

## **SPEAKER BIOS**

### **Senator John Cornyn (TX)**

John Cornyn, of San Antonio, is a voice for Texas values in Washington. He was sworn in to the U.S. Senate on December 2, 2002, succeeding Phil Gramm.

Sen. Cornyn continues to take a leading role on many issues in the Senate. He is committed to bolstering America's national defense and homeland security, working to strengthen the economy and grow jobs, making health care more accessible, and improving educational opportunity for all Texans.

After just one year in the Senate, John Cornyn was chosen by leadership to serve as a Deputy Whip. As a member of the Whip team, he helps mobilize votes and support on major issues.

Sen. Cornyn serves on five key Senate committees: Armed Services; Judiciary; Budget; Small Business and Entrepreneurship; and the Joint Economic Committee. He chairs the Judiciary Committee's subcommittee on Immigration, Border Security and Citizenship and the Armed Services Committee's subcommittee on Emerging Threats and Capabilities.

Sen. Cornyn is a prominent supporter of President Bush's judicial nominees, he continues to work for Texas military personnel and veterans, and has been a leader on working to bring about common sense, balanced immigration reform. He stands as a dedicated defender of free markets, traditional values, and individual liberty.

In addition to his legislative committees, Sen. Cornyn is the chairman of the Senate India Caucus, vice chairman of the Senate Republican Conference Task Force on Hispanic Affairs, vice chairman of the Congressional Sportsmen's Caucus, and a member of the Senate Republican Task Force on Health Care Costs and the Uninsured, the Senate Republican High Tech Task Force, Congressional Oversight Group on Trade, and the President's Export Council.

While in the Senate, John Cornyn has received various awards and recognitions, including the 2005 Border Texan of the Year Award; the National Child Support Enforcement Association's Children's Champion Award; the American Farm Bureau Federation's Friend of Farm Bureau Award; the Texas Association of Business's Fighter for Free Enterprise Award; and the Texas Association of Mexican American Chambers of Commerce's (TAMACC) International Leadership Legislative Award; among others.

As Texas Attorney General from 1999-2002, John Cornyn directed many initiatives vital to the interests of Texas families. Cornyn served for six years as a District Court Judge in San Antonio before being elected to the Texas Supreme Court in 1990, where he served for seven years.

John Cornyn was born in Houston on February 2, 1952, the son of John and Gale Cornyn, both native Texans. His father, a B-17 pilot in World War II, served for thirty-one years in the U.S. Air Force and, later, taught at the University of Texas Health Science Center in San Antonio. A graduate of Trinity University and St. Mary's School of Law, both in San Antonio, John Cornyn also earned a Masters of Law from the University of Virginia Law School in 1995. He was named the St. Mary's Distinguished Law School Graduate in 1994 and a Trinity University Distinguished Alumnus in 2001.

Sen. Cornyn is married to Sandy, his wife of 25 years. They have two daughters.

## **Congressman Jerry Lewis (CA – 41<sup>st</sup> District)**

Jerry Lewis, a lifelong resident of San Bernardino County and 30-year owner of a life insurance business, represents the 41st Congressional District of Southern California, including much of San Bernardino County and a portion of Riverside County.

A member of Congress since 1978, Congressman Lewis on January 6, 2005 was named chairman of the House Appropriations Committee, which is responsible for funding all federal programs. From 1999-2005, he was chairman of the Defense Appropriations Subcommittee, the panel with jurisdiction over all national security matters including the entire \$416 billion Pentagon budget – nearly half of all funds appropriated by Congress. In this capacity, he was a forceful advocate of critical defense and aerospace jobs in California. Lewis also serves on the Foreign Operations Appropriations Subcommittee and the Transportation and Treasury Appropriations Subcommittee.

From 1994-1999, Lewis was the chairman of the VA-HUD and Independent Agencies Subcommittee, the panel responsible for funding federal housing, veterans affairs, NASA, the Environmental Protection Agency, the Federal Emergency Management Agency, the National Science Foundation, and other federal agencies.

Lewis served as Chairman of the House GOP California delegation from 1996-2001, leading California Republicans on legislative issues of importance to the Golden State. Lewis was Co-Chair of the entire delegation and worked successfully to unify California Republicans and Democrats to marshal the considerable clout of the 52-member delegation, the largest in the House of Representatives. Under his leadership, the bi-partisan delegation supported dozens of unified efforts on issues ranging from police funding to aid for the state's agricultural industry.

Lewis has helped complete critical projects in Southern California including highway improvements along I-15 and I-40 in the high desert; a revolutionary cancer treatment center and NASA research at Loma Linda University; access road and terminal expansion at Ontario International Airport; and the construction of the Santa Ana flood control project critical to Orange, Riverside, and San Bernardino Counties. Lewis has played an instrumental role in pursuing tough federal clean air standards, fashioning effective crime and drug legislation, and securing emergency funding for earthquake, flood, fire, and drought relief for California. An innovative housing program he created with San Bernardino County has provided more than 500 low-income families to buy renovated public housing. And he was the driving force in converting the former George and Norton Air Force Bases into successful local employment centers.

Prior to his election to Congress, Lewis served in the California State Legislature. He was the lead author on legislation establishing the South Coast Air Quality Management District in Southern California, recognized as the leading regional air quality board in the United States. Lewis is also the author of the Child Development Act of 1972, which has since become a national model for innovative childcare. Additionally, he sponsored legislation placing the "Newsman's Shield Law" in the California State Constitution.

Jerry Lewis graduated from UCLA in 1956 with a Bachelor of Arts degree in Government. He continued his education with a fellowship in public affairs with the Coro Foundation in San Francisco. He and Arlene reside in Redlands and have seven children.

## **Congressman Jim Cooper (TN – 5<sup>th</sup> District)**

Jim is serving his second term as U.S. Representative for the 5th District, although his prior service in Congress gives him eight terms of experience. Jim represents approximately 700,000 people who live in Nashville and surrounding communities like Mt. Juliet, Lebanon, Ashland City, Pegram and Pleasant View.

His job is to cut through federal red tape for people here at home and to help pass good federal laws for the nation. Jim's background is as a local businessman, attorney and teacher.

His main congressional office is in downtown Nashville at 706 Church Street, diagonally across the street from the new Public Library. In Washington, Jim serves on two different committees: the Armed Services Committee (including the Terrorism and Special Forces Subcommittee) and the Budget Committee.

Jim does not live in Washington; he goes to our nation's capital for votes and committee meetings. He and his wife Martha and their three children live in Green Hills.

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**Jim Kadtke**  
**Office of Senator John Warner**

Jim Kadtke received his PhD in physics from Brown University in 1987, including two years as a graduate fellow at Los Alamos National Lab, and then spent over ten years as a research faculty at the University of California at San Diego. He has also been the Chief Scientist at Nonlinear Solutions, Inc. and a consultant to the DoD and private industry on defense science. From 1999 to 2001 he was a Fellow at the Rand Science and Technology Policy Institute, supporting the White House Office of Science and Technology Policy, and afterward spent a year on the Science Committee in the US House of Representatives. He is currently serving on the staff of Senator John Warner of Virginia, where he handles technology, defense, and homeland security issues.

**Steve Koonin**  
**Chief Scientist BP plc**

Steve Koonin, Chief Scientist BP plc, was born in Brooklyn, New York and educated at the California Institute of Technology (B.S. in physics), and at MIT (Ph.D. in theoretical physics). He joined the Caltech faculty in 1975, becoming a full professor in 1981. From 1995 – 2004, he served as Caltech's Vice President and Provost, with responsibility for the Institute's academic and supporting operations. He was instrumental in guiding Caltech's formulation and launch of major initiatives in the biological sciences, information science and technology, optical astronomy, plate tectonics, structural biology, and the behavioural implications of neuroscience. Under his stewardship, the Institute's Technology Transfer Office grew to one of the most successful among American research universities.

As BP's Chief Scientist, Koonin is responsible for the Group's long range technology plans and activities, including its major university programs in China, the UK, US, and Russia. He also provides scientific input to senior executives on matters on Group significance.

Koonin is a fellow of the American Physical Society, the American Association for the Advancement of Science, the American Academy of Arts and Sciences and the Council on Foreign Relations, as well as a recipient of the US Department of Energy's E. O. Lawrence Award in Physics. He has served on numerous advisory committees for the National Science Foundation, the Department of Defense, and the Department of Energy and its various national laboratories. His research interests include theoretical nuclear and many-body, computational physics, nuclear astrophysics, and global environmental science.

**James Andrew Lewis**  
**Senior Fellow and Director, Technology and Public Policy**  
**Center for Strategic and International Studies**

James Andrew Lewis is a Senior Fellow and Director of the Technology and Public Policy program at the Center for Strategic and International Studies (CSIS). Lewis, a former member of the U.S. Foreign Service and the Senior Executive Service, worked on foreign policy, national security, and technology-related issues at the Departments of State and Commerce. He received a Gold Medal (the Commerce Department's highest award) in 2000, was selected as a Senior Intelligence Fellow in 1999, and received two Meritorious Honor Awards (for work in Operation Desert Shield and in Nicaragua) from the Department of State.

Since coming to CSIS, Lewis has authored numerous reports, including "Preserving America's Strength in Satellite Technology," (2001), "Technology and Security in the 21st Century" (2001), "Assessing the Risk of Cyber Terrorism, Cyber War and Other Cyber Threats," (2002), "Spectrum Management for the 21st Century"

(2003), “China as a Military Space Competitor” (2004), “Globalization and National Security,” (2004) and “National Policies to Strengthen Innovation and Economic Growth in North America,” (forthcoming). His current research interests include internet policy, innovation and national security; military space, and China’s information technology industry. He received his Ph.D. from the University of Chicago in 1984.

**Dr. Fred E. Saalfeld**  
**Senior Fellow**  
**Potomac Institute**

Dr. Fred E. Saalfeld received his B.S. degree cum laude with majors in Chemistry, Physics and Mathematics from Southeast Missouri State University in 1957. Dr. Saalfeld was awarded his M.S. and Ph.D. degrees with a major in Physical Chemistry with minors in Inorganic Chemistry and Mathematics from Iowa State University in 1959 and 1961, and remained one year at Iowa State as an Instructor.

Dr. Saalfeld joined the Naval Research laboratory (NRL) in 1962, where he conducted and directed research in physical chemistry. From 1963 to 1973, he headed the Mass Spectrometry Section, where his research led to the innovative systems for atmospheric monitoring and life support now widely used in nuclear submarines, firefighting gear, spacecraft and other equipment using re-circulated air. From 1974 to 1976, he directed the Physical Chemistry Branch, a group of 25 scientists. In 1976, Dr. Saalfeld was selected as Superintendent of the Chemistry Division, where he was responsible for approximately 350 chemists and a program of more than \$16M. In 1979 and 1980, Dr. Saalfeld was the Chief Scientist and Scientific Director at the Office of Naval Research (ONR) Branch Office, London. In 1982, he was NRL’s Acting Associate Director of Research for Material Sciences and Component Technology, directing more than 900 scientists and a \$90M program.

Dr. Saalfeld was appointed the Director of the ONR Research Department in 1982 and the Associate Director of ONR in 1985. In these positions he was responsible for the Navy’s \$220M contract research program, largely conducted at universities. From 1987 until 1993 Dr. Saalfeld was Director of ONR, responsible for the Navy’s basic research effort and the Navy’s corporate laboratory, NRL.

In 1993, Dr. Saalfeld was appointed Technical Director of ONR and Deputy Chief of Naval Research, where he was responsible for the Navy and Marine Corps science and technology program, including basic research, exploratory and advanced technology development conducted in federal and private laboratories, academia and industry. In 1998, this position title was changed to Executive Director and Technical Director of ONR. Dr. Saalfeld retired from ONR in January 2002. Since retiring from the Federal Government, Dr. Saalfeld has served as a private consultant to the following institutions: Pennsylvania State University’s Applied Research Laboratory, The National Defense University’s Center for Technology and National Security Policy (NDU, CTNSSP), Rand, the University of North Carolina’s Coastal Ocean Research and Monitoring Program Advisory Board, and The Stevens Institute of Technology. In November 2002, Dr. Saalfeld joined the Potomac Institute for Policy Studies as a Senior Research Fellow. The Potomac Institute agreed, under the Intergovernmental Personnel Act, for Dr. Saalfeld to work at the NDU, CTNSP as a Distinguished Research Professor for 2003.

Dr. Saalfeld became a charter member of the Senior Executive Service under President Carter. In 1986, President Reagan conferred on him the Presidential rank of Meritorious Executive; in 1989, President Bush conferred on him the Presidential Distinguished Executive Rank; and in 1996, President Clinton conferred on him the Presidential Distinguished Executive Rank for a second time. Other awards include the Department of the Navy Meritorious, Superior and Distinguished Civilian Service Awards, the Department of Defense Distinguished Civilian Service Award, Southeast Missouri State University Alumni Merit Award, and the Captain Robert Dexter Conrad Award, the Navy’s highest award for scientific achievement. Washington Technology named him one of the area’s top technologists in 1989. The Federal Executive Institute selected him as Federal Executive of the Year in 1991. Upon his ONR retirement, The Chief of Naval Research established The Fred E. Saalfeld Award for Lifetime Achievement in Science and presented the first award to Dr. Saalfeld

Dr. Saalfeld has authored or co authored more than 500 research papers, reports and presentations. He is active in many scientific societies, including the Society for Applied Spectroscopy, the American Society for Mass Spectrometry, and the American Chemical Society (ACS). He is a Fellow of the American Association for the Advancement of Science. He has served as Secretary of the American Society for Mass Spectrometry, as the President of the Chemical Society of Washington, as a board member of many American Chemical Society Committees, and as a consultant to the ACS's Joint Board/Council Committee on Science.

**Tom Vice**  
**Sector Vice President**  
**Business Development, Integrated Systems**  
**Northrop Grumman Corporation**

Tom Vice is sector vice president – Business Development for Northrop Grumman's Integrated Systems sector. Mr. Vice is responsible for sustaining the sector's profitable growth through the capture of key competitive pursuits. He will be responsible for providing customers with best-value solutions drawing upon the strengths of the corporation and industry partners.

Most recently, Mr. Vice was sector vice president of Operations for Integrated Systems, where he was responsible for manufacturing operations, supply chain management, facilities, Lean and Six Sigma, quality assurance, and information technology, as well as planning and control activities. Mr. Vice was also Chairman of the Corporate Materiel Board.

Prior to the Operations assignment, Mr. Vice was sector vice president, Materiel. As Materiel vice president, he led an organization responsible for U.S. and international procurement for Integrated Systems sector, responsible for technical supplier interface, supplier relations, internal inventory control, production control, kitting, external transportation, warehousing, material scheduling and planning, material quality, material cost management, estimating and price/cost analysis. In this role, he led the organization as a shared service using common systems and processes with regional and/or site implementation.

Previously, Mr. Vice was vice president – Business and Advanced Systems Development for the sector's Air Combat Systems (ACS) business area. He was responsible for the strategic business development leadership at ACS, where he served as the focal point for advanced systems development and customer requirements and provided basic policy guidelines and coordination and liaison with all customers, suppliers, and partners who supported the new business generation process for ACS. He joined Northrop Grumman as an engineer on the B-2 program in 1986. He later became the ACS business unit's information technology manager and previously manager of B-2 program operations and asset integration. He also served as manager of customer requirements and the B-2 business development manager for the multi-stage improvement program.

Mr. Vice attended the University of Southern California where he obtained a Bachelor of Science degree in aerospace engineering. He has completed several advanced management programs, including the Advanced Program Management course at the Defense Systems Management College and the Corporate Strategy Management Program at the Massachusetts Institute of Technology.

Northrop Grumman's Integrated Systems, headquartered in El Segundo, California, is a premier aerospace systems integration enterprise. Integrated Systems has the capabilities to design, develop, integrate, produce and support complete systems, as well as airframe subsystems, for airborne surveillance and battle management aircraft, early warning aircraft, airborne electronic warfare aircraft, and air combat aircraft. The sector also is integrating these capabilities for emerging network-centric warfare concepts.