and the Nuclear Incident Response Team. Previously, Mr. Brown served as FEMA’s Deputy Director and the agency’s General Counsel. Shortly after the September 11th terrorist attacks, Mr. Brown served on the President’s Consequence Management Principal’s Committee, which acted as the White House’s policy coordination group for the federal domestic response to the attacks. Later, the President asked him to head the Consequence Management Working Group to identify and resolve key issues regarding the federal response plan. In August 2002, President Bush appointed him to the Transition Planning Office for the new Department of Homeland Security, serving as the transition leader for the EP&R Division. Mr. Brown currently chairs the National Citizen Corps Council, part of the President’s USA Freedom Corps volunteer initiative. Prior to joining FEMA he practiced law in Colorado and Oklahoma, where he served as a bar examiner on ethics and professional responsibility for the Oklahoma Supreme Court and as a hearing examiner for the Colorado Supreme Court. He had been appointed as a special prosecutor in police disciplinary matters. While attending law school he was appointed by the Chairman of the Senate

Finance Committee of the Oklahoma Legislature as the Finance Committee Staff Director, where he oversaw state fiscal issues. His background in state and local government also includes serving as an assistant city manager with emergency services oversight and as a city councilman. A native of Oklahoma, Mr. Brown holds a B.A. in Public Administration/Political Science from Central State University, Oklahoma. He received his J.D. from Oklahoma City University's School of Law. He was an adjunct professor of law for the Oklahoma City University.

BARBARA CHILDS-PAIR

Barbara Childs-Pair currently serves as the Deputy Director of the District of Columbia Emergency Management Agency. She has been with the agency for 29 years. Her responsibilities include planning, directing, coordinating, evaluating and managing all activities associated with deployment during emergency and disaster incidents. Ms. Childs-Pair began her career in 1973 with the Office of Civil Defense, now the D.C. Emergency Management Agency, as a Clerk Typist. She held several positions within DCEMA to include Administrative Aide, Chief of Plans and Training, Chief of Operations, Deputy Director of Emergency Operations, and Deputy Director of the agency from 1995 to 1999 and returning to the position in 2000. During her tenure at DCEMA she has participated in seven presidential inaugurations, the 1982 Air Florida and simultaneous metrorail crashes and major snow storm, the 1977 hostage incident at the Wilson Building, the Million Man March, obtained 5 Presidential Disaster declarations, and provided coordination of other major events in the District of Columbia, to including several International Monetary Fund/World Bank demonstrations. Ms. Childs-Pair served as the chief planner for the District of Columbia Government in its mitigation and preparedness efforts for the Year 2000 (Y2K) potential technology interruptions/failures to ensure continuity of government operations. Of course the incidents of September 11th has once again highlighted the importance of emergency management. Since that date, just one year later, Ms. Childs-Pair assisted with the development of the District Response Plan, which reflects the functional aspects of the Federal Response Plan, to ensure the coordination and communications within District Government, but also with the numerous Federal agencies, schools and universities, business and industry, as well as the community component. She has served on the regional and local Health and Medical Bioterrorism Task Force, National Pharmaceutical Stockpile Task Force, and is a member of the National Emergency Management Association and Black Public Administrators. She attended Talladega College in Talladega, Alabama, majoring in biology.

TOM FITZPATRICK

Thomas Fitzpatrick is currently a consultant with Giuliani Partners. Prior to his current position he spent 34 years with the New York City Fire Department where he was the Deputy Commissioner for Administration. His responsibilities included construction and maintenance of 300 facilities including fire and ambulance stations, administrative, support and training facilities procurement and maintenance of the Department's fleet of 1600 sedans, firefighting vehicles, ambulances and support vehicles and management of the department's technology assets, fiscal services and training programs. Among his accomplishments are the following:

- Coordinated Interagency planning meetings in joint operations center for consequence management of the World Trade Center disaster.
- Coordination the Fire Department's "emergency declaration" following catastrophic building failure for migration to a temporary site and then permanent facility without missing emergency calls.
- Design, coordination and management of the Fire Department's Y2K contingency rollover planning and operations.
- Authored, refined and facilitated the Mayoral Order establishing the Mayor's Office of Emergency Management. designed to ensure the optimum use of agency resources while at the same time

- eliminating conflict among agencies which may have overlapping expertise and responsibility
- Feasibility, acquisition and development of Fort Totten (former military base) for use as a fire training academy, public park and national historic property.

He is a member of the International Association of Fire Chiefs (IAFC), National Fire Protection Association (NFPA), International Association of Emergency Managers (IAEM), National Emergency Managers Association (NEMA), and the Project Management Institute (PMI).

GILBERT JAMIESON

Gil H. Jamieson is currently the Director, Program Coordination Division, and Office of National Preparedness, Federal Emergency Management Agency. Mr. Jamieson has served twenty-five years of his professional career in emergency management and related fields. Mr. Jamieson has held national level positions with the Federal Emergency Management Agency (FEMA) since 1979. During this time he has managed Disaster Assistance Programs, served the Agency Director on program analysis and evaluation issues and also held key management positions in the Office of Chief Financial Officer, the Inspector General and the Federal Insurance and Mitigation Administration. Following a major reorganization within the Agency in 1999, which created the Mitigation Directorate, Mr. Jamieson was designated Chief of Risk Assessment. His responsibilities in this capacity included directing risk assessment and hazard vulnerability analysis for all natural and technological hazards including: flood, earthquake, hurricane and dam safety. Mr. Jamieson was a principal architect and directed the development of a nationally applicable loss estimation methodology. The results of the assessments produced through this methodology continue to serve as the basis for Federal, State and local mitigation strategies and initiatives.

In 1998, at the request of the Associate Director for Mitigation, Mr. Jamieson was assigned to design and establish a Planning Branch within the Directorate. Primary responsibilities included implementing new legislation through the development and oversight of new programs and through the formulation of national planning strategies and policies for use by State and local governments. These programs were designed to address both pre and post disaster periods and address long-term economic recovery efforts. Currently Mr. Jamieson is the Director of the Program Coordination Division in FEMA's Office of National Preparedness. In this role he is responsible for establishing an organization and directing a team of experts that will coordinate all Federal programs to ensure State and local governments are better prepared to handle the consequences of a terrorist event. He is a principal advisor to the Director of National Preparedness on all national preparedness issues for consequences management. Mr. Jamieson earned a Bachelor of Arts degree in Public Administration from Western Michigan University holds a Master of Arts degree from the Catholic University of America and is a graduate of the Industrial College of the Armed Forces (ICAF). He currently resides in Annandale, Virginia with his wife, Maureen, and their three children: Emily, Mark and Kyle.

ELIZABETH KLUTE

Elizabeth Klute is the Community Warning System Manager for the Contra Costa County Office of the Sheriff, Emergency Services Division, Contra Costa County, California. She has over eighteen years experience in the transportation industry, all phases of emergency management, system engineering and application development. As the Community Warning System (CWS) Manager, Ms. Klute is working with a cross-county departmental, cross-agency public and private entity team to enhance and upgrade the CWS to current technology and an all-hazard, all-county warning program. In 1989 Ms. Klute founded TransporTech-Inc. and worked with the county to introduce and support geographic information systems (GIS) and emergency management systems (EIS) for the Sheriffs Office; develop the Countywide GIS

Program for Public Works; introduce and support mapping, and in-vehicle response systems for County Fire. She has also managed the traffic network at the high-tech Traffic Systems Management Center - very similar to a disaster-warning center - in Seattle, Washington, and initiated the Professional Services Market for Disaster and Emergency Response during a six-year stint with Environmental Systems Research Institute (ESRI) from 1994-2000. Her 1999 In-Vehicle Fire Response System won the international competition for *Innovation of Technology for the Public Good*, known as the *Global Bangemann Award* out of Stockholm, Sweden. She also spent five years as a paid-call firefighter in San Bernardino County!

CONRAD C. LAUTENBACHER, JR.

A native of Philadelphia, Pa., and a graduate of the U.S. Naval Academy (Class of '64), Vice Admiral Lautenbacher has served in a broad range of operational, command and staff billets. Operational tours include Division Officer in USS WASP (CVS-18), and USS HENRY B. WILSON (DDG-7), a second tour on the USS HENRY B. WILSON (DDG-7) as Department Head, and Executive Officer of USS BENJAMIN STODDERT (DDG-22). Areas of expertise include Anti-submarine Warfare, Anti-air Warfare, and Naval Surface Fire Support, with expertise gained during a number of deployments to the Western Pacific and Southeast Asia during the Vietnam War. Command experience includes tours as Commanding Officer of USS HEWITT (DD-966), Commander Naval Station Norfolk, Commander of Cruiser-Destroyer Group Five with additional duties as Commander, U.S. Naval Forces Central Command Riyadh, during Operations Desert Shield and Desert Storm, where he was in charge of Navy planning and participation in the air campaign. As Commander U.S. Third Fleet, he introduced Joint training to the Pacific with the initiation of the first West Coast Joint Task Force Training Exercises (JTFEXs). A leader in the introduction of cutting edge information technology, he pioneered the use of information technology to mount large-scale operations using sea based command and control. He was the architect of the USS CORONADO transformation to a prototype Joint Command and Control ship (JCC), a founding father of the current Fleet Battle Experiment program, and originator of the Sea Based Battle Laboratory concept for significantly reducing the time to move technology to the fleet. Staff duties include higher education as well as significant assignments in senior management. Vice Admiral Lautenbacher attended Harvard University receiving MS and Ph.D. degrees in Applied Mathematics. He was selected as a Federal Executive Fellow and served at the Brookings Institution. He served as a guest lecturer on numerous occasions at the Naval War College, the Army War College, the Air War College, The Fletcher School of Diplomacy, and the components of the National Defense University. As a Cost Analyst in OSD Systems Analysis, he became an expert in building cost estimating models for major acquisition programs with specialization in aircraft R&D and procurement. He was one of the original members of the Cost Analysis Improvement Group (CAIG) independent cost estimating effort. As Assistant for Strategy with the CNO Executive Panel, and Program Planning Branch Head in the Navy Program Planning Directorate, he continued to hone his analytic skills resulting in designation as a specialist both in Operations Analysis and Financial Management. As a Flag Officer he served as Deputy Chief of Staff for Management/Inspector General on the staff of Commander in Chief U.S. Pacific Fleet; and Director of Force Structure, Resources, and Assessments (J-8) on the Joint Staff, where he contributed to the development of the Base Force and was a prime architect of the Bottom Up Review military force structure. He also served as director, Office of Program Appraisal, on the Staff of the Secretary of the Navy and his last assignment on active duty was Deputy Chief of Naval Operations (Resources, Warfare Requirements and Assessments) personally responsible for developing the Navy Future (five) Years Program and \$80B annual budget. These positions resulted in the development of significant expertise in federal government processes within both the Executive and Legislative branches. After transitioning to the civilian sector, he formed his own management consultant business, and worked principally for Technology, Strategies & Alliances Inc. He was President and CEO of the Consortium for Oceanographic Research and Education (CORE) before joining NOAA Monday, Dec. 10, 2001. This not-

for-profit organization has a membership of 65 institutions of higher learning, and a mission to increase basic knowledge and public support across the spectrum of ocean sciences.

DAVE LIEBERSBACH

Dave Liebersbach is currently the Director, Alaska Division of Emergency Services. He was hired as Chief of Staff for the Alaska Division of Emergency Services in October 1996 and was appointed to his current position of Division Director in February of 1999. Concurrent with his position as ADES Director Dave currently serves as the Chairman of the Board of Directors for the Western States Seismic Policy Council and on the interim Board of Trustees for the newly formed Partnership for Public Warning Institute. Before joining ADES, Liebersbach worked in Fairbanks for the Bureau of Land Management's (BLM) Alaska Fire Service and Arctic District. Liebersbach was born in 1946 in Red Bluff, California, where he was raised and graduated from high school. He entered the University of California, Berkeley in September of 1964, but it was during the summers of 1963-64 that Dave had his first jobs as a wildland firefighter with the California Department of Forestry and embarked on what would become his first career. He enlisted in the Army in October of 1965 and, after duty in Vietnam and with the Military Police in Oakland, California, was discharged in 1968. Dave first came to Alaska for the summer of 1965 to do construction work in the wake of the 1964 earthquake. After fulfilling his military duties and a short return to college in California in 1969, he returned to Alaska in April of 1970 as a smokejumper for the BLM in Fairbanks and has worked in Alaska ever since. During his career with the BLM, he served in numerous positions from smokejumper to Fire Management Officer and most recently as a Supervisory Natural Resource Specialist. While with the BLM he was stationed in locations throughout Alaska including Bettles, Anchorage, McGrath, Kenai, Galena, Lake Minchumina, Kotzebue, and Dahl Creek. While with the BLM, Liebersbach served as the Incident Commander on Alaska's National Type 1 Interagency Incident Management Team for 12 years and led fire fighting efforts in Alaska, Idaho, Montana, South Dakota, California, Nevada, Oregon, Washington, Wyoming, and in the Canadian provinces of Alberta, Ontario and the Yukon. He also served as Incident Commander on the Kenai Peninsula for the 1989 Exxon Valdez oil spill, with DES during the 1994 Koyukuk and 1995 Southcentral Storm floods and, most recently, during the 1996 Miller's Reach Fire at Big Lake. On his own time, Liebersbach taught fire management courses at the University of Alaska, Fairbanks in the Natural Resources Management and the Fire Science programs. For the decade of 1990-99 he instructed in advanced incident management courses at the Advanced Resources Technology Center in Arizona. Dave has traveled extensively throughout Western Europe, behind the Iron Curtain, Turkey, North Africa, South America, Japan, the Cook Islands, Mexico and Canada. He also sailed his 32-foot sailboat "TANADA" ('great wind over the water') to French Polynesia and back. He currently lives in Chugiak, Alaska with his wife, Lora Harbo, and their two children, Tamiah and Sam. He is the recipient of numerous awards and honors.

FRANK LUCIA

Frank Lucia retired from the Federal Communications Commission (FCC) after having served 36 years. He started with the Commission in 1964 after graduating with a B.S. Degree in Electrical Engineering from the University of Pittsburgh. He served in various positions at the Commission including: Senior Project Engineer in the Laboratory and Research Divisions; Chief of the Communications Operations Branch for the Emergency Broadcast System (EBS); Director, Emergency Communications; and Special Advisor, Emergency Alert System (EAS). His early years at the Commission involved field research of land mobile communications, radio signal propagation, and the development of TV propagation and interference curves. He served in the Navy Communications Group during the Vietnam War. For 24 years he was involved in the EBS and EAS. He managed the FCC's role in the Broadcast Station Protection Program (BSPP), a program to protect broadcast facilities during emergencies. He developed the idea of the Primary Entry Point (PEP) system for the National level EBS. He also served as a

Commission representative to several Federal government preparedness groups. He assisted in the five year development of the EAS including the field testing of alerting systems, development of the Commission's EAS proceedings, and the authorship of 47 C.F.R. Part 11, Emergency Alert System. He received several awards from both government and industry for his achievements. Frank is married to Elizabeth Lucia and has two children, two stepchildren and two grand children.

JOHN MERRELL

From 1986-1993 Mr. Merrell was with Eastman Kodak, initially involved in the launch of consumer 8mm camcorders, and later a Digital Imaging Electronics Director managing commercial and military imaging applications. From 1993-2000 he was a National Accounts Manager for Panasonic, initially involved with the 3DO compression and interactive video project, and for the last five years with development of professional audio, video, broadcast, and surveillance equipment for large scale projects such as Las Vegas casinos, theme parks, and Fortune 50 companies. For the past three years, Mr. Merrell has been the Product Planning and Development Manager with THOMSON, the parent company of Technicolor, Grass Valley, RCA, and Atlinks. He is currently managing products built worldwide from multiple suppliers, and the development program for Alert Guard TV project ---- the first TV series to integrate an all-hazard alert system into televisions. A member of IAEM, and also the CEA R3 Working Group and CEA TV Manufacturers Caucus setting the technical standards for electronic receiver devices with the all hazard alert system.

DON MILLER

Don Miller is the Telecommunications and Warnings Systems Manager for Washington State Emergency Management with over 32 years experience in Telecommunications Engineering and Management. He currently has the responsibility for the operation and maintenance of statewide networks to include the Emergency Alert System, Microwave, Multiple Radio systems, Wide Area and Local Area Networks, Telephone systems and Satellite networks. He manages 8 other employees and an annual budget in excess of \$4 million. Washington State is faced with the possibility of every disaster in the EAS events list with the exception of a hurricane. Mr. Miller has the task of not only warning the public in harms way, but for coordinating communications for the responding emergency management staff on a statewide basis.

ROSITA O. PARKES

Rosita O. Parkes was appointed FEMA's Chief Information Officer in September 2002. In this position Ms. Parkes manages and operates FEMA's information technology and telecommunications systems, and provides information technology and telecommunications services to FEMA and other federal, state and local agencies when required. Previously she served as the Deputy Chief Information Officer and Deputy Assistant Director for the Information Technology Services Directorate. Prior to joining FEMA, Ms. Parkes was the Chief Information Officer for the Defense Commissary Agency, responsible for information technology plans, policy, oversight and budget. She was also responsible for design, development, acquisition and implementation of all communication and computer systems throughout the agency. Ms. Parkes entered civil service as a computer intern in 1970 and has worked in both automation and operations research areas. Her past assignments include: computer programming at the Information Center, Fort Bliss, Texas; design, development, maintenance and deployment of standard Army base-level support systems for the Computer Systems Command, Fort Eustis, VA; and analysis of training on the Army Skill Qualification Test for the Training Support Center in Fort Eustis. In addition, she served as chief of the Systems Support Branch in the Directorate of Information Systems for the Army Troop Support Agency. In that agency, she became chief of the Commissary Systems Division, responsible for the agency's worldwide commissary systems. She received the Commander's Award for Superior

Civilian Service in 1990 and 1996 and the Distinguished Civilian Service Award in 2001. A native of Santa Fe, N.M., she holds a bachelor's degree in mathematics from the New Mexico Institute of Mining and Technology and a master's degree from the Florida Institute of Technology.

SCOTT RAYDER

Scott Rayder was appointed NOAA Chief of Staff in December 2001. His duties as Chief of Staff include staffing the NOAA Administrator for nearly all of his meetings and trips, briefing and coordinating the NOAA political appointees, reviewing all documents for the NOAA Administrator, briefing the NOAA Administrator on all pertinent issues, and supervising the NOAA headquarters staff. NOAA is responsible for all U.S. weather and climate forecasting, monitoring and archiving of ocean and atmospheric data, management of marine fisheries and mammals, mapping and charting of all U.S. waters, coastal zone management, and research and development in all of these areas. NOAA is the largest part of the Department of Commerce and manages the U.S. operational weather and environmental satellites, a fleet of ships and aircraft for oceanographic, surveying, fisheries, coastal, and atmospheric studies, twelve environmental research laboratories, and several large supercomputers. Mr. Rayder's background and experience have well prepared him for his current position as NOAA Chief of Staff. He has previously worked at NOAA as a Constituent Affairs Specialist, a Congressional and Constituent Affairs Officer, and a Program Analyst and Budget Analyst for NOAA Research. Beyond NOAA, Mr. Rayder has extensive experience dealing with Congress on issues related to NOAA's mission. Previously he served as a Professional Staff Member for the House Committee on Science, and later he held the Senior Technology Policy Analyst position at the Heritage Foundation. Most recently he was the Director of Government Relations for the Consortium for Oceanographic Research and Education. Mr. Rayder graduated from Hamilton College in Clinton, New York in 1990. He earned his Masters of Public Administration from the Maxwell School of Citizenship and Public Affairs at Syracuse University with a concentration in defense and science and technology policy. He served as a Presidential Management Intern after graduate school, working as a legislative assistant in the Office of Senator Ben Nighthorse Campbell.

PAT ROBERTS

Pat Roberts is the President of the Florida Association of Broadcasters (FAB) based in Tallahassee, Florida. He has served the broadcast industry for the past sixteen years and during this time the association has grown to be the strongest state broadcast organization in the country. He also serves as the chairman of the Florida Emergency Communications Committee by appointment by the FCC and Governor. Mr. Roberts has helped develop numerous Public Service Campaigns dealing with subjects such as Pre-Natal Care, Early Childhood Programs, Environmental Issues, Hurricane Preparedness, Responsible Drinking, Highway Safety, Homeland Security and Learn to Read. Before joining the FAB, Mr. Roberts was also the Vice President of Eckerd College in St. Petersburg, Florida. For over ten years Mr. Roberts was a political and management consultant. His political consulting accounted for national, state and local elections. Today, Mr. Roberts is active in a number of charitable organizations. Including: Ounce of Prevention Fund of Florida, Cities and Schools, Kids Voting, Partnership for a Drug Free Florida and Seaside Interfaith Chapel. Mr. Roberts and his wife have two sons, Austin and Madison. He also has two grown daughters. Julie, works in the Bush Administration at the Department of Commerce and Amanda teaches school in Oxford, Mississippi. He is a Pensacola Florida native, and a graduate of East Texas Baptist University, Marshall, Texas.

BEN ROTHOLTZ

Ben Rotholtz is the General Manager for Products and Systems at RealNetworks. He is responsible for the application and market development of RealNetworks Helix encoding, encryption, distribution, broadcast management and playback technologies for security applications. Mr. Rotholtz was previously

responsible for Systems product management, which includes RealNetworks Server, Proxy, Producer, Intranet Administrator, DRM product lines as well as the codec, authoring, integration and SDK technologies. He also works extensively with the systems press and analyst communities. Mr. Rotholtz joined RealNetworks at the beginning of 1999 to manage Tools Engineering, Developer Relations and Media Systems Outbound Marketing. Prior to joining RealNetworks, Mr. Rotholtz was the group product manager at Adobe Systems for Adobe PageMaker and Adobe InDesign. He began his software career with Aldus Corporation in 1986. He attended Reed College and the University of Washington, and holds a Bachelor and Master of Arts degree. Mr. Rotholtz has been a member of the PPW founding Board of Trustees.

GREG SINK

Greg Sink is Vice President and General Manager for Federal Signal Corporation responsible for managing two companies that manufacture audible and visual warning products for industrial, commercial, and industrial market place worldwide. He has twenty-one years of experience working for Federal Signal Corporation in the capacity of engineering, product management, marketing, sales, business development, and general management. Mr. Sink designed audible signaling products for industrial indoor plant warning, vehicular warning for fire and emergency medical services, and outdoor warning devices. He holds two patents. He has over ten years experience responsible for delivering 3 year strategic plans to drive business results. His domestic and international competitive selling expertise includes the United States, Mexico, Latin America, Europe, Africa, Middle East, Far East and Asia. Mr. Sink has successfully managed two small businesses with full responsibility for profit and loss, management, marketing, sales, product/services, accounting, and staffing. He has been active in the National Fire Protection Association, the Society of Automotive Engineering, the Fire Apparatus Manufacturers Association, Ambulance Manufacturers Division. He has a BSEET from Purdue University, an MA from Northern Baptist Theological Seminary and an MBA from the University of Maryland. Mr. Sink joined PPW in April of 2002 to be one of many stakeholders involved in an effort to create a national strategy for public warning and notification.

LACY SUITER

Lacy Suiter has been an emergency management executive in federal and state governments since 1968. He has directed or coordinated major disasters in the United States since Hurricane Camille in 1969 through the initial days following the World Trade Center/Pentagon terrorist attacks on September 11, 2001; participated in international disaster mitigation or emergency operations in Brazil, Italy, Japan, the former Soviet Union to include Chernobyl and Armenia; Costa Rica; Switzerland and New Zealand; testified on behalf of NEMA, CUSEC, Tennessee and FEMA before the U. S. Congress. Mr. Suiter Served on the National Academy of Science's Board on Natural Disasters, the Advisory Board of the University of Colorado's Natural Hazards Center, the Peer Review Committee of the Yucca Mountain High-Level Radioactive Disposal Project; chaired the Latin American Partnership; chaired the Central United States Earthquake Consortium from 1983 to 1994; served as President of the National Emergency Management Association, 1984-1985 and NEMA's legislative committee from 1985 to 1994. Appointed FEMA's Associate Director for Response and Recovery in 1996. He managed and directed FEMA's planning and execution of the U. S. Government's response to major disasters and emergencies and the multi-billion dollar Individual and Public Assistance Disaster Programs authorized by the Robert T. Stafford Disaster Relief and Emergency Assistance Act; directed the consequence and emergency management programs of the President's Commission on Y-2K and other NSC responsibilities. His professional experience includes: Director, Emergency Operations, TEMA, 1968-1979; Deputy State Director, TEMA, 1979-1983; State Director, TEMA, February 23, 1983 – June 30, 1994; Special Assistant to the Director, State and Local Relations, FEMA, July 5, 1994 – October 4, 1994; Director, Office of Policy, Assessment and Regional Operations, FEMA, October 5, 1994 – September 30, 1996;

Executive Associate Director, Response and Recovery Directorate, FEMA, October 1, 1996 – June 6, 2001; Assistant Director, Readiness, Response and Recovery Directorate, FEMA, June 6 – September 30, 2001; retired, October 1, 2001 – present. His current activities include National Emergency Management Association Washington Liaison, US Naval Postgraduate School, Monterey, CA, Board of Trustees, Partnership for Public Warning, Washington and Washington based emergency management consultant. He has a Bachelor of Science in Business, Middle Tennessee State University, Murfreesboro, TN, 1966. Among his many awards are plaques and certificates from thirty-six states and governors. Lacy Suiter and his wife, Norma Jean, maintain dual residences in Alexandria, VA and Nashville, TN.

PETER WARD

Dr. Peter L. Ward was a founding member and Chair, Board of Trustees of the Partnership for Public Warning. He retired after 27 years at the U.S. Geological Survey where he was a leader in the National Earthquake Hazards Reduction Program. In 1997 and 1998, he chaired the Working Group on Natural Disaster Information Systems for the National Science and Technology Council at the White House, producing the widely acclaimed report *Effective Disaster Warnings*. He spent much of his career educating the public about natural hazards. In 1990, he received two national awards for writing and producing a magazine about living with earthquakes that was distributed as a Sunday supplement in 41 newspapers in northern California. This magazine reached 3.3 million households. He has a BA from Dartmouth in 1965 and a Ph.D. from Columbia in 1971. He enjoys skiing, rafting, canoeing, hiking and playing his piano, guitar, and accordion.