

# ECCO NEWS

Department of Energy Contractor's Export Organization

May 5, 1992

## CONFERENCE FOLLOW-UP FOR ATTENDEES

Attached is additional information that was not distributed at the ECCO conference on April 22-23rd, 1992 in Washington, D.C. Attendees seemed to be pleased with the conference. I think this was due in part to the quality of the questions and the resulting discussion fostered by the participants.

At the concluding business meeting during the conference it was agreed that the next meeting would be an informal one and would be held at Argonne National Laboratory in Chicago at the end of October or the beginning of November of this year. Let me know if you have any specific dates in mind as the time gets closer.

It was also agreed that in order to fund the newsletter and other mailings, ECCO would start charging an annual membership fee of \$45. Payment of \$45 fee will entitle one to (approximately) bimonthly newsletters, copies of conference handouts/notes and any interim news bulletins. Please make checks out to EG&G Inc./ECCO Annual Membership and forward to Karin Rindal, EG&G Inc. 1850 K Street N.W., Suite 1190, Washington, D.C. 20006. The membership fee will run from April 1992 to April 1993.

Unless there are objections, conference notices will be mailed to the wider ECCO mailing list and not just those who have paid the membership fee. However, ECCO membership and its benefits will be limited to those who pay the annual fee and are either DOE employees, DOE contractors or affiliated with a laboratory. If any membership money is left by the next annual conference, it will be applied towards a reduced attendance fee for the members.

Per a suggestion by Duane Landa, Zan Hollander is having a letter sent by John Rooney to the State Dept. Office of Defense Trade Controls asking that DOE labs be eligible for a licensing exemption for Soviet visitors in the new draft ITAR.

If those of you who requested copies of the report from John Wilson at the National Academy haven't received them, please let me know and I will follow up with him.



## SPEAKER DIRECTORY

John Wilson  
National Academy of Sciences  
Senior Staff Officer  
National Research Council  
(202) 334-2214

Warren Chernock  
Dept. of Energy  
Deputy Science Advisor  
Office of Ass't Sec. for Def. Programs  
(202) 586-7590

Larry Bakken  
Lawrence Livermore Laboratory  
(510) 423-3710

Patrick Glynn  
American Enterprise Institute  
(202) 862-5800

Leonard Weiss  
Senate Committee on Government Affairs  
Staff Director  
(202) 224-4751

Jeff Gallup  
Department of State  
Deputy Director  
Office of Weapons Proliferation Policy  
(202) 647-1129

Tess Ortiz  
Department of Energy  
Office of Arms Control  
(202) 586-2112

Henry Sokolski  
Dept. of Defense  
Deputy  
Non-Proliferation Policy  
Int'l Security Affairs  
(202) 695-8478

Michael Rosenthal  
Arms Control & Disarmament Agency  
Chief  
Nuclear Affairs Division  
Bureau of Non-proliferation Policy  
(202) 647-7326

William Clements  
Department of Commerce  
Director  
Office of Technology & Policy Analysis  
(202) 377-4188

Dan Cook  
Department of Commerce  
Director  
Policy Development Division &  
Acting Director  
Regulations Branch  
(202) 377-4188

Gene Christiansen  
Department of Commerce  
Licensing Officer  
Capital Goods Commodity Team  
(202) 377-0894

Ed Fox  
Department of Energy  
Licensing Officer  
(202) 586-2144

Rose Biancaniello  
Department of State  
Chief - Arms Licensing Division  
(703) 875-6644

Jim Noble  
Department of State  
Office of East-West Trade  
& Foreign Policy Controls  
(202) 647-2245

Frank Deliberti  
Department of Commerce  
Director  
Office of Export Enforcement  
(202) 377-8252



## Wednesday Speakers

### John Sullivan Wilson

John Wilson is Senior Staff Officer for the Science, Technology, and Economic Policy Board of the National Research Council and National Academy of Sciences. He is the principal senior staff member responsible for direction of two tentative projects, (Investment in Human Capital, and Technology and Trade Policy Strategies), among other duties. In addition, he directs a joint project with the Academia de la Investigacion Cientifica (Mexican Academy of Sciences) on Technology and the Modernization of the Mexican Economy. Mr. Wilson also directs the Technology and Public Policy seminar series at the Academies.

Mr. Wilson recently served as Project Director for the National Academies of Sciences and Engineering study of Civilian Technology. The project was conducted at the request of the Congress in the Omnibus Trade and Competitiveness Act of 1988, and resulted in the report: The Government Role in Civilian Technology: Building a New Alliance, issued by the National Academy Press in April, 1992. The report examined the government role in civilian R&D and technology development and made recommendations on the future direction of U.S. technology policy.

Mr. Wilson is a graduate of Wooster College (1978) and Columbia University's School of International and Public Affairs (1984). He has held positions with the Congressional Office of Technology Assessment (OTA) where he assisted with two major projects: International Competition in Services and Technology, Innovation, and U.S. Trade. He was also formerly with the staff of the Public Affairs Division of Pfizer, Inc. in New York City. Mr. Wilson has also held the post of Assistant to the President at the Committee for Economic Development (CED) in Washington, D.C., and has conducted research for the World Bank on U.S. technology policy.

Mr. Wilson was involved in the work of two Presidential Commissions; the President's Commission on Setting a National Agenda for the Eighties, and President's Commission on Industrial Competitiveness. He is the author of reports and issue briefs on technological innovation, technology transfer, as well as U.S. trade and economic policy issues. These include: Productivity and Competitiveness: Industrial Extension Services and Technology Transfer Programs in the United States (1988), The U.S. Government Trade Policy Response to Japanese Competition in Semiconductors (1987), and Evaluating R&D Consortia (1990).

Mr. Wilson is currently a member of the United States delegation (Washington) to the U.S.-Japan Study of Technology Transfer conducted under the bilateral U.S.-Japan Science and Technology Agreement. He is also a member of the American Association for the Advancement of Science, and the Center for Strategic and International Studies' (CSIS) experts committee on Technology for

the Strengthening America project (1991-present), as well as a member of the observer group for a CSIS study on Technology Transfer (1991-present). He was a member of the Atlantic Council's study committee on Technology Transfer from the DOE Laboratories (1991-92).

### Warren Chernock

Warren P. Chernock, Deputy Science and Technology Advisor, Defense Programs, U. S. Department of Energy (DOE) is responsible for oversight of the DOE weapons laboratories, (Los Alamos, Lawrence Livermore and Sandia), management of technology transfer and work for non-DOE sponsors in Defense Programs (DP) and serving as the principal DP liaison for education and science.

Prior to joining the Department of Energy in 1991, Mr. Chernock served in a number of senior management roles at Combustion Engineering, Inc. (C-E) including Vice President, Advanced Nuclear Systems (1985-1989); Vice President, Research and Development, Nuclear Power Systems (1974-1985) and numerous other management positions at C-E beginning in 1956, when he joined C-E to become chief materials engineer for the C-E navy nuclear program involving the construction of a land-based prototype (SIS) and the U.S.S. Tullibee (S2C).

His senior management roles at C-E included directing major C-E programs including NRC certification of an Evolutionary Light Water Reactor (System 80+) High Temperature Gas Cooled Reactor and Liquid Metal Cooled Reactor development, fuel cell development, and responsibility for the development and implementation of foreign technical exchange agreements including those with KWU in Germany, United Kingdom Atomic Energy Authority, Atomic Energy of Canada Limited and OECD Halden Reactor Project (Member of Board of Management).

Mr. Chernock has been associated with the Argonne National Laboratory and the Massachusetts Institute of Technology where he was a Visiting Professor of Nuclear Engineering. He has been on the staff of the Hartford Graduate Center of Rensselaer Polytechnic Institute since 1956 as an Adjunct Professor and was formerly Chairman of the Metallurgy Department. These university positions were concurrent with his position at C-E.

He was a U. S. delegate to the First and Second U.S. - Japan Exchange Meetings on Nuclear Ceramic Fuel in 1963 and 1964; selected to present U.S. papers at both the Third and Fourth United Nation International Conference on the Peaceful Use of Atomic Energy, Geneva in 1964 and 1971; chaired the University of Chicago Review Committee of the Argonne National Laboratory Reactor Analysis and Safety Division in 1983 and 1984 and is currently a

member of the Advisory Committee to the Nuclear Engineering Department, Rensselaer Polytechnic Institute.

He is a member of the American Society for Testing and Materials and a Fellow of both the American Nuclear Society and the American Society for Metals. Mr. Chernock holds numerous patents and authored or coauthored over 40 papers and publications.

He obtained a B.S. Degree in Metallurgical Engineering from Columbia University in 1949 and an M.S. Degree in Metallurgy from New York University in 1955.

### Larry Bakken

M.S. (Civil Engineering), University of Minnesota, J.D. (Law), Santa Clara University, CA.

Four years at Convair Aircraft in structural analysis. Three years at US/Berkeley on Ph.D in applied mechanics. Ten years at Sandia, Livermore, in applied mechanics doing shock wave propagation computer code analysis. Author of Sandia materials property Handbook on Equations of State for hydrodynamic codes. Two years practicing general law in Oakland, California. Twenty years in Lawrence Livermore Lab Classification Office specializing in computer codes, nuclear weapons hardware, radiation transport, test diagnostics, FEL, WFO contract guidance, and advanced conventional munitions weapons (DARPA). Three months in Technology Transfer doing ECI reviews and reviewing classified patent disclosures. New member of ECCO. Active in Livermore Rotary Club and international student exchanges.

### Jeffrey Gallup

Jeffrey C. Gallup is Deputy Director of the Office of Weapons Proliferation Policy in the Bureau of Politico-Military Affairs of the Department of State, which deals with the proliferation of missiles, chemical and biological weapons.

Mr. Gallup is a career foreign service officer with the Department of State. His previous overseas assignments include Thailand, Germany, and Haiti. In Washington, he has served in European Affairs and East Asian and Pacific Affairs.

## Governmental Affairs

**Leonard Weiss**  
Staff Director  
340 Dirksen Senate Office Bldg.  
224-4751



*Personal: born 3/14/34 in New York, N.Y. B.E.E., City College of New York, 1956, M.S.E.E., Columbia Univ., 1959, Ph.D., Johns Hopkins Univ., 1962. 1962-76, consultant to industry and government, tenured and visiting academic appointments to universities including Brown Univ., Univ. of Maryland, Univ. of California at Berkeley, and UCLA. 1976, Congressional fellow, Institute for Electrical and Electronic Engineers., 1977-81, staff director; 1981-87, minority staff director, Subcommittee on Energy, Nuclear Proliferation and Federal Services. 1987-present, staff director, Senate Committee on Governmental Affairs.*

**Expertise:** Science and technology; nuclear non-proliferation, government efficiency, effectiveness, services and regulation

Leonard Weiss, recognized as chief staff architect of the Nuclear Non-Proliferation Act, has served as staff director of the Committee on Governmental Affairs since 1987. The second session of the 102nd Congress will see Weiss and Chairman John Glenn (D-Ohio) follow up on an ambitious agenda.

Among their priorities, Weiss says, are elevation of the Environmental Protection Agency to cabinet-level status; reform of honoraria rules; bringing more openness to regulatory review activities of the executive branch; preventing the spread of weapons of mass destruction to Iraq and other countries; modernization and clean-up plans for the Department of Energy's nuclear weapons complex; the national energy strategy; and problems pertaining to Department of Defense contracting and subcontracting, and inventory control. Under Glenn's leadership, Governmental Affairs has had one of the most active schedules in the Senate.

In the first session, the panel tackled the Federal Government Energy Efficiency Act, legislation to strengthen nuclear export controls, and the Regulatory Review Sunshine Act. All three are awaiting floor action.

In the 101st Congress, the panel held 172 days of hearings and had 20 bills enacted into law. Those legislative initiatives included the Federal Financial Management Improvement Act, which created a chief financial officer for the U.S. government, and the Federal Pay Comparability Act, which reformed the federal pay system for government employees.

Weiss is a longtime student of public policy. As a full professor at the University of Maryland, he was chosen for one of two congressional fellowships awarded by the Institute for Electrical and Electronic Engineers (IEEE) in 1976. He worked closely with Glenn, and was later asked to serve as staff director of the subcommittee on energy, nuclear proliferation and federal services.

It was in that post that Weiss played a key staff role in developing the Nuclear Non-Proliferation Act. Weiss has received numerous awards for his scholarly writing and has lectured at Japanese, Polish and Western European universities. Weiss was a Sloan Fellow, and he presently serves on the IEEE board which selects congressional fellows.

## HENRY D. SOKOLSKI

Mr. Henry D. Sokolski is the Deputy for Non-Proliferation Policy in the Office of the Under Secretary of Defense for Policy. He is responsible for developing and coordinating DoD policies to control and counter the proliferation of nuclear, missile, chemical, biological, toxin, and other advanced weapons technologies.

Before his appointment to Deputy for Non-Proliferation Policy in November 1989, Mr. Sokolski worked in the Office of Net Assessment researching advanced proliferation and military modernization plans for NATO.

Prior to joining the Department of Defense, Mr. Sokolski worked as national security advisor to the Vice President's transition team; as senior military legislative aide to Senator Dan Quayle, 1984-1988; as a legislative aide to Senator Gordon Humphrey on nuclear energy matters, 1982-1983, and a consultant to the National Intelligence Council, 1983.

He was the first visiting scholar at the Heritage Foundation in 1982; a Public Affairs fellow at the Hoover Institution, Stanford, California in 1981; a lecturer at the University of Chicago in 1980; Rosary College in 1979 and Loyola University in 1975; and holds a BA *cum laude* in Political Science from Pomona College, in Claremont, California, and a MA in Political Science from the University of Chicago.

Michael D. Rosenthal

Education: B.A. Wesleyan University, 1965  
Ph.D. Cornell University, Solid State Physics, 1972

Professional Research Assistant  
Experience: Program on Science, Technology and Society  
Cornell University  
1971-73

Instructor  
Rutgers University  
Department of Physics  
1973-74

Assistant Professor  
Swarthmore College  
Department of Physics  
1974-77

Physical Science Officer  
U.S. Arms Control and Disarmament Agency  
Non-proliferation Bureau  
Nuclear Safeguards and Technology Division  
1977-81

Senior Officer  
International Atomic Energy Agency  
Department of Safeguards  
1981-86

Division Chief  
U.S. Arms Control and Disarmament Agency  
Non-proliferation Policy Bureau  
International Nuclear Affairs Division  
1986 - present

William Clements

Director, Office of Technology and Policy Analysis. Previously held position of Senior Policy Advisor to Under Secretary for Export Administration, and in this capacity advised Under Secretary on policy, legal, and technical issues related to control of strategic trade and dual-use technology.

Before joining Export Administration in 1988, was Congressional Fellow in office of Sen. Max Baucus and prior to that held various senior policy positions in Nuclear Regulatory Commission. Holds Bachelor of Science degree in Engineering from Cornell University; JD from Suffolk University Law School and Master of Laws degree from Georgetown University Law Center.

## Thursday Speakers

### Dan Cook

Director, Policy Development Division since 1987. Joined Department of Commerce's Office of Export Control in 1966, marking 25th year in export regulatory management programs with Commerce Department. Supervised Exporters Service Staff from 1970-1976. In 1977, became Deputy to Director of Office of Export Administration's Policy Planning Division. Has been involved in most of major policy changes affecting U.S. export controls during past decade and has participated in export control discussions, negotiations with several allied and neutral countries.

With reorganization of Export Administration in 1985, assumed primary responsibility for preparation and publication of regulations governing U.S. exports. Worked four years in export sales and traffic for Wisconsin manufacturer after receiving BA degree from University of Wisconsin.

### Gene Christiansen

Licensing Officer with Capital Goods Commodity Team. Responsible for all aircraft and aircraft components proposed for export to East bloc destinations. Also licenses aircraft-related technical data to all Free World and bloc destinations. Member of Technical Task Group in which he was DOC representative on interagency team that developed proposal to control specialized coating used to enhance gas turbine engine performance and service life. Served on U.S. team that negotiated coating proposal in COCOM. Joined DOC in 1983 after 20-year military career as Air Force officer. Has BS and Master's degrees in Mechanical Engineering from Brigham Young University and University of Missouri, respectively.

### Rose Marie H. Biancaniello

Mrs. Biancaniello is Chief, Arms Licensing Division, Office of Defense Trade Control. The office administers, in accordance with the Arms Export Control Act, the U.S. Government's program to control commercial exports of defense articles and services. In her capacity, she has the management and supervisory responsibility for all licensing officers who review requests.

Mrs. Biancaniello works closely with the principle officers at the Department and other government agencies in the review and coordination of procedures and policies related to commercial arms transfers. Her substantive experience enables her to analyze policy issues and provide an avenue for reconciliation and approval

of contentious technology transfer issues while maintaining consistent foreign policy and national security objectives.

In 1988, Mrs. Biancaniello was Chief of the Aerospace and Ordnance Branch, and prior to that she had principle responsibility for the licensing of aircraft and associated equipment as well as related technical data and technology transfers. Mrs. Biancaniello joined the Department in 1965 and has been associated primarily with the Office of Defense Trade Controls (formerly Office of Munitions Control) where she has performed a variety of functions. She has worked as a statistician preparing reports for the U.S. Congress on Munitions List articles authorized for export and assisted in the development of the initial design of an automated data system which permits instant retrieval of information for status purposes.

### Jim Noble

In his current position, Jim Noble serves as a State Department expert on nuclear supply and technology transfer issues, including trade controls on nuclear-related dual-use commodities and technology. Earlier positions at State and Commerce include a wide range of dual-use trade control programs, including missile technology and chemical/biological weapons non-proliferation; country-specific trade sanctions and embargoes; and multilateral national security controls. He holds bachelors and masters degrees from the University of Michigan at Ann Arbor.

### Frank W. Deliberti

Mr. Deliberti is the Director for the Office of Export Enforcement. In this position, Mr. Deliberti is responsible for stemming the illegal flow of U.S. - origin equipment and technical data to our adversaries; and to halt the proliferation of nuclear, chemical and biological weapons. Mr. Deliberti has national responsibility for the eight enforcement field offices and the Intelligence Division.

Prior to assuming his current duties as Director, Mr. Deliberti served as the Special Agent-in-Charge of the San Jose Field Office and as Team Leader for the Office of Export Enforcement's National Headquarters Staff and the Washington Field Office, for ten years.