

SPEAKERS

Post-Cold War U. S. Nuclear Strategy: A Search for Technical and Policy Common Ground

August 11, 2004

Public Symposium
Auditorium
National Academy of Sciences
2100 C Street N.W.

Keynote speakers (in order of appearance):

WILLIAM PERRY

William Perry is the Michael and Barbara Berberian Professor at Stanford University, with a joint appointment in the School of Engineering and the Institute for International Studies. He is also a Senior Fellow at the Hoover Institution and Co-director of the Preventive Defense Project, a research collaboration of Stanford and Harvard Universities. Dr. Perry was the 19th Secretary of Defense for the United States, serving from February 1994 to January 1997. His previous government experience was as Deputy Secretary of Defense (1993-1994) and as Under Secretary of Defense for Research and Engineering (1977-1981). Dr. Perry has received a number of awards, including the Presidential Medal of Freedom (1997) and the Department of Defense Distinguished Service Medal (1980 and again in 1981).

DAVID HOBSON

Through his record of accomplishment and leadership, as well as his commitment to quality constituent service, Congressman Dave Hobson has earned the respect and strong support of the people he represents in Ohio's 7th Congressional District and his colleagues in the U.S. House of Representatives. Congressman Hobson's career in public service is characterized by hard work to control government spending, improve access to quality health care, strengthen national defense, and create jobs. In the House of Representatives, Congressman Hobson is Chairman of the Energy and Water Development Appropriations Subcommittee and member of two Appropriations Committee subcommittees: 1) Defense, and 2) Veterans Administration/Housing and Urban Development/Independent Agencies. He served in the Ohio Senate from 1982 to 1990, where he was President Pro Tempore, Majority Whip, and Health and Human Services Committee Chairman. Congressman Hobson is an active member of the community as a businessman, Rotarian, former trustee of three area universities, former board member of his church, and member of several veterans organizations.

LINTON BROOKS

Linton F. Brooks was sworn in as the Administrator of the National Nuclear Security Administration (NNSA) and the Undersecretary of Energy for Nuclear Security on May 16, 2003. Brooks previously served as the Deputy Administrator for Nuclear Nonproliferation. In July 2002, President Bush named him Acting Administrator when the first NNSA administrator, John Gordon, took an assignment at the National Security Council. The President nominated Brooks to be Administrator on February 4, 2003, and he was confirmed by the Senate on May 1. Prior to joining NNSA, Brooks was Vice President at the Center for Naval Analyses (CNA), a federally funded research and development center located in Alexandria, Virginia. His extensive

government experience includes service as the Assistant Director of the Arms Control and Disarmament Agency, chief U.S. negotiator for the Strategic Arms Reduction Treaty (where he earned the rank of Ambassador), Director of Arms Control for the National Security Council, and a number of Navy and Defense Department assignments.

Panelists:

Technical Challenges for U.S. Nuclear Weapons Policy

SIDNEY DRELL

Sidney D. Drell is professor of physics emeritus at Stanford University's Linear Accelerator Center and a senior fellow at its Hoover Institution. For many years he has been an adviser to the U.S. government on technical national security and arms control issues, including membership on the President's Foreign Intelligence Advisory Board and Science Advisory Committee, and JASON. His writings on nuclear weapons include "In the Shadow of the Bomb" (American Institute of Physics, 1993), "Reducing Nuclear Danger" (with McGeorge Bundy and William Crowe, Council on Foreign Relations, 1993), and "The Gravest Danger: Nuclear Weapons" (with James Goodby) published in 2003 by Hoover Institution Press. Honors recognizing his contributions to both physics and national security include the Enrico Fermi Award, the National Intelligence Distinguished Service Medal, a MacArthur Fellowship, and election to the National Academy of Sciences.

C. PAUL ROBINSON

C. Paul Robinson is president of Sandia Corporation and Director of Sandia National Laboratories. Sandia Corporation manages Sandia National Laboratories for the U.S. department of Energy's National Nuclear Security Administration. Robinson joined Sandia in October 1990 and became President in August 1995. He is a member since 1991 of the Strategic Advisory Group for the Commander, US Strategic Command, and chairs the Policy Panel. He served on Department of Defense's Threat Reduction Advisory Committee and was Chair of the Presidential Technical Advisory Group on Verification of Warhead Dismantlement and Special Nuclear Materials Controls. He previously served on the scientific advisory group on effects for the Defense Nuclear Agency. From 1988-1990, Ambassador Robinson served as head of the U.S. Delegation to the US/USSR nuclear testing negotiations in Geneva. Robinson received the Outstanding Public Service Medal from the Joint Chiefs of Staff and was awarded the Pake Prize in 2003 by the American Physical Society for outstanding leadership and research accomplishments over his career. He has a B.S. in Physics from Christian Brothers College and a Ph.D. in Physics from Florida State University.

Advanced Concepts, Stockpile Stewardship, and Testing

JONATHAN MEDALIA

Jonathan Medalia is a Specialist in National Defense at the Congressional Research Service, where he has worked for many years on nuclear weapon policy issues for the Congress. These issues include MX, Trident, nuclear testing, nuclear weapon lab demographics, the Comprehensive Test Ban Treaty, stockpile stewardship, and most recently the Robust Nuclear Earth Penetrator, Advanced Concepts Initiative, and nuclear and radiological terrorism. He received an A.B. from Cornell University and an M.A. and Ph.D. from Stanford University. He received a doctoral research fellowship from the Brookings Institution and a postdoctoral fellowship from MIT.

VICTOR REIS

Dr. Victor H. Reis is Senior Vice President at Hicks Associates, Inc. a subsidiary of Science Applications International Corporation where he is the Director of the Nuclear Strategies Project. He is a member of the U.S Strategic Command Strategic Advisory Group, Sandia's National Security Advisory Panel, and the Argonne National Laboratory Board of Governors. Previously, Dr. Reis was Assistant Secretary of Energy for Defense Programs; Department of Defense Director of Defense Research and Engineering, Director and Deputy Director of the Defense Research Projects Agency; Senior Vice President for Strategic Planning, SAIC; Assistant Director for National Security and Space of the White House Office of Science and Technology Policy and Senior Staff Member, MIT Lincoln Laboratory. He has served on numerous government panels and advisory groups. He has a BME from Rensselaer Polytechnic Institute, M.Eng from Yale University, and an MA and Ph.D. from Princeton University.

MICHAEL LEVI

Michael A. Levi is Science and Technology Fellow at the Brookings Institution in Washington, DC. A physicist by training, Mr. Levi has spent much of the past three years engaged in research and writing on issues related to nuclear weapons. His current work focuses on nuclear and non-nuclear options for "agent defeat", governance for the nuclear fuel cycle, and science and technology for development in the Islamic world. Mr. Levi has written op-eds for the *New York Times* and *Washington Post*, magazine articles for *The New Republic* and *Scientific American*, and journal articles for *Nature* and *Foreign Policy*, among others. Mr. Levi also writes a monthly online column on arms control and nonproliferation for *The New Republic*. He is coauthor of the forthcoming book *The Future of Arms Control*, which develops a framework for efforts to control dangerous technologies in the 21st century.

JOHN HARVEY

Since March 2001, Dr. Harvey has served as Director, Policy Planning Staff of the National Nuclear Security Administration. In this role he advises the NNSA Administrator on major policy and program decisions. He is responsible for analysis of program and policy options relating to NSC-directed policy reviews, the work of the Nuclear Weapons Council, external advisory boards, and interagency working groups. He has the lead in developing NNSA's long-range planning guidance—the so-called "front end" of the Program, Planning Budgeting and Execution process currently being implemented in NNSA. Of note, Dr. Harvey has been "point" for NNSA on the President's NSPD-4 Strategic Review, the Nuclear Posture Review and its associated implementation, the interagency review of nuclear testing issues, and on the drafting and implementation of National Security Presidential Directive (NSPD)-28 on Nuclear Weapons Command, Control, Safety, and Security. From March 1995 to January 2001, Dr. Harvey served as Deputy Assistant Secretary of Defense for Nuclear Forces and Missile Defense Policy where he developed and oversaw implementation of U.S. defense policy governing strategic and theater nuclear forces and ballistic missile defense.

Choices for U.S. Nuclear Weapons Policy

EUGENE HABIGER

Eugene E. Habiger (U.S. Air Force, Retired) is a distinguished fellow and policy adviser with the University of Georgia Center for International Trade and Security where he assists with the Center's international programs aimed at preventing weapons proliferation and reducing nuclear dangers. He also serves on the Nuclear Threat Initiative's Board of Directors. He has over 35 years of experience in national security and nuclear operations. In his previous assignment as the Commander-in-Chief of United States Strategic Command, he was responsible for all U.S.

Air Force and U.S. Navy strategic nuclear forces supporting the national security strategy of strategic deterrence. In this position, he established an unprecedented military-to-military relationship with his Russian counterparts and extraordinary confidence building and openness resulted. Prior to joining the Center, General Habiger was the president/CEO of the San Antonio Water System where he was responsible for the general operations of the System along with the strategic long-range business and water resources planning. He also worked as the Department of Energy's director of security and emergency operations.

DAVID MOSHER

David Mosher (M.A., Public Affairs) is a Senior Nuclear Policy Analyst. He has been at RAND since the spring of 2000, where his focus has been on nuclear weapons policy, missile defenses, WMD proliferation issues, and homeland security, and terrorist use of WMD. He was also the staff director of the American Physical Society's study on boost phase missile defense. Before joining RAND, he spent ten years in the National Security Division at the Congressional Budget Office. He has written papers, studies, and articles on a wide variety of issues including preparing individuals for catastrophic nuclear, chemical, biological, radiological, and high explosive terrorist attacks, protecting Army facilities from CBRNE terrorism, organizing Army forces for homeland security, protecting critical infrastructure, reducing nuclear threats from Russia, nuclear weapons and forces, ballistic missile defenses, arms control, and defense budget issues. Before joining CBO, he worked at the Johns Hopkins University's Applied Physics Laboratory where he conducted research on ocean physics and remote sensing.

RONALD LEHMAN

The Honorable Ronald F. Lehman II is Director of the Center for Global Security Research (CGSR) at Lawrence Livermore National Laboratory. Ron also is Chairman of the Governing Board of the International Science and Technology Center (ISTC) in Moscow. He also serves on the Defense Department Threat Reduction Advisory Committee (TRAC). Previously, he was the Director of the U.S. Arms Control and Disarmament Agency and has served in the Defense Department as Assistant Secretary, in the State Department as U.S. Chief Negotiator on Strategic Offensive Arms (START), and in the White House as Deputy Assistant to the President for National Security Affairs.