

CSVAT BIOGRAPHIES

Congressman Robert Walker, President, The Wexler Group

As a former Congressman, Chairman of the House Science Committee and long-time member of the House Republican leadership, Mr. Walker provides unparalleled insight and strategic counsel on global and national issues and his involvement in a broad range of policy activities gives him a particularly unique perspective.

As Chairman of the Science Committee he was a leading advocate for research and development, dealt closely with environmental and energy issues, promoted high technology initiatives for economic growth, and advanced the nation's space program, especially the whole arena of commercial space. His space leadership made him the first sitting House Member to be awarded NASA's highest honor, the Distinguished Service Medal. In addition to his role at Wexler, Mr. Walker serves on the Board of Trustees of the Aerospace Corporation, and the Board of Directors of DCH Technology, the United States Space Foundation and the Susquehanna Center for Public Policy.

Dr. David Boyle, Director, Commercial Space Center for Engineering

Dr. Boyle is the Director of the NASA Commercial Space Center for Engineering (CSCE) established at Texas A&M University. At the CSCE Dr. Boyle works with commercial partners to utilize NASA microgravity research assets such as the ISS. Prior to inaugurating the CSCE, Dr. Boyle served for five years as Deputy Director of the Center for Space Power, a NASA CSC also located at Texas A&M. In 1993, Dr. Boyle retired from 20 years active duty as a USAF officer.

Dr. Robert Dean, Vice President Strategic Planning and Business Development, United Space Alliance

Prior to joining USA, Dr. Dean was senior vice president and a member of the executive committee in charge of Advanced Business Development and Administration for Ball Aerospace & Technologies Corp. He was responsible for strategic planning, mergers and acquisitions, and international business development, and also supervised the corporation's departments of information management, human resources, public affairs, Washington, D.C. operations, facilities, and security departments.

Earlier, Dr. Dean served as general manager of Ball Space & Systems Engineering Division, responsible

for a full range of design, manufacturing, and integration skills to deliver spacecraft products & services. The Division also provided systems engineering and software-based services to federal and state agencies, prime contractors and commercial customers.

Dr. Dean held a number of senior government positions. They included Special Assistant to the President and senior Director of the National Security Council. Prior to that, he was Senior Representative for Strategic Technology Policy at the Department of State, where he held the Personal Rank of Ambassador. Earlier, he served as Deputy Assistant Secretary of State for Politico-Military affairs at the Department of State, and as National Intelligence Officer at the Central Intelligence Agency.

Dr. Dean also served as a senior vice president at Mesa Corporation and was a senior staff member at the Rand Corporation. Dr. Dean serves on a number of not for profit boards, and is a member of the Council on Foreign Relations.

Mr. Frank DiBello, General Partner, SpaceVest

Mr. DiBello is Vice Chairman and a Managing Director of SpaceVest. Previously, Mr. DiBello was the founder and managing partner of KPMG LLP's Commercial Space and Advanced Technologies Practice. He conceived and implemented this specialized consulting practice focused on the strategic development and financing of businesses applying advanced technologies to space and telecommunications. Mr. DiBello conducted comprehensive reviews of the global market competitiveness and strategic direction of major U.S. and European aerospace companies. He also had responsibility for overseeing a national outreach program to support NASA's mission of stimulating industrial interest in space-related research and development. Mr. DiBello participated in numerous strategic, financial, and market assessments in various emerging markets, such as remote sensing, data services for emerging commercial industries, launch vehicles, small satellites, and telecommunications.

In 1985, Mr. DiBello received the Medal for Distinguished Public Service, the Defense Department's highest civilian honor, for his work as President of the United Services Organization. He was also founder of the Space Business Roundtable in Washington, D.C. Mr. DiBello has taught at the Defense Systems Management College.

Dr. Robert Z. Gussin, Corporate Vice President Science and Technology, Johnson & Johnson

Dr. Gussin is the Corporate Vice President of Science & Technology at Johnson & Johnson. He joined the Corporation in 1974 as Executive Director of Research at McNeil Laboratories. During his 12 years at

McNeil, Dr. Gussin's responsibilities broadened – ultimately being promoted to the position of Vice President of Scientific Affairs. He moved to Corporate Headquarters in 1986, assuming his current role as the Chief Technical Officer of Johnson & Johnson.

Dr. Gussin has authored a number of scientific publications, as well as several chapters in academic textbooks. He is currently the Chairman of the Advisory Board of the Center for Advanced Biotechnology & Medicine at Rutgers/UMDNJ. He works with NASA on the Advisory Committee for the International Space Station, and in that capacity chairs the Committee on Commercialization. Dr. Gussin is the current chairman of the board of the Academy Industry Program at the National Academy of Science and sits on the Advisory Boards of both the Pharmacy School at the University of Florida and the Science University of Philadelphia (formerly Philadelphia College of Pharmacy & Science). He is on the Board of Directors of the Alliance for Aging Research, and chairs the Steering Committee for the Pharmacology Department at the University of Michigan. He serves on the Visiting Committee for the Harvard School of Public Health. Dr. Gussin is also a member of several professional societies, including the American Society for Pharmacology and Experimental Therapeutics, The American Society for Clinical Pharmacology and Therapeutics, the American Society of Nephrology, as well as others. Dr. Gussin also holds adjunct professorships at Michigan State University, as well as the University of Utah.

After earning a B.S. in Pharmacy and an M.S. in Pharmacology at Duquesne University, Dr. Gussin received a Ph.D. in Pharmacology from the University of Michigan. Subsequent to completing a post-doctoral fellowship at the State University of New York's Upstate Medical Center in Syracuse, Dr. Gussin joined Lederle Laboratories in 1967 where he was promoted to Director of Cardio-Renal Therapeutics in 1973. In 1995, Duquesne University presented Dr. Gussin with an honorary Doctor of Science degree.

Dr. Shelley Harrison, CEO and Chairman of the Board, SPACEHAB Inc.

Dr. Harrison has served as the Company's Chief Executive Officer since April 1996, Chairman of the Board of Directors since August 1993 and has been a member of the Company's Board of Directors since 1987. Dr. Harrison was a Member of the technical staff at Bell Telephone Laboratories and a Professor of Electrical Sciences at the State University of New York at Stony Brook. In 1973, Dr. Harrison co-founded Symbol Technologies Inc., the world's leading provider of bar-code laser scanners and portable terminals, where he served as Chairman and Chief Executive Officer until 1982. As President of Harrison Enterprises from 1982 to 1986, he managed venture financings and technology start-ups. Since 1987, Dr. Harrison has been a managing general partner of a high technology venture capital fund, Poly Ventures, L.P. ("Poly Ventures"). Dr. Harrison is also a director of NetManage, Inc., Asymetrix Learning

Systems, Inc., Globecom Systems, Inc., AppliedTheory Communications, Inc., and several privately held technology portfolio companies.

Mr. Charles Lauer, Vice President Business Development, Pioneer Rocketplane

Mr. Lauer is a partner in Orbital Properties, LLC, as well as a co-founder and Vice President of Business Development for Pioneer Rocketplane. He is also a successful real-estate developer, and the President of Peregrine Properties in Ann Harbor, Michigan. In that capacity, Lauer has been responsible for negotiating, obtaining regulatory approvals and arranging financing for over \$100 million in successful real estate development projects. While earning his income from Earth-based business deals, he has spent over a decade researching potential business opportunities in space and was an advisor and contributor in this area to the 1994 NASA/aerospace industry Commercial Space Transportation Study. In August 1995, Lauer's design for a privately funded Space Business Park was featured on the front page of the industry weekly Space News, as well as that of the March 1996 issue of Ad Astra. Mr. Lauer has been a consultant to Boeing and NASA on commercial space station development, a participant in the NASA New Space Industries Workshops, and is a member of the Board of Directors of the Space Transportation Association's Space Travel & Tourism Division. Mr. Lauer is a graduate of the University of Michigan College of Architecture & Planning.

Mr. Jerry Rising, President, VentureStar LLC

Mr. Rising is Vice President/Program Manager of the X-33/RLV Program. He led the team to develop Lockheed Martin's innovative X-33 design concept and win the X-33 Advanced Technology Demonstrator program. The X-33 is a prototype of the VentureStar Single Stage to Orbit Reusable Launch Vehicle system and its development and flight test will validate the technology required to achieve VentureStar. Mr. Rising is responsible for overall technical and financial performance of the multi-corporation Lockheed Martin X-33/RLV team.

Mr. Del Schuh, Executive Director, Aerospace States Association

After 26 years in the aerospace and nuclear industries, Mr. Schuh accepted a position as a Project Administrator for the Corporation for Science and Technology (CST), a Quasi-governmental agency focused on economic development and technology assistance. In that capacity, he was responsible for administration of advanced technology research and development projects funded with state dollars. While at CST, he held positions of Director, Project Administration, Vice President, and then was

appointed President of the legislatively re-organized Indiana Business Modernization and Technology Corporation (BMT) (formerly CST). In that capacity, Mr. Schuh is currently responsible for all small and medium-sized business assistance operations statewide and administration of a \$10 million annual budget.

In 1999, Mr. Schuh was appointed as Executive Director of the Aerospace States Association (ASA) and in that capacity is responsible for all functions of the Association. The Association is the nation's only aerospace advocacy organization with direct ties to the executive branch of state government as each state delegate is a governor's appointee. With over 40 states participating, ASA disburses grant funds to member states for aerospace educational activities, advocates for growth and development of America's aerospace industry, and works closely with federal agencies to enhance the state/federal technology dialogue.

Also in 1999, Mr. Schuh was elected to chair the Science and Technology Council of the States (STCS). STCS membership comprises the science and technology champions from each of the 50 states and three territories. The Council works closely with the State Science and Technology Institute to assist federal agencies in understanding and working with state technology initiatives.

Mr. Richard Smithies, Director, Barclays Capital

Mr. Smithies heads up Barclays Bank's specialist Satellite & Space Industry Group. He has substantial experience in advising and financing corporations within the space industry, including the raising of over \$2 billion in syndicated non-recourse loans and high yield bond financing for the global mobile satellite telephony company, Iridium. Current roles include advisory, debt and equity engagements within the launch, remote sensing and DTH industries. He also has responsibility for Barclays' own equity investment in SpaceVest, the only venture capital fund dedicated to investing in the space industry and for Barclays' well-known space and satellite stock index, SATIN, which is published on Bloomberg and distributed widely to individuals within the space community. Mr. Smithies was a member of the Barclays team named by Global Finance magazine in September 1996 as its North America Telecommunications Superstar Team. He has appeared in programs by the BBC and CBS, was on the advisory board of a space industry magazine produced by a well-known publishing house, and has been quoted in articles by Fortune magazine and regularly in industry papers. Before taking up his current position, Mr. Smithies had previously worked in several European countries and in Africa. He has a British BS degree in engineering, is a Chartered Banker and speaks several languages. He is a regular speaker at space industry conferences both in the USA and overseas.

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