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Education

A.B.	Geology	University of Rochester	1962
M.S.	Geology	University of Massachusetts	1967
Ph.D.	Geology	University of Texas at Austin	1970

Professional Experience (note that some positions are concurrent)

1968-76 Bureau of Economic Geology, University of Texas at Austin
Research Geologist 1968-1971
Associate Director 1971-April 1975
Acting Director May 1975-December 1976

1974-1976 Department of Geological Sciences, University of Texas at Austin
Associate Professor

1976-1978 Department of Geological Sciences, University of Texas at El Paso
Associate Professor and Chairman

1978-1990 Louisiana Geological Survey, Department of Natural Resources and Louisiana State University
Director and State Geologist

1978-1990 Department of Geology and Geophysics, Louisiana State University
Professor

1983-1988 Louisiana Department of Natural Resources
Assistant to the Secretary
Administered Coastal Zone Management Program, Coastal Protection Program and other activities

1990-1992 American Geological Institute, Alexandria, Virginia
Executive Director

1991-1995 Center for Coastal, Energy, and Environmental Resources, Louisiana State University
Executive Director
Part time: 8/1/91 - 1/14/92 Full time: 1/15/92 - 1995

1995-1998 University of Texas at El Paso
Center for Environmental Resource Management
Director, 1995-98
Environmental Science and Engineering Ph.D. Program
Director, 1995-1998
Department of Geological Sciences
Professor, 1995-1998
Associate Vice President for Research and Sponsored Projects
May-November 1998

1998-2005 U.S. Geological Survey, U.S. Department of the Interior
Director

2005-present The University of Texas at Austin
Director, Center for International Energy and Environmental Policy
Director, Energy and Mineral Resources Graduate Program
Professor and John A. and Katherine G. Jackson Chair in Energy and Mineral Resources,
Department of Geological Sciences

Selected Boards and Committees

National Research Council, Board on Earth Sciences and Resources (BESR) 1993-1998
Executive Committee, 1997-1998
Committee on Earth Resources, BESR
National Research Council, Board on Earth Sciences and Resources
Committee to Evaluate the DOE Oil Recovery Field Demonstration Program, 1994-95
Chairman
Panel to Review the Energy Program of the U.S. Geological Survey 1998
National Research Council, Marine Board
Committee on Marine Area Governance and Management, 1995-97
National Research Council, Board on Environmental Studies and Toxicology
Committee to Assess the Adequacy of Environmental Information for Alaska
Outer Continental Shelf Oil and Gas Leasing Decisions (Chairman)
National Research Council, National Science Education Standards Project
Chairman's Advisory Committee
Outer Continental Shelf (OCS) Policy Committee
Chairman, 1990-1992
Louisiana Collaborative for Excellence in the Preparation of Teachers (LaCEPT) and Louisiana Systemic
Initiatives Program (LaSIP), Science Advisor
Louisiana Universities Marine Consortium (LUMCON) Council
Texas Utilities Company Environmental Research Steering Committee, 1974-present
American Geological Institute Foundation 1995-present
Vice Chairman 1995 - 1998
American Geological Institute
Education Advisory Committee
Chairman 1994 -1998
Good Neighbor Environmental Board 1996-1998
Transboundary Resource Information Program, Board of Directors, 1996-1998
Texas State Water Plan, West Texas Regional Planning Group, 1998
Joint U.S.-Mexico Advisory Committee on Air Quality Improvement, 1997-1998
Associated Western Universities, Board of Directors 1998
Design Team, State of the Nation's Ecosystems, The Heinz Center 2004-2005
NAS Institute of Medicine, Roundtable on Environmental Health Sciences, Research, and Medicine, 2002-2005
Group on Earth Observations (GEO), Alternate and U.S. Representative, 2003-2005
University of Texas at Austin, Geology Foundation Advisory Council, 2000-2005
Stanford University, School of Earth Sciences Advisory Council, 1999-2005
GEOTIMES Editorial Board, 2005-present

Professional Societies

American Association for the Advancement of Science (Fellow)
American Association of Petroleum Geologists (AAPG)
Energy Minerals Division of AAPG
Vice President/President Elect 1993-94
President 1994-95
Division of Environmental Geosciences, AAPG
Association of American State Geologists
President 1987-1988
Federal Liaison Committee 1984-1989
Oil and Gas Assessment Review Committee
Chairman 1988
Honorary Member 1993-present

Geological Society of America (Fellow)
Committee on Geology and Public Policy 1978-80
Chairman 1980
Council, 1995-1998
American Geophysical Union
American Institute of Professional Geologists
Society for Mining, Metallurgy, and Exploration (SME)

Summary of Professional Experience and Interests

More than 30 years of direct involvement in (1) lignite (coal) resource assessments, geological studies, and mining impact investigations in Louisiana and Texas, (2) geopressed/geothermal resource assessment, test programs, and environmental monitoring in Louisiana and Texas, (3) oil exploration and enhanced recovery, OCS development and advisory functions, impacts on wetlands, (4) industrial minerals including zeolites, aggregates, limestone, and impacts of surface mining, (5) uranium occurrence in volcanic terrains, (6) ground-water occurrence and protection, (7) geomorphic processes and landform evolution in desert areas, and (8) coastal studies - processes, landform development, habitat change, coastal restoration, conflicts over renewable and nonrenewable resource development. Experience with AGI included management of the association and its \$3.5 million budget, maintaining relations with numerous professional and governmental organizations, and a major involvement in earth science education and national science education reform. LSU administrative position (CCEER) was at the Dean's level and involved management of 11 research institutes and academic programs with \$5 million state budget and more than \$30 million of research funds in place. UTEP (CERM) position involved program development and management of programs in the U.S.-Mexico border region focusing on environmental and resource issues with an emphasis on water resources, habitat protection, and environmental health. Associate Vice President for Research and Sponsored Projects position at UTEP included responsibility for university's research and special project development and compliance activities, oversight of 7 organized research centers, and direct involvement in overall university policy matters. My faculty positions at universities involved teaching courses at the undergraduate and graduate levels; supervising several theses; and participation on departmental, college, and university committees. USGS position, a Presidential appointment with Senate confirmation, was administrative and policy responsibility for an earth and life science organization with 10,000 employees and an annual budget of approximately \$1 billion. All work has involved program development and extensive interaction with federal and state agencies, members of congress and their staffs, the private sector, and citizen-based organizations. A major emphasis in recent years has been on the application of scientific information and processes to decision making in resource and environmental issue resolution.

Publications and Talks

More than 85 reports, maps, and abstracts dealing with environment, energy and mineral resources, mining impacts, water resources and quality, coastal processes and land loss, coastal management, industrial minerals, desert geomorphology, earth science education, and resources and environmental policy.

More than 300 talks, speeches, and presentations on the topics listed above and a variety of related topics. Includes many presentations to state legislative and federal congressional committees.