

## PROFESSIONAL EXPERIENCE

- 1994 - **STRATEGIC CONSULTING SERVICES:** President, professional consulting services firm helping organizations think, plan, and act more strategically.
- 1983-1994 **JOHN D. AND CATHERINE T. MACARTHUR FOUNDATION:** Director, Health Program (1989-1994; Deputy Director, 1983-1989): Responsible for the development, implementation, and oversight of programs of collaborative research in mental health and human development and in tropical diseases.
- 1983 **NATIONAL ACADEMY OF SCIENCES:** Founding Executive Director, Government-University-Industry-Research Roundtable – new forum to address significant issues in the support and conduct of academic research.
- 1978-1983 **WHITE HOUSE OFFICE OF SCIENCE AND TECHNOLOGY POLICY:** Associate Director (1980-1983; Senior staff, 1978-1980): Responsible to the President's Science and Technology Advisor for the formulation, implementation, and oversight of national policies on health research, life sciences, and biotechnology; agricultural research; health and safety regulations.
- 1977 **NATIONAL INSTITUTES OF HEALTH:** Senior Scientist: Program and budget planning for the Director, National Heart, Lung, and Blood Institute.
- 1970-1977 **BATTELLE MEMORIAL INSTITUTE:** Developed corporate research, education, and conference programs (1976-1977). Established and directed corporate population research & development program (1971-1976).
- 1969-1970 **NATIONAL INSTITUTES OF HEALTH:** Chief, Contraceptive Development Branch, National Institute of Child Health and Human Development. Established program to fund reproductive biology research and fertility control methods development.
- 1960-1968 **NATIONAL INSTITUTES OF HEALTH:** Research Engineer: Designed and developed instruments for basic research and clinical chemistry (1960-1965). U.S.P.H.S. Research Fellow, Stanford University (1965-68).

## EDUCATION

- 1968 **Ph.D. (Physiology)** Stanford University  
1962 **B.E.E. (Electrical Engineering)**, University of Cincinnati