



**Dr. Charles W. Miller**

BS, Physics/Math, Ball State University, 1966

MS, Meteorology, University of Michigan, 1967

PhD, Bionucleonics, Purdue University, 1973

Charles Miller began his career as a professor of Physics at Anderson University. After graduation from Purdue University, he joined Oak Ridge National Laboratory where he served as the Principal Investigator and technical lead on three projects concerned with the development and evaluation of mathematical models used to estimate the atmospheric transport of radionuclides and other potentially-hazardous substances. In 1983 he became the Leader of the

Methodology Implementation Group, Health and Safety Research Division where he provided leadership to the Group's activities in transport modeling for pollutants released to the environment. He also assumed responsibilities for coordination of the Group's activities with those of the Division staff developing metabolic models and dosimetric information.

In 1986, he joined the Illinois Department of Nuclear Safety as a Branch Chief in the Office of Nuclear Facility Safety where he provided technical and administrative leadership for developing and implementing technical aspects of offsite emergency planning for seven commercial nuclear reactor sites and other nuclear facilities in Illinois. This group was also responsible for the procurement and maintenance of emergency response equipment and performed technical analyses of questions related to severe reactor accident consequences.

He later became Manager of the Office of Environmental Safety where he provided oversight for a staff of over 60 professionals. These staff had varied activities including responsibilities for low-level radioactive waste management on a statewide basis, regulation of radioactive material transportation throughout the state of Illinois, environmental monitoring, implementation of the Illinois' radon program, and fixed and mobile radiochemistry laboratory support for the Department.

Dr. Miller joined the Centers for Disease Control and Prevention in January 1992 as Chief, Environmental Dosimetry Section. In this role, he provided technical and administrative leadership for activities related to estimating the public health impact of historical radionuclide releases to the environment from various U.S. Department of Energy nuclear weapons facilities. In this capacity, he also coordinated dose reconstruction projects at four nuclear weapons production sites in the U.S. and the nuclear weapons test site in the Republic of the Marshall Islands. Additionally he served as CDC representative in a variety of high-level national and international policy making and scientific forums, including meetings with the International Atomic Energy Agency and the government of Russia.

He became the Chief of the Radiation Studies Branch, Division of Environmental Hazards and Health Effects, National Center for Environmental Health (CDC) in 2002 and currently serves in that capacity. In this position, he develops goals and objectives that integrate organization and environmental public health programs on the potential effects of exposure to radiation and radiation-related health research. He also serves as an expert and senior health scientist for epidemiologic issues relating to radiological bioterrorism (preparedness and response) or other disaster-related adverse health effects and provides national leadership and direction in developing Branch goals.

He has authored or coauthored over 100 journal articles, laboratory reports, and meeting papers and has frequently presented continuing education programs for health physicists and nuclear engineers. Dr. Miller has been a council member of the National Council on Radiation Protection and Measurements since 1994 where he has served on numerous program and scientific committees. He also is a member of the Health Physics Society (HPS) serving as associate editor of the Health Physics Journal from 1990-96. Other memberships include the Environmental Radiation Section of the HPS and local HPS chapters where he has served in various roles.

Dr. Miller has been married to Beverly Decker Miller since 1968, and they have two adult children, Justin Charles Miller and Heather Miller Chapman. Charles and Beverly currently reside in Duluth, Georgia, where they are active in the life of North Point Community Church. In his spare time, Charles enjoys playing golf, traveling, hiking, and photography.