



Board Member Biographies



ADMIRAL HAROLD W. GEHMAN JR. (RETIRED)

Chairman, Columbia Accident Investigation Board. Formerly Co-Chairman of the Department of Defense review of the attack on the U.S.S. *Cole*. Before retiring, Gehman served as the NATO Supreme Allied Commander, Atlantic, Commander in Chief of the U.S. Joint Forces Command, and Vice Chief of Naval Operations for the U.S. Navy. Gehman earned a B.S. in Industrial Engineering from Penn State University and is a retired four star Admiral.



MAJOR GENERAL JOHN L. BARRY

Executive Director for the Columbia Accident Investigation. Director, Plans and Programs, Headquarters Air Force Materiel Command, Wright-Patterson Air Force Base, Ohio. An honors graduate of the Air Force Academy with an MPA from Oklahoma University, Barry has an extensive background as a fighter pilot and Air Force commander: Squadron, Group and two Wings. A trained accident investigator, Barry has presided or served on numerous aircraft mishap boards. He was a White House Fellow at NASA during the Challenger mishap and was the White House liaison for NASA, served as the Military Assistant to the Secretary of Defense during Desert Storm and was the director of Strategic Planning for the U.S. Air Force.



BRIGADIER GENERAL DUANE W. DEAL

Commander, 21st Space Wing, Peterson Air Force Base, Colorado. Currently in his eighth commander position in the U.S. Air Force, Deal has served on or presided over 12 investigations of space launch and aircraft incidents. Formerly a Research Fellow with the RAND Corporation and Fellow of the Harvard Center for International Affairs, he has flown seven aircraft types as an Air Force pilot, including the SR-71 Blackbird, and served as a crew commander in two space systems. Deal holds a B.S. in Physics and a M.S. in Counseling Psychology from Mississippi State University, as well as a M.S. in Systems Management from the University of Southern California.

JAMES N. HALLOCK, PH.D.

Manager, Aviation Safety Division, Volpe National Transportation Systems Center, Massachusetts. He has worked in the Apollo Optics Group of the MIT Instrumentation Lab and was a physicist at the NASA Electronics Research Center, where he developed a spacecraft attitude determining system. He joined the DOT Transportation Systems Center (now the Volpe Center) in 1970. Hallock received B.S., M.S. and Ph.D. degrees in Physics from the Massachusetts Institute of Technology (MIT). He is an expert in aircraft wake vortex behavior and has conducted safety analyses on air traffic control procedures, aircraft certification, and separation standards, as well as developed aviation-information and decision-support systems.



MAJOR GENERAL KENNETH W. HESS

Commander, Air Force Safety Center, Kirtland Air Force Base, New Mexico, and Chief of Safety, United States Air Force, Headquarters U.S. Air Force, Washington, D.C. Hess entered the Air Force in 1969 and has flown operationally in seven aircraft types. He has commanded three Air Force wings – the 47th Flying Training Wing, 374th Airlift Wing, and 319th Air Refueling Wing – and commanded the U.S. 3rd Air Force, RAF Mildenhall, England. Hess also has extensive staff experience at the Joint Staff and U.S. Pacific Command. He holds a B.B.A. from Texas A&M University and a M.S. in Human Relations and Management from Webster College.



G. SCOTT HUBBARD

Director of the NASA Ames Research Center, California. Hubbard was the first Mars Program Director at NASA Headquarters, successfully restructuring the program after mission failures. Other NASA positions include Deputy Director for Research, Director of NASA's Astrobiology Institute, and Manager of the Lunar Prospector mission. Before joining NASA, he was Vice President of Canberra Semiconductor and Staff Scientist at the Lawrence Berkeley National Laboratory. Hubbard holds a B.A. in Physics-Astronomy from Vanderbilt University, and conducted graduate studies at the University of California, Berkeley. Hubbard is a Fellow of the American Institute of Aeronautics and Astronautics.



JOHN M. LOGSDON , PH.D.

Director, Space Policy Institute, Elliott School of International Affairs, The George Washington University, Washington, D.C., where he has been a faculty member since 1970. A former member of the NASA Advisory Council, and current member of the Commercial Space Transportation Advisory Committee and the International Academy of Astronautics, Logsdon is a Fellow of the American Institute of Aeronautics and Astronautics and the American Association for the Advancement of Science, and was the first Chair in Space History at the National Air and Space Museum. He received a B.S. in Physics from Xavier University and a Ph.D. in Political Science from New York University.



DOUGLAS D. OSHEROFF, PH.D.

J. G. Jackson and C. J. Wood Professor of Physics and Applied Physics, Stanford University, California. A 1996 Nobel Laureate in Physics for his joint discovery of superfluidity in helium-3, Osheroff is also a member of the National Academy of Sciences and a MacArthur Fellow. Osheroff has been awarded the Simon Memorial Prize and the Oliver Buckley Prize. He received a B.S. from the California Institute of Technology and a Ph.D. from Cornell University.





SALLY T. RIDE, PH.D.

Professor of Physics, University of California, San Diego, and President and CEO of Imaginary Lines, Inc. The first American female astronaut in space, Ride served on the Presidential Commission investigating the Space Shuttle Challenger Accident. A Fellow of the American Physical Society and Board Member of the California Institute of Technology, she was formerly Director of NASA's Strategic Planning and served on the Space Studies Board and the President's Committee of Advisors on Science and Technology. Ride has received the Jefferson Award for Public Service and twice been awarded the National Spaceflight Medal. She received a B.S. in Physics, a B.A. in English, and a M.S. and Ph.D. in Physics from Stanford University.



ROGER E. TETRAULT

Retired Chairman and Chief Executive Officer, McDermott International. Tetrault has also served as Corporate Vice President and President of the Electric Boat Division and the Land Systems Division at General Dynamics, as well as Vice President and Group Executive of the Government Group at Babcock and Wilcox Company. He is a 1963 graduate of the U.S. Naval Academy and holds a MBA from Lynchburg College.



REAR ADMIRAL STEPHEN A. TURCOTTE

Commander, Naval Safety Center, Virginia. Formerly Commanding Officer of the Jacksonville Naval Air Station and Deputy Commander of the Joint Task Force Southwest Asia, Turcotte has also commanded an aviation squadron and served on the Joint Staff (Operations Division). A decorated aviator, he has flown more than 5,500 hours in 15 different aircraft and has extensive experience in aircraft maintenance and operations. Turcotte holds a B.S. in Political Science from Marquette University NROTC and masters degrees in National Security and Strategic Studies from the Naval War College, and in Management from Salve Regina University.



STEVEN B. WALLACE

Director, Office of Accident Investigation, Federal Aviation Administration, Washington, D.C. Wallace's previous FAA positions include Senior Representative at the U.S. Embassy in Rome, Italy, Manager of the Transport Airplane Directorate Standards Staff in Seattle, and Attorney/Advisor in the New York and Seattle offices. He holds a B.S. in Psychology from Springfield College and a J.D. from St. John's University School of Law. Wallace is admitted to legal practice before New York State and Federal courts, and is a licensed commercial pilot with multiengine, instrument, and seaplane ratings.



SHEILA E. WIDNALL, PH.D.

Institute Professor and Professor of Aeronautics and Astronautics and Engineering Systems, Massachusetts Institute of Technology (MIT), Massachusetts. Widnall has served as Associate Provost, MIT, and as Secretary of the Air Force. She is currently Co-Chairman of the Lean Aerospace Initiative. A leading expert in fluid dynamics, Widnall received her B.S., M.S., and Ph.D. in Aeronautics and Astronautics from MIT.

Board Member photographs by Rick W. Stiles

The launch of STS-107 on January 16, 2003.

