

**National Council on Radiation Protection and Measurements**

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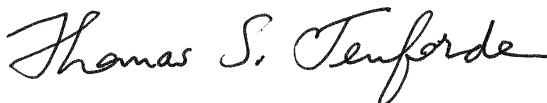
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January 29, 2007

**To:** Members of the Council

**From:** Thomas S. Tenforde  
President



**Subject:** Obituary for Victor P. Bond

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It is with sadness that I report the death on January 23, 2007, in Richland, Washington, of an Honorary Member of Council, Dr. Victor P. Bond, at the age of 87.

Dr. Bond received his B.A. degree from the University of California at Berkeley (UCB) in 1943, and an MD from the University of California San Francisco School of Medicine in 1945. He also received a Ph.D. in Medical Physics from UCB in 1952. He served as a medical officer in the U.S. Navy from 1945 to 1954, and headed the Experimental Pathology Branch of the U.S. Naval Radiological Defense Laboratory in San Francisco from 1948 to 1954. Dr. Bond remained in the Navy Reserves and rose to the rank of Rear Admiral.

He joined the Brookhaven National Laboratory (BNL) as a physician in the Medical Department in 1954, and became a Senior Scientist in 1958 and Department Chairman in 1962. In 1967 he became the BNL Associate Director for Life Sciences. While at BNL he also served as a Professor of Medicine in the Health Sciences Center of the State University of New York at Stony Brook, and as an Adjunct Professor of Radiology at Columbia University in New York. He retired from BNL in 1994, but remained active at BNL as a research collaborator after retirement. He then moved to Richland, Washington, in 1997 and served there as an Adjunct Professor at the Washington State University Tri-Cities Campus for the remainder of his life.

Dr. Bond was a distinguished research scientist who made many contributions to basic radiobiology in both laboratory studies and theoretical modeling of radiation interactions at the molecular and cellular levels. He did fundamental research on radiation damage to hematopoietic stem cells, cell kinetics, RNA synthesis, and microdosimetric modeling of radiation effects. In collaboration with Dr. Matesh Varma at BNL he developed the "hit size effectiveness function" model for evaluating the effects of low-level radiation. A conference on "Physical Insult From

and Biological Response to Low-Level Ionizing Radiation” was held at BNL on November 3-4, 1994, in honor of Dr. Bond’s many scientific contributions in this field of study.

During his career Dr. Bond was the author or coauthor of more than 300 papers and four books. He was the recipient in 1965 of an Honorary D.Sc. from Long Island University in New York; received a Senior U.S. Scientist Award from the Alexander von Humboldt Foundation for study in 1984-1985 at the Kernforschungsanlage in Jülich, Germany; received the Distinguished Scientific Achievement Award from the Health Physics Society in 1986; and was honored by the Department of Energy with a Distinguished Associate Award in 1990 for “research accomplishments, insight, and dedicated service which has substantially advanced the scientific basis for radiation protection.”

During his career Dr. Bond provided valuable service as an officer and scientific committee member for many national and international organizations. He served, for example, as the President of both the Radiation Research Society and the Fifth International Congress of Radiation Research in 1974. He was a member of advisory committees of the National Academy of Sciences, Department of Defense, National Aeronautics and Space Administration, Food and Drug Administration, and the National Institutes of Health. He was also a productive member of several committees of the International Commission on Radiological Protection, the International Commission on Radiation Units and Measurements, and the American College of Radiology.

The service of Dr. Bond to NCRP over more than two decades was extensive. He served as a member of Council from 1964 to 1985, at which time he was elected as an Honorary Member. He was a member of the Board of Directors from 1967 to 1973, and the Nominating Committee from 1976 to 1978. He served as the chairman or member of the program committees for the NCRP annual meetings in 1978, 1979, 1980, and 1987. He also was chairman of three NCRP committees, and was a member of the scientific committees that prepared Reports No. 43 on “Radiation Protection Philosophy,” No. 98 on “Guidance on Radiation Received in Space Activities,” and No. 104 on “Relative Biological Effectiveness of Radiations of Different Quality.”

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Dr. Bond is survived by his four children and their families. He will be buried next to his wife of 47 years, Mary (Molly) Bond, on February 9 in a private ceremony on Long Island.

Victor Bond will be remembered with great fondness and admiration by his many colleagues and friends throughout the world. His family requests that contributions in his memory and in honor of his many scientific achievements be made to NCRP, 7910 Woodmont Avenue, Suite 400, Bethesda, Maryland 20814-3095.

cc: Honorary Members