# John A. Shanahan, Corresponding Author 660 Detroit St.; Denver, Colorado 80206

Tel. 303 399 0393; E-mail: acorncreek2006@gmail.com

January 11, 2010

Dr. John P. Holdren Director, Office of Science & Technology Policy, Executive Office of the President Washington, D.C.

Dear John,

We met in Palo Alto, California in 1970, while you were working on your doctorate at Stanford University and I was starting an engineering career in nuclear power. You visited my family in Switzerland in the 1980s, where I was working on Nuclear Power Plant Leibstadt. You have also answered questions over the years on applications of Einstein's equations that is much appreciated.

Nearly 40 years have passed. We are both still working to make genuine contributions through science and engineering for the lasting benefit of society and the planet.

Please hear our statement and pass it on to the President.

Peace on earth and preservation of the marvels of nature will not be achieved without a sound energy policy. This policy must include well-managed and well-governed slow- and fast-neutron nuclear power, recycling spent fuels and depleted uranium and possibly thorium. This was the goal of the founding scientists in the 1940s and still is the best way to a reliable and secure energy future.

But the world is leaving us behind. At present, 58 new nuclear plants (including two fast reactors, one in Russia and one in India) are under construction in 14 countries. Of these, 20 are in China, 9 in Russia, 6 each in India and South Korea. Only one is in North America, and that is resumed work on a plant that was mothballed in 1988 when it was 80% finished. France has just announced a \$7 billion commitment for a "sustainable development" program that includes promotion of fourth-generation nuclear reactors — (three of which being fast neutron reactors) a technology in which the United States was once the world leader.

Our nation needs to proceed quickly — not twenty or fifty years from now — while the people who pioneered this science and engineering can still provide guidance to a new generation of scientists and engineers. There is no political, economic or technical justification for delaying the benefits that nuclear power will bring to the United States, while the rest of the world forges ahead.

We have two urgent recommendations.

First, we believe it's imperative to accelerate the licensing and building of slow neutron reactors, the kind now in use, commonly called thermal reactors or water-cooled reactors. For the last 30 years the LWRs in the United States and CANDU reactors in Canada have served us well. Nuclear plants also have the unique capability to convert swords into ploughshares. Under the 1993 US-Russian nonproliferation treaty, over 15,000 Russian nuclear warheads have already been disassembled, and their weapons-grade uranium converted to reactor-grade fuel, which is

currently supplying half of the US nuclear electricity being generated. This program is scheduled to continue into 2013.

While the performance and safety records of the existing reactors have been excellent, the evolutionary improvements in new slow neutron reactors will take both safety and efficiency to an even higher level.

Second, we note that development of fourth-generation nuclear reactors will be needed if nuclear power is to expand significantly beyond its present market penetration — an expansion that is so necessary if our descendants are to have ample energy over the coming millennia. Therefore, we strongly recommend reinstating the development and demonstration of the technology for recycling used fuel — a goal of fast fourth-generation nuclear reactors — as epitomized by the U.S.-developed Integral Fast Reactor (IFR). The IFR transforms used fuel from a "waste" to a major energy resource, and in so doing it happens to resolve a major public concern about nuclear power — the safe use of the long-lived radioactive byproducts. Further, IFRs can utilize excess weapons plutonium effectively and rapidly, while generating revenue instead of costs — a development consistent with Russian recommendations.

Work on the IFR technology was halted just as commercial viability was about to be demonstrated. While the operability of the reactor portion of the IFR was adequately established, a commercial-scale demonstration is needed to settle details of the fuel-processing phase and to refine cost projections. Russia, China, India, Japan, and South Korea have expressed interest in the technology of metal-fueled fast reactors, and would likely contribute to a demo plant in exchange for design and operations information.

Two signatories of this letter, Leonard J. Koch of Arizona and Dr. Evgeny Velikhov of Russia, are Global Energy Prize laureates. This award is characterized as the Russian equivalent of the Nobel Prize for outstanding research to solve the world's energy problems.

The concentrated energy in uranium provides 20% of the electricity in the United States today. We must expand that nuclear contribution rapidly if we are to maintain the welfare of our people, protect our environment, and preserve a leading international role in the safe global evolution of nuclear technology.

Respectfully,

John A. Shanahan Civil Engineer Colorado

Leonard J. Koch, National Academy of Engineering Arizona Joseph M. Shuster Chemical Engineer Minnesota

Theodore Rockwell National Academy of Engineering Maryland

cc. Dr. Steven Chu, Secretary Department of Energy, 24 member Committee — National Academies "America's Energy Future" All members of Congress

# **SIGNATORIES**

# **AUSTRALIA**

**Dr. Barry W. Brook**, Sir Hubert Wilkins Professor of Climate Change, Director of Climate Science, The University of Adelaide. Member, Science Council for Global Initiatives.

## **AUSTRIA**

**Dr. Gerhart Schueller**, Ph.D. CE, Structural Engineering, Stanford Univ. Dr.-Ing. E.h. Ruhr Univ., Bochum, Germany. Senior Lecturer, Tech. Univ. Munich, Chair Prof. Univ. Innsbruck, (1981 - date). Member of CERRAM Consulting Group.

# **CANADA**

#### Alberta

**Laurence G. Hoye**, Professor Emeritus, University of Lethbridge. Founded Dept. of Mathematics and Computer Science 1967. Member Canadian Nuclear Society.

**Dr. Duane Pendergast**, PE, Mechanical Engineer. Retired from CANDU engineering at Atomic Energy of Canada Limited. Website (www.computare.org) on energy and management of greenhouse gases. Chairman, Alberta Branch, Canadian Nuclear Society.

## British Columbia

**Dr. John D'Auria**, Professor Emeritus of Chemistry, Simon Fraser University (Canada) Over 50 years teaching and research in Basic and Applied Nuclear Science (~200 papers) Nuclear chemistry, Radiochemistry, Nuclear Astrophysics at TRIUMF & CERN/ISOLDE.

**Dr. Krzysztof Starosta**, Nuclear Physics. Associate Professor, Department of Chemistry, Simon Fraser University, previously Michigan State University and State University of New York at Stony Brook.

Brian Hall, Political analyst.\*

#### Manitoba

**Dr. Len Simpson**, Physics, Metallurgy. AECL, Fracture Mechanics, Materials Science, Division Director, Reactor Safety Research, AECL. Canadian Nuclear Society. Mayor, Pinawa, Manitoba, Extensive lobbying with federal ministers on decommissioning, Manitoba government on nuclear plants.

#### New Brunswick

**Dr. W. Eugene Goodrich**, Professor Emeritus (History) Mount Allison University. Canadian who very passionately supports nuclear power as the only sane way to generate the amount of electricity the world needs without damaging the environment.\*

#### Ontario

**Tony Clark**, Supervisory Nuclear Operator Bruce Nuclear Power Development (Ret.) \*

**Dr. Dan Meneley**, Chief Engineer Emeritus, Atomic Energy of Canada Ltd. (Ret.) Member, Science Council for Global Initiatives.

**Dr. Peter Ottensmeyer**, PhD FRSC, Senior Scientist (Ret.) Ontario Cancer Institute Professor Emeritus, University of Toronto.

**Prof. J.T. Rogers**, Professor Emeritus, Mechanical Engineering, Carleton University, Ottawa. Nuclear Engineering Consultant. Member, R&D Advisory Panel to Board of Directors of Atomic Energy of Canada Ltd.

## Quebec

**H. Douglas Lightfoot**, Mechanical Engineer (Ret.), MBA Member of Global Environmental and Climate Centre (GEC3), McGill University. Author of Nobody's Fuel DVD.

# **FRANCE**

**Dr. Bruno Comby**, Physicist. President of Environmentalists For Nuclear Energy, an international non-governmental organization based in France, created in 1996, now gathering over 10 000 members and supporters in 60 countries, author of book "Environmentalists For Nuclear Energy" translated and published in 15 languages.

# **GERMANY**

**Dr. William Grossman**, Partner, Transformation Consulting International GMBH - Energy Sector Consulting. Adjunct Professor, Virginia Polytechnic Institute and State University.

**Dr. Wilfried B. Kraetzig**, Prof. Dr.-Ing. habil. Dr.-Ing. E.h., Institut fuer Statik und Dynamik, Ruhr-Universitaet Bochum. Member of ASCE, IABSE, IASS. Analysis, design and safety assessment of world's largest natural draft cooling towers and other power components..

## **INDIA**

**Dr. Baldev Raj**, director of the Indira Gandhi Centre For Atomic Research in Kalpakkam, India, is a member of the elite (INEA). The 150 member INEA is a body of scientists and policy makers engaged in development and utilisation of peaceful applications of nuclear energy throughout the world.

# **NEW ZEALAND**

Bryan Leyland, MS. FIEE, FIMechE, FIPENZ. Consulting engineer specialising in power generation, transmission and distribution. Experienced in hydropower, combined cycle generation, steam power generation, windpower, wave power and tidal power. Follow latest technology in nuclear power. Member of the Expert Advisory Group for the Kalpasar 5800 MW tidal power scheme in India.

## **RUSSIA**

**Dr. Semen (Sam) Dukarevich**, Cryogenics Technology. Former Chief of Ground Freezing Department in Lenmetrogiprotrans Institute, St. Petersburg, Russia, The Council of Ministers USSR Prize Laureate, Cotechnical leaders with Dr. Evgeny Velikhov in building ice shield beneath the Chernobyl catastrophe in 1986. Retired to Colorado, USA, American Citizen.

**Dr. Evgeny Velikhov**, Director of Russia's Kurchatov Institute. A Russian Who's Who did a special article called Man of the Century, not about Gorbachev or Lenin but about Dr. Velikhov. Find his mini-bio on the SCGI site. Like Len Koch, he was a winner of the Global Energy Prize. Member, Science Council for Global Initiatives.

## **SOUTH AFRICA**

Lesley Turner, BS Geology, Chemistry. Geologist of 40 years experience. SA is currently involved in development of the Pebble Bed Modular Reactor technology for nuclear power generation. SA has one successful nuclear power station, Koeberg, and others are planned. Rational energy conservation must be practiced and appropriate use made of sustainable localized solar, geothermal, hydroelectric and wind energy technologies to avoid the huge transmission grid losses.\*

# **SWITZERLAND**

Theo Schaub, Vice Director Nuclear Power Plant Leibstadt. (Ret.) He remembers with gratitude, that the former president Eisenhower had installed an International School For Nuclear Science And Engineering (ISNSE), whereof he could profit of a post graduate study in the years 1956 and for REACTOR SAFETY in 1959/60. Though he sees clearly the limited potential of the known alternative energy sources he thinks that it is useful and justified to explore all possibilities.

**Theo Schotten,** Consulting engineer, 35+ years experience with PWRs and BWRs.

Dr. M. van den Engh, Polymer Scientist.

**Dr. Antonio Tiberini**, Energy expert, PhD Swiss Federal Inst. of Technology, CEO of Newheat LLC, previously Co-CEO of Electric Utility Company, Energy Consultant, Nuclear Safety in Leibstadt Nuclear Power Plant. In 1987 Visiting Prof. for Reactor Engineering at Texas A&M University.

**Dr. Alison E. Vogelaar**, Asst. Professor of Communication and Media Studies, Franklin College, Lugano, PhD Communication of Climate Science. Board member, Center for Sustainability Initiatives.

## **UNITED STATES**

#### Alabama

John Birdsong, COL, MI. Military
Intelligence officer, former Battalion
Commander in Afghanistan, Strategic Advisor
to Saudi Arabian National Guard, specialist in
U.S. Grand Strategy, Intelligence Analysis,
Tactical and Joint Operations. Univ. of
Oklahoma, Central Michigan State University,
Harvard Senior Fellow, Post Graduate
Intelligence Program, and Air War College.
Military tours in Berlin, Iraq, Kuwait,
Guantanamo Bay, Saudi Arabia, Afghanistan,.

**Joseph C. Murray**, BA History & Political Science. US Army. Schwitzer Corporation. Holmes Blowers, Ltd.\*

#### Arizona

**Edgar Brooks**, BA Education, MBA, LT USN (Ret.) Qualified Submariner and Nuclear Reactor Operator. Senior manager in several corporations providing support services to the civilian nuclear power plants and facilities in the U.S.\*

**Dr. Doug L. Hoffman**, Computer Science. Data Center Architect. Co-author of The Resilient Earth, a book about life, science and the planet we live on. \*

Leonard J. Koch, National Academy of Engineering, Fellow, American Nuclear Society. Assoc. Proj. Engineer EBR I, the first nuclear power station in the world. Proj. Mgr. EBR II, the first integrated fast neutron reactor power station incorporating fuel recycling. Received the Gloval Energy International Prize from Russia in recognition of my work in 2004. Member, Science Council for Global Initiatives.

**Dr. Terry J. Lovell**, Business Computer Science. Yavapai College. Almost 3 decades of college educating. Nuclear power could be our new SPACE PROGRAM. Start building NP and a fleet of all electric transport vehicles. Erase federal debt. Fund new wave of natural scientists and engineers. An American Renaissance!\*

Eugene B. Veek, BS physics, math, MBA. USN (Ret.) Submariner and former Commanding Officer of a US submarine. Consultant to The Rand Corporation. Elected to New York Academy of Science.\*

# California

**Dr. H. Sterling Bailey**, Nuclear Engineering Consultant, PE. Four plus decades of technical and managerial involvement in LWRs, metal-cooled fast reactors, space power reactors for exploration bases and propulsion.

**Dr. Jay Berry**, Doctor of Optometry. 4 years in USAF. 40 yrs in private practice.\*

**Kim Berry**, Computer Scientist, magna cum laude.\*

Valerie Berry, BS, Business Admin,. Summa Cum Laude. Business Development Manager.\*

**Tom Blees**, Author "Prescription for the Planet - The painless remedy for our energy and environmental crises" President, Science Council for Global Initiatives.

Charles Boardman, MS ME. Led GE Advanced Reactors Team. Member of the DOE sponsored GEN IV Advanced Concept Selection Group which spent two years evaluating Advanced Nuclear Reactors of every type. VP Nuclear Services Cameron Consulting.\* **Daniel S. Boessow**, BEE, MBA. RCA, US Army. Supervisor operational ground communications systems at Kennedy Space Center. Manager, ground communications and telemetry for ITT Federal Electric Corp. Software and Systems Development Manager for SAIC.\*

Neil W. Brown, Engineering Consultant, PE.

**Douglas G. Carroll,** P.E., Engineering Consultant, Director, Science Council for Global Initiatives, 45 years design, analysis, and startup of commercial nuclear power plants in 5 countries. Design of PRISM reactor. Retired from GE Hitachi Nuclear Energy after 38 years developing commercial nuclear power for earth and space applications.

**Kevin T. Casey**, BS Accounting. CPA Insurance Broker for the Construction Industry.\*

**Dr. Alexander DeVolpi**, Nuclear Physicist, Argonne National Laboratory (retired), Nuclear arms-control and treaty-verification technology. Author of "Nuclear Insights – The Cold War Legacy" Volumes 1, 2, 3.

**Dr. Jeff Eerkens**, nuclear engineer was in the first graduating class of U.C. Berkeley's Department of Nuclear Engineering. Author of "The Nuclear Imperative - A Critical Look at the Approaching Energy Crisis (More Physics for Presidents)", Adjunct Research Professor Nuclear Science & Engineering Institute U of Missouri. President, Prodev Consultants. Member, Science Council for Global Initiatives.

Kenneth D. Flauding, II, BA Business Administration US Army Sergeant E5 (Ret.). Stanford University as an IT Facilities Engineering Project Manager.\* **Sarah Foster**, BS anthropology, MA mythology. Writer. Supports nuclear power. \*

**Thomas P. Griffin**, Special Agent FBI (Ret.), 32 years.

Christopher Horgan, Executive Director, Stewards of the Sequoia, Conservationist.\*

**Dr. Bryce W. Johnson**, Nuclear Engineering, Professional Nuclear Engineer (retired). Worked actively in nuclear engineering research for over 50 years, spending the last 32 years as a senior staff scientist at Science Applications International Corporation.\*

Susan Kennedy, Paralegal, (Ret.).\*

Joseph G. Kerwin, PhD, Co-founder of Yoogli, Inc. Seminal patents in Semantic Search Technology. Dedicated to advancing Web-based solutions in semantic search and semantic networking technologies.

**Steve Kirsch**, CEO Kirsch foundation – Member, Science Council for Global Initiatives.

**Richard W. Knudson**, BA/BS Economics; Retired business owner.\*

George Lyddane, US Air Force Academy, Engineering. Former Vietnam vet and military and civilian test pilot. Former FAA Chief Scientist and Technical Advisor on Flight Management. Senior Vice President and Director of Airworthiness for AeroNimbus Aircraft Company.

Jim Leverentz, MBA. US Navy and aerospace industry. Have been a Principal Contracting Officer for the US Navy, a contracts manager for Hughes Aircraft Company, the Deputy Director of Contracts for XonTech, Inc. Currently a contracts manager for Northrop Grumman Systems Corp.\*

**Don E. Lutz**, BS ME. PE. Design and procurement for Enrico Fermi Fast Breeder nuclear power plant. Argonne National Lab EBR II, General Electric Nuclear Fast Reactor Program.

Peter McWilliams, BS math, physics MBA. Offshore marine oil exploration. Petroleum marketing - Shell Canada Limited. Residential real estate development entrepreneur. Thanks for opportunity to assist correcting this glaring inadequacy in our country's power infrastructure.\*

**Dr. Ralph Moir**, retired Lawrence Livermore National Laboratory. Nuclear Engineer. Consultant. PE. Fellow, American Nuclear Society.

David J. Paul, Chemical Engineering, Meteorology, Management Science. USAFR (Ret.). Chairman, The Cameron Group a California Corporation (C Corp) enabling companies achieve their nuclear power goals, education of legislators and the public to the benefits of nuclear power, and support and development of small, modular nuclear reactors. "Energy, Engineering, Education, Environment"\*

Richard Rhodes. Writer. Pulitzer Prize in Nonfiction for The Making of the Atomic Bomb. Author, Nuclear Renewal; Dark Sun: The Making of the Hydrogen Bomb; Arsenals of Folly; The Twilight of the Bombs (forthcoming Sept. 2010)

**Edwin Sayre**, Engineer (Ret.) Helped design and build nuclear plants around the world.

**Steve Scheye**, BS-Chemical Engineering, BS-Pulp and Paper Technology, PE. Design Engineer in Petroleum Manufacturing and Pulp and Paper.\*

Marc C. Seward, BA. ChFC, CLU Principal Heritage Wealth Management, LLC. agree Nuclear Power must be used in the United States. Principal of one of largest independent wealth management firms in Southern California.\*

**Robert E. Sims**, News Director 20+ years in Los Angeles (Ret.).\*

Gordon H. Smith, BS pure mathematics. MBS. Rear Admiral, USN (Ret), Naval Aviator. Service also included Acting Deputy Under Secretary of Defense, Research and Advanced Technology, Vice Commander, Naval Electronics Systems Command. Since Navy retirement has served as CEO/President of five high technology companies.

**Steve Smith**, BS Business Administration. Owner/President of Mission Peak Business Products, Inc.\*

**Dr. Michael Spaeth**, Chemical Engineer. Career in nuclear waste management and nuclear fuel reprocessing covering PWR, BWR, HTGR and Breeder Reactor technologies. Battelle, Exxon Nuclear, and Science Applications International.\*

**Edward A. Veek**, BA IBM Corp, 30 years, engineer.(Ret.) U. S. Navy, Petty officer.\*

**Keith von Borstel**, Horticulturalist. The Science Council for Global Initiatives.

**Susan von Borstel**, Artist. The Science Council for Global Initiatives.

**James Wobser**, Physicist, Lawrence Livermore National Laboratory (Ret.).\*

#### Colorado

Dr. Charles B. Archambeau, Physicist, Geophysicist. MacArthur Fellowship. Foreign member of the Russian Academy of Sciences. Public Service Award from the Federation of American Scientists in recognition of his "leadership in applying seismology to the banning of nuclear tests." President of Technology Research Associates Corporation. Previously: University of Colorado Attendant Rank Professor of Physics, Theoretical and Applied Geophysics Group. Attendant Rank Professor of Geological Sciences at the University of Colorado. Professor of Geophysics at the California Institute of Technology. Member of the scientific research staff at the Cooperative Institute for Research in the Environmental Sciences (CIRES), a joint institute of the U.S. Department of Commerce (NOAA) and the University of Colorado.

**Joe Blanc**, Associate in Liberal Arts. IT technician at a Community College.\*

**Dr. Lon Brouse**, BA chemistry Physics, Math. DC 25 Years as an environmental chemist working for: Reynolds Aluminum Company, Colorado Ute Electric Association, Arizona Public Service Company, Calgon Heavy Industrial Water Treatment Services Ecolab Corporation.\*

**David J. Bufalo**, BS CE, PE, Management Consultant. Major, US Army Reserve, Corps of Engineers (Ret.). 40+ years experience in management of design and constructions projects including five years of Arctic construction techniques.\*

Michael K. Curtis, BA Economics and Finance VP, The Neenan Company, developer of rural replacement hospitals throughout the western United States. Member, National Rural Health Association, the Colorado Hospital Association, and the Colorado Center for Rural Health.

**Craig Green**, PE, BSME, MSCE. PE, hydrologist and water resources consultant. U.S. Air Force Officer and Space Systems Analyst.\*

**Dr. Howard C. Hayden**, Professor Emeritus of Physics, U Conn.\*

James L. Jehn, C.P.G., President, Jehn Water Consultants, Inc. MS degree Wright State University, Ground Water Hydrology. 37 years experience in water resources, water rights water supply consulting in Colorado and surrounding states. Registered Professional Geologist.

**Marcia Johnson**, Denver City Council. Sees the validity of moving toward nuclear energy as a power source.

**Demetry Koretskiy**, 11<sup>th</sup> grade. Math, science, history, languages (Russian, Hebrew, Spanish, English). Wants to become scientist or engineer.

**Dale Reaves**, Designer of custom Southwest homes with Native American architectural details. Designer of industrial facilities in United States, Europe and Russia.

**Sandra S. Roark**, Registered Nurse 47 years. President and owner of a printing company 16 years.

**Dr. John A. Shanahan**, Nuclear power design and licensing USA and Switzerland. Investment Advisor.

Dr. Randolph 'Stick' Ware, Nuclear Physics. Radiometrics Corporation – Founder and Chief Scientist. National Center for Atmospheric Research. Formerly: University NAVSTAR Consortium and SuomiNet (Global Ground-Based GPS Atmospheric Water Sensing Network), Founder and Director. GPS/MET. University Corporation for Atmospheric Research.\*

**Dr. Robert Williams**, Public Policy. Former Chairman and CEO of Policy Studies Inc.

#### Connecticut

Maryann Gmelin Collier, BA Education. Teacher, Volunteer including on Army Posts and in White House.\*

**Howard B. Mirkin**, LCDR, USN (ret), Any American who understands our energy needs should sign this letter to Washington.\*

**Dr. Edmond O'Connell**, Professor of Chemistry, Fairfield and Yale Universities.

## Florida

**Price Baker**, 11<sup>th</sup> grade. Home educated. Has had honor of competing in speech and debate on both the regional and national levels in the National Christian Forensics and Communication Association. Has been District 6 winner Voice of Democracy speech contest hosted by the Veterans of Foreign Wars two years running.

**S. Locke Bogart**, Fission and Fusion Energy Systems Analyst and Synthesist.

Martin McClellan, BS Mathematics, MS Space Systems. Integration Engineer on our Nations Space Shuttle.\*

**Dr. A. David Rossin**, Assistant Secretary of Energy 1986-87. President ANS 1992-93.

## Georgia

**Dennis Brannon**, BS Computer Science, MBA. CPA 15 years technician Fortune 200 companies. 15 years CPA.\*

**Lisa Birdsong**, BA. Military spouse, mother, teacher, and small business owner. She owns a small business selling wholesale furniture and tutors students in English, Communications, and Leadership.

Mary Claire Birdsong, 10<sup>th</sup> grade. Georgia finalist in oratory speech, regionally qualified debate student in NCFCA. Recognized for excellence in 2008- 2009 by the Optimists Club, the American Legion, and Toshiba / National Science Teachers Association. Debate team on nuclear energy.

Warren B. Causey, Vice President, Sierra Energy Group. A Division of Energy Central \*

**Dr. Michael L. Ford**, Th.D. Dean, founder of Jonsquill Ministries Buchanan, Georgia, CUA CP.

#### Hawaii

Mark S Blackburn, MBA, Business Analyst, Bishop Estate.\*

Randy Weir, BA Construction Management, MA Economics. Owned and operated RS Weir General Contracting Inc since 1976. We are high end residential contractors.\*

#### Idaho

**Dr. Gene Malvino**, PhD International Business Administration Professor (Ret.) International Business and Marketing, traveled, studied and taught in Europe, Latin America and Asia including China, Japan and Russia. Careers in higher education, agribusiness, construction, retailing, business management.\*

**Edward F. Russell**, BS, MS geology. 30 years, (27 with Conoco), exploration for natural resources - oil and gas, uranium, coal, as well as mineral exploration. Registered professional geologist.\*

**Dr. Charles E. Till**, Member, National Academy of Engineering. Fellow, American Nuclear Society. Walker Cisler Medal of American Nuclear Society. Member, Science Council for Global Initiatives.

Vern Westgate, BS EE US Air Force Korean War. Systems Engineer, North American Aviation, Aeronutronics, Philco-Ford, Hughes Aircraft Company, ISC Systems Corporation, Boeing Commercial Airplane.\*

#### **Illinois**

**Dr. Theodore Bauer**, Nuclear Engineer. Nuclear Physics. Argonne National Laboratory.

Dr. Roger N. Blomquist, Nuclear Engineer.

**Steve Goreham**, BS, MS, MBA Author, speaker, researcher in climate science, electrical engineer, business executive.\*

**Dr. William H. Hannum** (Ret.), DOE reactor physics, reactor safety, high level waste treatment; TVA safety review board; OECD Nuclear Energy Agency, Argonne National Lab. Fellow, American Nuclear Society. Member, Science Council for Global Initiatives.

**Dr. Jay Lehr**, Science Director. The Hearland Institute.

Gerald E. Marsh, Physicist, Argonne National Laboratory (Ret), Consultant to the Department of Defense during three administrations. Fellow, American Physical Society.

**Dr. George Stanford**, Reactor physicist, retired from Argonne National Laboratory. Member, Science Council for Global Initiatives.

**Dr. Armando Travelli**, Senior Nuclear Engineer and Manager, ANL RERTR Program, 1978-2005 (Ret.).

#### Louisiana

**Dr. Edward Zganjar**, Ph.D. Experimental Nuclear Physics. 40 years in nuclear structure research, more than 250 publications. LSU Alumni Professor. Research at Oak Ridge National Laboratory, Argonne National Laboratory, Berkeley National Laboratory, Brookhaven National Laboratory, GSI, Darmstadt Germany, and CERN.

## Maryland

Rod Adams, US Naval Academy, CDR US Navy. Founder, Adams Atomic Engines, Inc. Publisher, Atomic Insights. American Nuclear Society Presidential Citation, MS Systems Technology, US Naval Postgraduate School, Naval War College.

Theodore Beresovski, BME RPI, MS Engineering Physics Cornell; 1953-1959. Nuclear projects engineer in industry. Joined AEC in 1959. Participated in and directed nuclear reactor design and systems evaluations. From 1979 to 1986 worked at UNESCO, including participation in European Solar and Wind Energy Committees.

William H. Choquette, Philanthropist to education and builder of Vietnam War Memorial in Washington, D.C.

Ray A. Hunter, Chemical Engineer, Atomic Energy Commission, Office of Nuclear Energy, Science and Technology (NE). For contributions to development of Liquid Metal Reactor Technology, awarded the Walker L. Cisler Medal from American Nuclear Society. Listed in "Who's Who in Science and Engineering." Member, Science Council for Global Initiatives.

**Dr. Norman D. Meadow**, Principal Research Scientist, retired. Dept. of Biology. The Johns Hopkins University. He understood for many years that nuclear power will be far less damaging to the biological world than renewable energy sources. Has been heavily involved in supporting nuclear power for the past 2 years. The Maryland Conservation Council outright supports building more nucelar plants in MD. \*

**Dr. Theodore Rockwell**, National Academy of Engineering; Manhattan Project; Technical Director Naval Reactors (1949-64). Listed in "World Who's Who in Science from Antiquity to Present".

#### Massachusetts

**Theodore N Kirchner**, MS ChE, over 30 years experience in safely manufacturing fine chemicals.\*

Charles F. Reeves, MS Civil Engineering, Fellow, American Society of Civil Engineers, PE. Directed safety analyses and designs for boiling and pressurized water reactors and high temperature gas-cooled reactor systems. (Ret. from Stone and Webster Engineering Corp.).

**Dr. Berol Robinson**, Physicist (AB Harvard '48, PhD Hopkins '53). Retired science and science education officer of UNESCO. He is member of the Association des Ecologistes Pour le Nucléaire (AEPN), president of American affiliate Environmentalists For Nuclear Energy (EFN).

# Michigan

**Dr. Dale Brethower**, Professor Emeritus of Psychology. Western Michigan University.\*

Mark Forbert, BS government, world history, US history teacher, L'Anse Creuse HS North, Macomb MI.\*

**Duane Lawton**, BSEE, MBA. 36 years in IT management. (Ret.).\*

**Dr. David Taylor**, President Emeritus, Western Illinois University, retired - former Marine, professor of educational psychology.\*

#### Minnesota

John Adams, (Ret.) Senior Lab Automation Specialist for the Rochester MN IBM Laboratory.\*

**Cory M. Lownsbury**, BS Electrical Engineering, PE.\*

**Joseph M. Shuster**, Chemical Engineer, Author of "Beyond Fossil Fools, The Roadmap to Energy Independence by 2040" Member, Science Council for Global Initiatives.

#### Missouri

**Robert Herzog**, He has been a Builder/Developer for 45 years and firmly believe the nuclear option is the correct answer. \*

#### Montana

Philip Baker, Construction worker (Ret.).\*

**Dr. Edwin X Berry**, Physics. Thesis is summarized in cloud physics textbooks and taught in university courses. My mathematical breakthrough to calculate collection of particles with a mass range of 12 orders of magnitude was used in astronomy to help calculate the formation of the universe. Chief scientist and manager of the Desert Research Institute's airborne research facility. National Science Foundation Program Manager for Weather Modification. Managed NSF's leading-edge national weather research projects, including the Metropolitan Meteorological Experiment (METROMEX) and the National Hail Research Experiment (NHRE). Since 2001, He has focused on the global warming problem. Global warming is intimately tied to my knowledge of cloud physics, numerical modeling, meteorology, weather modification and management of government weather modification research. Atmospheric Physicist, American Meteorological Society. Director Climate Physics, LLC. www.climatephysics.com.\*

Marvon H. Cargill, Lewis and Clark College.\*

**Rhoda Cargill**, University of Washington, College of Fisheries.\*

**Aubyn Curtiss**, 24 years in public office. Supports nuclear power. \*

**James Edmiston**, BA. Served in ETO WWII 26th Inf 3rd Army.\*

George Everett, BS Business. Montana House of Representatives: 2002-2008 Committees: Natural Resources; Fish Wildlife & Parks; Judiciary. Real Estate-30 yrs. Business Owner- 30 yrs.\*

**Jim Foster**, BS CE 24 year career in military, Lt Col. (Ret.). Chief of Facility Management Glacier National Park.\*

Chad Graham, President, Graham Design and Construction. Kalispell Planning Board/Zoning Commission member.\*

**Doug Hamilton,** Bachelor of Commerce. International banking in four different countries. Supports nuclear power. \*

**Dan Happel**, BS - City Planning. Founder and CEO - Happel & Associates, Founder and COO - Coronado Corporation.\*

**Don F. Hart**, BS ME, MS Materials Engineer. Lt. Col. USAF (Ret) Experience includes weapon system development, space system engineering, development, procurement and operations. Aircraft flight operations and training.\*

**Fred D. Hodgeboom**, BS Forestry, Certified Silviculturist, USFS R-1. 32 years in U.S. Forest Service, (Ret.).\*

Verdell Jackson, MBVE. High school teacher, college professor, school superintendent. Montana State Representative and Montana State Senator. A member of the Montana State Energy Committee which is currently writing the Montana State Long Range Energy Plan.\*

**Linda Johnson,** Ret. Advsg. Sales Manager - USA division for 34 nation Computer Publication.\*

Patricia Kirkland, Mill worker (Ret.).\*

**David Maurer**, MS CE, MA Business. Graduate of USN Nuclear Power School. Thirty years Corps of Engineers, including program management in US Army Nuclear Power Program. Colonel US Army (Ret.).\*

**John Mauzey**, Engineer (Ret.) Designed and built embedded systems for consumers and engineers. \*

Thomas McElwain, BS Business Administration, (Ret.), The Montana Power Company and Stewart Title of Flathead County; (Ret.) Lt. Col., Montana Army National Guard. \*

Sean McGrew, Analytical Chemist.\*

Tony O'Donnell.\*

**Dr. Peter O'Reilly**, MD. Board Certified Anesthesiologist (Ret). \*

**Dr. Steven Palmieri**, Chemistry. Post-doctorate German Cancer Research Center Heidelberg Oncogenes & Tumor Viruses. Doctor of Osteopathy.\*

James F. Rathbun, BS Forest Management. US Air Force. Thirty-four years US Forest Service. Retired as Forest Supervisor of Kootenai National Forest\*.

**Keith Regier**, Retired elementary teacher. Montana State Representative from HD#5.\*

**Jan Rogers**, (Ret.) Proposal writer for City of San Bernardino, CA Water Dept.\*

**Senator Bruce Tutvedt,** supports nuclear power. \*

Paul Vallely, US Military Academy at West Point. MG US Army (Ret.) Chairman Stand Up America and Save Our Democracy. Coauthored the book "Endgame – Blueprint for Victory for Winning the War on Terror." \* **Glenn J. Wehe**, BS,MS Macro Economics & Finance, Educator (K-12).\*

Julie Wolf, Teacher, (Ret.).\*

Nevada

Leonard Emery, USAF TSgt Ret.\*

James A. Kudrna, BS Economics and Business. Owner several real estate companies.\*

# New Hampshire

John E. (Jed) Williamson, BA, M Ed (Ret.) President of Sterling College in Vermont. U.S. Biathlon Team in the 1960's while serving in the U.S. Army. Board of the American Alpine Club. Association of Experiential Education. National Outdoor Leadership School. Wilderness Risk Managers Committee.

## New Jersey

**Gadi Levin**, BS ME. 30 years managed construction projects mostly in the North Eastern.\*

Barnes Moore, BA. Account Executive.\*

**Charlie Opalek**, BSME, PE. President of Opalek Engineering Associates PC.\*

#### New Mexico

Dr. D. Richard ("Rip") Anderson, organic chemist and chemical oceanographer. Expertise in nuclear environmental health and safety and probabilistic risk assessment. Led four major projects at Sandia National Laboratories, including one that made possible the opening of the Waste Isolation Pilot Plant.

**Anthony J. Francomano**, Educator 46 years, friend of scientists at Los Alamos and Sandia National Laboratories.

Mark L. Miller, M.S. Radiological Health Physics. Radiation Safety, Environmental Radiation Monitoring, Environmental Restoration

**Gary Millhollon**, Sr. VP Bank of Albuquerque. \*

Harrison H. Schmitt, Former United States Senator from New Mexico. Geologist as well as a former Apollo Astronaut. He currently is an aerospace and private enterprise consultant and a member of the new Committee of Correspondence.\*

#### New York

**Gwyneth Cravens**, MA English Literature. Woodrow Wilson Fellow. Editor at The New Yorker, Harper's. Published five novels and non-fiction, "Power to Save the World: The Truth About Nuclear Energy." \*

**John Droz, Jr.,** Physicist and Environmental Advocate. \*

James Gmelin, Lawyer, naturalist (Ret.).

Dr. James E. Hansen, Physics, Astronomy. Director: NASA Goddard Institute for Space Studies. Adjunct Professor: Earth and Environmental Sciences, Columbia University. Research Interests: Radiative transfer in planetary atmospheres and interpretation of remote sounding of atmospheres. Development of global climate models. Analysis of climate change, current climate trends, and projections of man's impact on climate. Member, Science Council for Global Initiatives.

**Jonathan Hirschey**, BA, BS, MBA. Inside Sales Manager at a paper mill.\*

**Alan Raphael**, Civil Engineer, P.E., M. ASCE Brookhaven National Laboratory. Engineering design and safety analysis on BWR, PWR, Fast Neutron and HTRL.

## North Carolina

Larry Bailey, CAPT (SEAL), USN (Ret.).\*

Jeffrey C. Long, BA Geology, former Captain US Army Special Forces and Civil Affairs; Governor's appointee to the North Carolina General Assembly's Public Health Study Commission.\*

#### North Dakota

**Richard Spaeth**, Geologist. Well site geologist New Mexico, Texas, Oklahoma, Arizona, Montana and North Dakota, (Ret.). \*

## Ohio

Jack I. Hope, worked for Director of the Office of Science and Technology during the Nixon administration, 1971-1973, before the word "Policy" was added by President Ford. General Electric, manager of advanced engine programs. North American Aviation, Director of propulsion and thermodynamics.

Dr. Joseph P. Martino, Physics, EE, Mathematics. Fellow, Institute of Electrical & Electronics Engineers Fellow, American Association for the Advancement of Science. Associate Fellow, American Institute of Aeronautics & Astronautics. COL USAF (Ret.). Senior Research Scientist, Univ. of Dayton Research Institute. Faculty, Yorktown University.\*

#### Oklahoma

**Dr. Lewis Norman**, Organic Chemistry. 34 years research in oil and gas well service Halliburton Energy Services. Wish you the best in your fight to put Nuclear Energy highest on the priority list. The future of our nation, and our children depends on it.\*

## Pennsylvania

John Allmon, MS Environmental Health & Safety Nuclear Plant Simulation Test Director, 32 years in commercial nuclear power as a reactor operator and an instructor for SRO/RO requalification programs. U.S. Navy, five years reactor operator on nuclear submarine, instructor for Naval Nuclear Propulsion School.\*

**Dr. Bernard L. Cohen**, Professor Emeritus of Physics, University of Pittsburgh.

**Glenn Czulada**, America's population is growing and our energy needs will increase in coming decades. We need safe, relatively inexpensive nuclear power.\*

#### **Tennessee**

**Donald R. Riley**, MS; Physics. K-25 (Manhattan Project); Aircraft Nuclear Propulsion; Southeast Fast Oxide Reactor; Fast Flux Test Facility; Clinch River Breeder Reactor.

#### Texas

**Robert G. Bening**, MS CE, PE Colonel, US Army, Corps Of Engineers, (Ret.) 26 years Environmental Engineering Consulting.\*

William G. Driscoll, Jr., Special Agent in Charge (Ret.) U.S. Secret Service. A Former Supervisory Agent for Henry A. Kissinger, White House. **Dr. Warren S. Duncan**, BS, MS - Geology, PhD - Geophysics. Career in the oil industry.\*

**Carol Quinn Gonzales**, BA-Behavioral Studies, BS-Psychology, Graduate Student-Psychology. Educator.\*

**D. John Hott**, BBA, JD, LLM Oil and Gas Professional with over thirty years of experience.\*

**Andy Kienlen**, 12<sup>th</sup> grade. Top 10% of class. Taking 6 AP classes. Written two outstanding and much quoted position papers on nuclear power. Career objectives: major in nuclear engineering, minor in accounting or chemical engineering.

**Dr. Patricia A. Lapoint**, Professor of Management, School of Business, McMurry University. \*

Monte Pendleton, BS Civil Engineer.\*

**Bill G. L. Stafford**, Explored, evaluated and exploited water world wide. Research of Earth Plate movements, Volcanoes and earthquakes. Disabled veteran of the Korean War.\*

## Virginia

**Dr. Peter J, Dirr**, Educator, Grandfather of 7 who will live in a world that needs to be powered at least in part by nuclear.

**Jacob Heinz**, BS EE. U.S. Naval Academy. Master of Business. Executive in Telecommunications Industry.

**Megan Soyster Heinz**, BA Communications, Spanish. Licensed Real Estate Appraiser.

**Dr. John W. Landis**, Nuclear Engineer, National Academy of Engineering, Past President of American Nuclear Society, retired President of Gulf General Atomic Co., Senior VP Stone & Webster Engineering Corp. (Ret.).

**Dr. S. Fred Singer**, physicist, Prof (em) U of Virginia; former Chief Scientist, DOT; former Consultant to DOE on nuclear fuel disposal.

Harry (Ed) Soyster, BS U.S. Military Academy, MS Chemistry, MS Systems Management, National War College. Career Army officer retiring as Director, Defense Intelligence Agency with rank of Lt. Gen.

**Karin Soyster**, BS Education. Non Profit Trade Organization for Baking Industry.

James M. Williams, Retired Nuclear/Chemical Engineer. Los Alamos, AEC, ERDA/DOE. Fast reactor technology, nuclear safeguards and nuclear fusion.

## Washington State

**Dr. Robert W. Albrecht**, Professor (emeritus) Nuclear Engineering and Electrical Engineering, University of Washington.

**Samuel J. Beard**, (Ret.) President, Chairman of the Board and Chief Executive Officer of Exxon Nuclear Company.

**David L. Blessing**, 32 years with Naval Reactors evaluating alternative reactor concepts.

**Dr. David Bodansky**, Professor Emeritus of Physics, University of Washington. Author of "Nuclear Energy: Principles, Practices, and Prospects."

**David Boleneus**, MS, MBA, Licensed geologist, geophysicist, mineral examiner, US DOI (ret.) and industry: identify and assess metallic and energy mineral deposits, mineprocessing cost-consultant to International Atomic Energy Agency (IAEA) Div. of Nuclear Fuel Cycle.

**Dr. Nancy K Crotty**, MD, Board certified internal medicine. Mother of four sons, two serving in U.S. Army with time in Iraq / Yemen. Retired from 24 years medical practice. She fully supports modern nuclear power and encourages its development in the U.S.\*

Carl Holder, Fast Flux Test Facility. \*

Gary F. Howden, Sr. Principal Engineer, (Ret.), Westinghouse Hanford Company, managed design and development of nuclear fuel fabrication facilities for the Fast Flux Test Facility (FFTF), supervised design and development of hot cell irradiated fuel examination equipment for the Fuels and Materials Examination Facility (FMEF).\*

**Dr. David H. Lester**, Chemical Engineer. 40 years experience in chemical and nuclear engineering including 36 years specializing in hazardous and nuclear waste management. Design, construction, and operation of high-temperature sodium systems for fast flux breeder reactors.\*

**Norman MacLeod**, Consulting in natural resource policy design.\*

Wesley McCart, BS, Biomathematics.
Farmer. Chair Washington State Farm Bureau
Climate Change Committee. Stevens County
Farm Bureau – President. Language past by
the delegates at Washington Farm Bureau
2009 meeting for increased nuclear power and
recycling of nuclear fuel.\*

**Karen Murray**, BA. Educator, Homemaker, VP of Spokane College Women's Association.\*

**Arthur Seddon**, Chief of Fire Direction, U.S. Army Artillery, Korea. Manufacturing Engineer, Aerospace programs.\*

**Bonnie Shannon**, BA, Social Sciences. High School and Grade School teacher 19 years.\*

Michael E. Williamson, Marine Geophysicist, Board of Directors, The Science Council for Global Initiatives.

**Dr. Paul Wilson**, Electrical Engineer. Quality Assurance BWR, PWR, DOE Weapons Facilities. Author, Root Cause Analysis, Performance Based Assessments.

## **Wyoming**

**Dr. John Wirth**, Engineering. President, Founder and Owner Woodworker's Supply, Inc.\*

## **VIETNAM**

Martin Dockery, Lawyer. Career advocating and defending nuclear power in the United States. Living with family in Vietnam, teaching English and History. Author of "Lost in Translation," a personal account of a Combat Advisor in Vietnam in the early 1960s.

<sup>\* -</sup> Indicates name from ClimatePhysics.com and StandUpAmerica.

#### ALPHABETICAL LIST OF SIGNATORS

John Adams, Minnesota Rod Adams, Maryland

Dr. Robert W. Albrecht, Washington

John Allmon, Pennsylvania

Dr. D. Richard Anderson, New Mexico

Dr. Charles B. Archambeau, Colorado

Larry Bailey, North Carolina

Dr. H. Sterling Bailey, California

Philip Baker, Montana Price Baker, Florida

Dr. Theodore Bauer, Illinois

Samuel J. Beard, Washington

Robert G. Bening, Texas

Theodore Beresovski, Maryland

Dr. Jay Berry, California Kim Berry, California

Dr. Edwin X Berry, Montana

Valerie Berry, California John Birdsong, Alabama Lisa Birdsong, Georgia

Mary Claire Birdsong, Georgia

Mark S Blackburn, Hawaii

Joe Blanc, Colorado Tom Blees, California

David L. Blessing, Washington

Dr. Roger N. Blomquist, Illinois

Charles Boardman, California

Dr. David Bodansky, Washington

Daniel S. Boessow, California

S. Locke Bogart, Florida David Boleneus, Washington

Dennis Brannon, Georgia

Dr. Dale Brethower, Michigan

Dr. Barry W. Brook, Australia

Edgar Brooks, Arizona

Dr. Lon Brouse, Colorado

Neil W. Brown, California

David J. Bufalo, Colorado

Marvon H. Cargill, Montana

Rhoda Cargill, Montana

Douglas G. Carroll, California

Kevin T. Casey, California

Warren B. Causey, Georgia William H. Choquette, Maryland Tony Clark, Canada

Dr. Bernard L. Cohen, Pennsylvania

Maryann Gmelin Collier, Connecticut

Dr. Bruno Comby, France

Gwyneth Cravens, New York

Dr. Nancy K Crotty, Washington

Michael K. Curtis, Colorado

Aubyn Curtiss, Montana

Glenn Czulada, Pennsylvania

Dr. John D'Auria, Canada

Dr. Peter J, Dirr, Virginia

Martin Dockery, Vietnam

William G. Driscoll, Jr, Texas

John Droz, Jr., New York

Dr. Alexander DeVolpi, California

Dr. Semen (Sam) Dukarevich, Russia

Dr. Warren S. Duncan, Texas

James Edmiston, Montana

Leonard Emery, Nevada

George Everett, Montana

Dr. Jeff Eerkens, California

Kenneth D. Flauding, II, California

Mark Forbert, Michigan

Dr. Michael L. Ford, Georgia

Jim Foster, Montana

Sarah Foster, California

Anthony J. Francomano, New Mexico

James Gmelin, New York

Carol O. Gonzales, Texas

Dr. W. Eugene Goodrich, Canada

Steve Goreham, Illinois

Chad Graham, Montana

Craig Green, Colorado

Thomas P. Griffin, California

Dr. William Grossman, Germany

Brian Hall, Canada

Doug Hamilton, Montana

Dr. William H. Hannum, Illinois

Dr. James E. Hansen, New York

Dan Happel, Montana

Don Hart, Montana

Fred D. Hodgeboom, Montana

Dr. Howard C. Hayden, Colorado

Jacob Heinz, Virginia

Megan Soyster Heinz, Virginia Robert Herzog, Missouri Jonathan Hirschey, New York Dr. Doug L. Hoffman, Arizona Carl Holder, Washington Jack I. Hope, Ohio Christopher Horgan, California D. John Hott, Texas Gary F. Howden, Washington Laurence G. Hoye, Canada Ray A. Hunter, Maryland Verdell Jackson, Montana James Jehn, Colorado Dr. Bryce W. Johnson, California Linda Johnson, Montana Marcia Johnson, Colorado Susan Kennedy, California Joseph G. Kerwin, California Andy Kienlen, Texas Patricia Kirkland, Montana Steve Kirsch, California Theodore N Kirchner, Massachusetts Richard W. Knudson, California Leonard J. Koch, Arizona Demetry Koretskiy, Colorado Dr. Wilfried B. Kraetzig, Germany James A. Kudrna, Nevada Dr. John W. Landis, Virginia

Dr. Patricia A. Lapoint, Texas Duane Lawton, Michigan Dr. Jay Lehr, Illinois Dr. David H. Lester, Washington Jim Leverentz, California Gadi Levin, New Jersey

Bryan Leyland, New Zealand H. Douglas Lightfoot, Canada Jeffrey C. Long, North Carolina Dr. Terry J. Lovell, Arizona

Cory M. Lownsbury, Minnesota

Don Lutz, California

George Lyddane, California Dr. Gene Malvino, Idaho Gerald E. Marsh, Illinois Dr. Joseph P. Martino, Ohio David Maurer, Montana John Mauzey, Montana Martin McClellan, Florida Thomas McElwain, Montana Sean McGrew, Montana

Norman MacLeod, Washington Wesley McCart, Washington Peter McWilliams, California

Dr. Norman D. Meadow, Maryland

Dr. Dan Meneley, Canada Mark L. Miller, New Mexico Gary Millhollon, New Mexico Howard B. Mirkin, Connecticut

Ralph Moir, California Barnes Moore, New Jersey Joseph C. Murray, Alabama Karen Murray, Washington Dr. Lewis Norman, Oklahoma

Dr. Edmond O'Connell, Connecticut

Tony O'Donnell, Montana Charlie Opalek, New Jersey Dr. Peter J. O'Reilly, Montana Dr. Peter Ottensmeyer, Canada Dr. Steven Palmieri, Montana David J. Paul, California

Dr. Duane Pendergast, Canada

Monte Pendleton, Texas Dr. Baldev Raj, India Alan Raphael, New York James F. Rathbun, Montana Dale Reaves, Colorado

Charles F. Reeves, Massachusetts

Keith Regier, Montana Richard Rhodes, California Donald R. Riley, Tennessee Sandra S. Roark, Colorado

Dr. Berol Robinson, Massachusetts Dr. Theodore Rockwell, Maryland

Prof. J.T. Rogers, Canada Jan Rogers, Montana

Dr. A. David Rossin, Florida Edward F. Russell, Idaho Edwin Sayre, California Theo Schaub, Switzerland Steve Scheye, California

Harrison H. Schmitt, New Mexico

Theo Schotten, Switzerland Arthur Seddon, Washington

Marc C. Seward, California

Dr. Gerhart Schueller, Austria

Dr. John A. Shanahan, Colorado

Bonnie Shannon, Washington

Joseph M. Shuster, Minnesota

Dr. Len Simpson, Canada

Robert E. Sims, California

Dr. S. Fred Singer, Virginia

Gordon Smith, California

Steve Smith, California

Harry (Ed) Soyster, Virginia

Karin Soyster, Virginia

Dr. Michael Spaeth, California

Richard Spaeth, North Dakota

Bill G. L. Stafford, Texas

Dr. George Stanford, Illinois

Dr. Krzysztof Starosta, Canada

Dr. David Taylor, Michigan

Dr. Antonio Tiberini, Switzerland

Dr. Charles E. Till, Idaho

Dr. Armando Travelli, Illinois

Lesley Turner, South Africa

Senator Bruce Tutvedt, Montana

Paul Vallely, Montana

Dr. M. van den Engh, Switzerland

Edward A. Veek, California

Eugene B. Veek, Arizona

Dr. Evgeny Velikhov, Russia

Dr. Alison E. Vogelaar, Switzerland

Keith von Borstel, California

Susan von Borstel, California

Dr. Randolph 'Stick' Ware, Colorado

Glenn J. Wehe, Montana

Randy Weir, Hawaii

Vern Westgate, Idaho

James M. Williams, Virginia

Dr. Robert Williams, Colorado

John E. (Jed) Williamson, NH

Michael E. Williamson, Washington

Dr. Paul Wilson, Washington

Dr. John Wirth, Washington

James Wobser, California

Julie Wolf, Montana

Dr. Edward Zganjar, Louisiana