



Alvin W. Trivelpiece

Director, Oak Ridge National Laboratory, (retired)

President, Lockheed Martin Energy Research Corporation, (retired)

Since retiring from Oak Ridge National Laboratory (ORNL) in 2000, Trivelpiece has been an independent consultant to several Department of Energy national laboratories and government programs.

From 1989 through 2000 he was the Director of ORNL. In 1996, he was made President of Lockheed Martin Energy Research Corporation, the managing and operating contractor for ORNL. At ORNL, Trivelpiece was responsible for its programs that included applied research and engineering development in the support of the Department of Energy's fusion, fission, conservation, and fossil energy technology programs and basic scientific research in selected areas of the physical and life sciences. As director of ORNL, he supervised a staff of over 5000 and managed a budget of more than \$500 million.

Trivelpiece was the executive officer of the American Association for the Advancement of Science and Publisher of Science Magazine from 1987 to 1989. From 1981 to 1987 he was the director of the Office of Energy Research (now the Office of Science) at the U.S. Department of Energy. From 1978 to 1981, Trivelpiece was corporate vice president at Science Applications, Inc., in La Jolla, California, and from 1976 to 1978 he was vice president for engineering and research at Maxwell Laboratories in San Diego, California.

Trivelpiece was a professor of physics at the University of Maryland from 1966 to 1976 and was a professor at the University of California, Berkeley, in the Department of Electrical Engineering from 1959 to 1966. While on leave from the University of Maryland, from 1973 to 1975, he served with the U.S. Atomic Energy Commission as assistant director for research in the Division of Controlled Thermonuclear Research.

Head of the 1986 US Delegation on Peaceful Uses of Atomic Energy to the USSR. Chairman of National Research Council's Committee on Science and Technology Policy Aspects of Selected Social and Economic Issues in Russia (1990). He was a Member of the National Academy of Sciences Committee on the Technical Aspects of the Comprehensive Nuclear Test Ban Treaty (2000–2002). He was Chairman of the Science and Technology Advisory Council for the State of Tennessee (1995-2000). Corporate Secretary and Treasurer of the American Council on Global Nuclear Competitiveness, 2005 - 2012. He serves on the Selection Committee for the Russian Global Energy International Prize 2009 - 2014.

Trivelpiece was a Fulbright scholar in the Netherlands from 1958 to 1959 and a Guggenheim Fellow in 1967. He received the Distinguished Alumnus Award from Cal Poly in 1978 and from Caltech 1987. Awarded the Secretary of Energy's Gold Medal for Distinguished Service in 1987. He was Elected to the National Academy of Engineering 1993.

His research has focused on plasma physics, controlled thermonuclear research, and particle accelerators. He was granted several patents on accelerators and microwave devices and is the author or co-author of many papers and two books. He serves as an advisor to government agencies. He is a fellow of the AAAS, the American Physical Society, and the Institute of Electrical and Electronics Engineers, and is a member of the American Nuclear Society, the American Association of University Professors, Tau Beta Pi, and Sigma Xi.

He received his B.S. degree from California Polytechnic State University in 1953, and his M.S. (in 1955) and Ph.D. degree (in 1958) from the California Institute of Technology.