

BIOGRAPHICAL SUMMARY

DANIEL PETER LOUCKS

Daniel P. Loucks obtained a B.S. from Pennsylvania State University, 1954; M.F. from Yale University, 1955; Ph.D. from Cornell University, 1965. Since 1965 he has been on the faculty of the School of Civil and Environmental Engineering, Cornell University. In 1976 he was appointed Professor of Environmental Engineering in the School where he teaches and directs research in the development and application of economics, ecology and systems analysis methods to the solution of environmental and regional water resources problems. He has authored articles and book chapters in these subject areas. He served as Chair of his Department from 1974 to 1980, and as Associate Dean for Research and Graduate Studies in the College of Engineering from 1980 to 1981.

During periods of leave from Cornell, Loucks was a Research Fellow at Harvard University (1968); an Economist at the Development Research Center of the World Bank (1972-73); a Research Scholar at the International Institute for Applied Systems Analysis (1981-1982); and a Visiting Professor at the Massachusetts Institute of Technology (1977-78), the University of Colorado in Boulder (1992), the University of Adelaide in South Australia (1992), the Aachen University of Technology in Germany (1993 and 1995), the Technical University of Delft in the Netherlands (1995), and the University of Texas in Austin (2000). Since 1969 he has served as a consultant to private and government agencies and various organizations of the United Nations, the World Bank, and NATO involved in regional water resources development planning in Asia, Australia, Eastern and Western Europe, the Middle East, Africa, and Latin America. From 1975 to 1978 he was a consultant to the U.S. Environmental Protection Agency participating in the US-USSR exchange program on environmental protection. Since 1976 he has been a visiting professor in water resources-environmental systems engineering at the UNESCO International Institute for Hydraulic and Environmental Engineering in Delft, The Netherlands.

Loucks has served on various committees and boards of the National Research Council of the National Academy of Sciences, and was a U.S. member of an advisory committee for the International Institute for Applied Systems Analysis (IIASA) in Laxenburg, Austria. From 1977 to 1990, he served as a member of the IIASA liaison committee of the National Academy of Sciences, and of the American Academy of Arts and Sciences. The Secretary of the Army appointed him to US Army Corps of Engineers Environmental Advisory Board in 1994. He served as Vice Chair of the EAB in 1995, as Chair from 1996 to 1998, and received the Commander's Award for Public Service in 1998. He was given the first Maass/White Fellowship at the Corps' Institute for Water Resources in Alexandria Va., in 2002.

The American Society of Civil Engineers awarded Loucks the Huber Research Prize in 1970 and the Julian Hinds Award in 1986. He is a Fellow in the American Geophysical Union (AGU), and an Honorary member of ASCE. In 1975 he received a Fulbright-Hayes Fellowship to lecture in Yugoslavia. He has chaired various committees in professional societies in civil engineering, geophysical science, and operations research. He is a member of five honorary societies, including Sigma Xi and Phi Kappa Phi, and serves as an associate editor and as a member of editorial boards of several professional journals in the U.S. and in Europe. He was elected to the National Academy of Engineering in 1989. He received Distinguished Lecture Awards by the National Research Council of Taiwan in 1990 and 1999, an EDUCOM Award for software development in 1991, the Senior U.S. Scientist Research Award from the German Alexander von Humboldt Foundation in 1992, the Warren A. Hall Medal from the Universities Council on Water Resources in 2000 and the Grand Prix International de Cannes, de l'Eau in 2005.

Loucks was commissioned in the U.S. Navy in 1955. He served as an aviator on active duty until 1959 and subsequently in the Naval Reserve until 1981. From 1979 to 1981 he commanded VR-52, the largest Naval Air Transport Squadron in the country having detachments at Naval Air Facility, Detroit, MI, Andrews Air Force Base, MD, and Naval Air Station, Willow Grove, PA. In 1981 he received the Navy's Commendation Medal from the Secretary of the Navy. He retired as Captain from the Naval Reserve in 1992.