

SERVICE

BOARD, COMMITTEE, AND COUNCIL ACTIVITIES

Universities

The University of Texas at Austin

John A. and Katherine G. Jackson School of Geosciences

Director (2001-2005); Inaugural Dean (2005-2006)

Steering Committee, Chairman (2001-2005)

Dean Search Committee (2009)

Geology Foundation

Honorary Life Member, Advisory Council (2006-present)

Director (1984-2006)

Faculty Review Committee (1977-2001); Chairman (1984-2001)

Executive Committee (1970-1977; 2001-2005); Chairman (2001-2005)

Advisory Council (ex officio) (1984-2006)

Bureau of Economic Geology Advisory Committee (ex officio) (2000-2006)

Faculty Council (2010-2014)

Research Policy Committee (2013-2014)

Faculty Advisory Committee on Budgets (2010-2011)

Faculty Advisory Committee on Admissions and Registration (2011-2012)

Committee on University Academic Calendar (2012-2013)

Faculty Steering Committee, Graduate Portfolio Program in Energy Studies, Energy Institute 2013-present)

Dean's Council (2005-2006)

University Leadership Council (2005-2006)

Committee on Development of Ethics and Leadership Flag (2009-present)

Department of Geological Sciences

Exploration Geophysics Search Committee, Chairman (1998-1999)

Faculty Sponsor, Student Chapter, American Association of Petroleum Geologists (1994-2005)

Joint Committee on Geosystems Engineering and Hydrogeology Degree with Departments of Geological Sciences and Petroleum and Geosystems Engineering (1994-present)

College of Natural Sciences

John A. and Katherine G. Jackson School of Geosciences Chartering Committee, Chairman (2001)

Brazil Center, Faculty Associate (1974-present), CAPES/UT Research Program Advisory Committee (2002)

Office of the Vice President for Research, Bureau of Economic Geology, Director Search, Chair (1999)

Faculty Senate (1994-1995)

University Council (1994-1995)

Faculty Council (1995-1996) (1996-1998) (2010-2012) (2012-2014)

Member, Graduate Studies Committee, Energy and Mineral Resources Jackson School of Geosciences and Cockrell School of Engineering (1977-present) (Chairman 2008)

Faculty, Lozano Long Institute of Latin American Studies (1973-present)

Member, Promethean Society, College of Natural Sciences (1995-present)

Member, Littlefield Society (2014-present)

Energy and Earth Resources Graduate Studies Committee (1994-present), Acting
Chairman (2008-present)
Bureau of Business Research, Advisory Council (1988-1994)
President's Policy Advisory Committee (1986-1987)
Natural Sciences Foundation, Committee on Governmental Relations (1988-1996)
Institutional Self-Study Committee on Organization, Administration, and Institutional
Advancement (1987)
Member, Texas Press Advisory Committee (1970-1973, 1997-2000)
Site Criteria Selection Committee for the Superconducting Super Collider, Chairman
(1983-1985)
LBJ School of Public Affairs, Policy Resource Institute, Natural Resources Division, Co-
Director (1982-1989)
Gulf Universities Research Consortium
Program Development Council (1980-1984)
Resource Recovery Task Force, Chairman (1984)
University of Texas/Austin Council (1979-1985)
Institute for Latin American Studies, Advisory Committee (1977-1987)
Council on Energy Resources, Chairman (1977-1983)
Publications Policy Committee (1977-1980)
Center for Energy Studies, Executive Committee (1974-1975)
Center for Research in Water Resources, Advisory Committee (1972-1975)
Energy Research Group (1972-1974)
Publications Committee (1970-1975), Chairman (1971-1973)
Council for Advanced Transportation Studies, Executive Committee (1972-1973)
Various ad hoc, departmental, and research committees

Other Universities

Program Review Committee, Department of Earth and Space Science, Lamar
University (2010)
Institute for the Study of Earth and Man, Southern Methodist University, Hedberg Medal Award
Committee (permanent member; 1995-present)
Houston Area Research Council, Center for Geotechnology, Advisory Board (1985-1987)
University of Kansas, Geology Associates, Advisory Board (1972-1974; 1983-present)
Southern Illinois University, Geology Advisory Group (1974-1990)
Texas A&M University
Advisory Council for Sea Grant Colleges in Texas (1974-1975)
Advisory Council for Marine Science and Technology (1977-1980)
Pennsylvania State University, Bituminous Coal Task Force (1972-1973)
Louisiana State University, Basin Research Institute, Site Review Committee (1987)
The University of Texas at Arlington, Doctoral Program Review Committee, Geology (1992),
Department Review (1998)
Lamar University, Review Committee, Department of Earth and Space Science, 2010

Federal Government

The White House

White House Science Council, Member (1988-1989)
President's Council of Advisors on Science and Technology, Energy R&D Panel (1997)
President's Council on Science, Engineering, and Technology (1976-1977), Board on Earth and
Natural Sciences, Chairman (1976-1977)
President's Council on Science and Technology (1976), Committee on Materials,
Chairman (1976-1977)

President's Energy Resources Council (1976-1977)

U.S. Department of the Interior

Outer Continental Shelf, Policy Advisory Board (1979-1992), Elected Chairman (1982-1984);
Chairman, Committee on National Energy Policy (1986-1987)
National Plan of Action to Combat Desertification, Task Force (1979-1980)
Deputy Assistant Secretary for Energy (1974-75)
Assistant Secretary for Energy and Minerals (1976-77)

U.S. Department of Energy

Secretary of Energy Advisory Board (SEAB), Charter Member, (1990-1993)
Economic Analysis and Modeling Task Force, Member (1991-1993)
National Energy Strategy Task Force, Member (1990-1991)
Chairman, Oil Resources Assessment Panel (1992)
Energy Research Advisory Board, Panel on Energy Competitiveness (1987-1988)
Chairman, Natural Gas Resource Assessment Panel (1988)
Screening Panel, Lowry Medal (1988)
Office of Foreign Intelligence/Sandia National Laboratory, Vital Issues Panel (1992)
Federal Power Commission, Natural Gas Survey, Advisory Committee (1975-1977)
U.S. Department of Commerce, Coastal Zone Management Advisory Committee (1973-1975)
U.S. Department of Energy/Federal Energy Regulatory Commission, Natural Gas Deliverability
Task Force, Member (1991-1992)
U.S. Bureau of Mines, Academic Research Committee, Chairman (1988)
U.S. Congress, Office of Technology Assessment, Moderator, Workshop on the effects of low oil
prices on domestic crude oil production (1986)
Committee on Outer Continental Shelf (1984-1985)
Energy Research and Development Administration Steering Committee, Co-Chairman (1976-1977)
Geothermal Advisory Committee (1975-1977)
Council on Environmental Quality, Committee on Ecology (1976-1977)
Trade Policy Review Group, Representative to the White House (1976-1977)
U.S. Department of Energy/RAND Corporation, Conference on Natural Gas Resources
Estimation, Chairman (1982)
Engineering Foundation/National Science Foundation, Conference on Contingency Planning for
Material Resource, Advisory Board, Co-Chairman (1977)

General Services Administration, Advisory Panel on Stockpile Disposal Policies (1978-1979)

National Aeronautics and Space Administration, LBJ Space Center, Hazards Advisory Committee (1974)

Commissions

Interstate Mining Compact Commission

Resolutions Committee (1980-1984)
Research Committee (1977-1980; 1984-1995)
Southern States Energy Board, Renewable Resources Committee (1979-1984)

Interstate Oil and Gas Compact Commission

Task Force on Manpower Needs of the Petroleum Industry (2001-2002)
Energy Resources, Research, and Technology Committee (1997-present)
Energy Resources Committee (1995-1997)
Research Committee (1977-1995)
Tar Sands Advisory Committee (1982-1983)

State Government

State of Texas Energy Policy Partnership, Member, Chairman, Outlook Committee (1992-1993)
Member, Texas Groundwater Protection Committee (1990-1994)

Governor's Energy Council, Charter Member (1988-1991)
 Texas Scientific Advisory Council (1988-1992)
 Artificial Reef Advisory Committee, Texas Department of Parks and Wildlife (1989-1991)
 Texas Coastal Zone Management Plan Advisory Committee (1990-1992)
 Texas Senate-House Joint Special Committee on Edwards Aquifer, Technical Advisory Panel, Chairman, (1989-1990)
 Economic Advisory Council, Office of the Comptroller, State of Texas (1987-1991)
 University Advisory Board, Center for Legislative Energy and Environmental Research, South/West Energy Council (1991-1998)
 Texas Strategic Economic Policy Commission Traditional Industries Task Force, Energy Committee, Chairman (1988)
 Texas Senate-House Joint Special Committee on Cogeneration (1985-1987)
 Texas Low-Level Radioactive Waste Disposal Authority Appointed by Gov. William P. Clements (1981) and (1987) and by Gov. Ann Richards (1993), all confirmed by Texas Senate

- o Chairman (1982-1984)
- o Board of Directors (1981-1987; 1987-1993; 1993-1999)
- o Chairman, Legislative Agenda Committee (1988)
- o Chairman, Budget Committee (1987-1988; 1990-1997)
- o Member, Technical Committee (1987-1999)
- o Member, Compensation Committee (1996-1997)
- o Vice Chairman (1984-1986; 1991-1997)

 Advisory Council, Superconducting Super Collider High Energy Research Facility (1987-1988)
 State Liaison Officer, Nuclear Regulatory Commission (1980-1988)
 Texas Mapping Advisory Committee (1970-1986)
 Texas Geologic Mapping Advisory Committee, Chairman (1999)
 Texas Energy and Natural Resources Advisory Council (member by statute)

- Member (1979-1983)
- Nuclear Energy Committee, Chairman (1979-1983)
- Natural Resources Committee (1982-1983)
- Natural Gas Task Force (1982)

 Texas Railroad Commission, Advisory Committee on Natural Gas Proration and Ratable Take (1983)
 Texas Railroad Commission, Council on Data Needs (1994-1995)
 Texas 2000 Commission

- Commissioner (1980-1982)
- Energy Committee, Chairman (1980-1982)

 Texas Railroad Commission/U.S. Department of Energy, Geothermal Industrial Advisory Committee (1978-1981)

Texas Energy Advisory Council

- Texas Energy Advisory Committee (1977-1979)
- University Coordinating Committee (1977-1979)
- Committee on Lignite Research Development and Demonstration (1979)
- Committee on Nuclear Energy (1979)
- Texas Natural Resources Council, ex officio member (1977-1979)

Office of the Governor

- Governor's Water Task Force, Technical Advisory Committee (1974-1975)
- Governor's Land Resources Management Committee, Vice-Chairman (1974-1975)
- Division of Planning Coordination, Greater East Texas Management Program (1974-1975)
- Governor's Texas Interagency Council on Natural Resources and the Environment (1972-1975)

Texas Advisory Committee on Conservation Education (1970-1975), Chairman (1972-1974)
 Texas Senate Interim Committee on Revision of Hard Mineral Law (1972)

National Academy of Engineering, Elected Member (1994)
National Associate (Honorary) National Academies (2003)
Commission on Geoscience, Environment and Resources, National Research Council,
Commissioner, (1994-1997):
Commission Liaison to Board on Earth Sciences and Resources and Board on Radioactive
Waste Management (1994-1997)

Board on Energy and Environmental Systems, National Research Council
Member (1997-2003)
Committee on Benefits of U.S. Department of Energy R&D in Energy Efficiency and Fossil
Energy (2000-2001)
Panel on Department of Energy Natural Gas Exploration and Production R&D Program ,
Chair (2005-2006) of Committee on Prospective Benefits of DOE's Energy Efficiency and
Fossil Energy R&D Programs (Phase Two)
Member, Committee on Energy Resource Potential on DOE Lands (2014-2015)
Board on Earth Sciences and Resources, National Research Council
Chairman (1990-1993),
Co-chairman (1988-1990)
U.S. National Committee on Geology, Member (1981-1990), ex officio (1991-1993)
U.S. National Committee for the International Geophysical Union, ex officio (1988-1993)
U.S. National Committee for the International Union of Geology and Geophysics, ex
officio (1988-1993)
U.S. National Committee for the International Union for Quaternary Research, ex officio
(1988-1993)
Committee on the Management and Effects of Coalbed Methane Produced Water in the
Western United States, Chairman (2009-2010)
Committee on Future Roles, Challenges, and Opportunities for the U.S. Geological
Survey, Member (1998-2000)
Executive Committee, Committee on Status and Research Objectives in the Solid Earth
Sciences (1988-1993)
Committee on Continental Scientific Drilling, Member (1984-1987)
National Academies Workshop on Current and Emerging Energy Issues, Chairman, Resource
Group (2001)
National Academies Workshop on Novel Approaches to the Management of Greenhouse Gases
from Energy Systems (2003)
Board on Earth Sciences and Resources of National Research Council and American Geological
Institute, Summit Meeting of Earth Science Societies, Chairman (1991), Co-Chairman (1993)
Board on Earth Sciences and Resources, Polar Research and Environmental Standards and
Toxicology, National Research Council, Workshop on Arctic National Wildlife Refuge
(ANWR), Chairman (1991)
Board on Mineral and Energy Resources, National Research Council
Chairman (1988)
Member (1982-1988)
Committee on Hydrocarbon Research Drilling, Chairman (1987-1988)
Committee on Offshore Hydrocarbon Assessment Methodology, Chairman (1984-1987)
Committee on Producibility of Oil and Natural Gas, Chairman (1981-1982)
Board on Energy Engineering, National Research Council
Committee on Production Technologies for Liquid Transportation Fuels, Vice-Chairman
(1989-1990)
Marine Board, National Research Council
Committee on Engineering in Ocean Margin Drilling, Member (1980-1982)
Petroleum, Mining and Geological Engineering (Section II) (Earth Resources Engineering
as of 2006)

Liaison to the National Research Council in Geological Engineering (2000-2003)
Chairman (2001-2002)
Peer Committee, National Academy of Engineering (1997-2000)

Professional Societies and Other Councils

American Association of Petroleum Geologists

President (1985-1986)
President-Elect (1984-1985)
Advisory Council, Chairman (1986-1987), Member (1987-1989)
100th Advisory Board
Chairman, Honors and Awards Committee (1987-1988)
Chairman, Nominating Committee (1988-1989)
Member (1964-present)
Trustee, AAPG Foundation (2001-2007), (Chairman, 2006-present)
Member, Charles Taylor Fellowship (current and former editorial board members)
Member, Name Modification Committee (*ad hoc*) (2012)
Member, Trustee Associates, AAPG Foundation (1993-present)
Member, Financial Campaign, AAPG Foundation
Member of the Corporation, AAPG Foundation (1996-present)
Member, Division of Professional Affairs (1984-present)
Member, Energy Minerals Division (2000-present)
Founding Member, Division of Environmental Geosciences (1992-present)
Advisory Board, Treatise on Petroleum Geology (1988-2000)
Representative to International Union of Geological Sciences (1989-1992)
Associate Editor (1982-1985)
Select Committee on the Outer Continental Shelf, Chairman (1981)
Governmental Affairs Committee (1987-present), Chair (2002-2003)
Division of Professional Affairs Council (non-voting) (2002-2003)
Committee on the Resource Base (1989)
Member, Research Committee, Division of Environmental Geosciences (1999-2002)
Committee on Resource Estimation (1993-present)
Ad Hoc Committee on Global Climate Issues (1997-2000)
Industry Liaison Committee (1987-1993)
Academic Liaison Committee (1977-1985)
Continuing Education Lecturer (1972-1985)
Marine Geology Committee (1979-1982)
AAPG/OTC Technical Program Committee (1979-1982)
Continuing Education Committee (1972-1975)
Ad Hoc Committee on Law of the Sea Treaty (1982-1983)
Distinguished Lecturer (1969-1970; 1978-1979)
Co-chair and Co-convener, Symposium on a World of Resources through the 21st Century, Annual Meeting 2000
Co-chair and Co-convener, Symposium on Evolution of Ideas and Technologies: Impact on Petroleum Exploration, Annual Meeting 2001
28th International Geological Congress, Bureau of Organizing Committee,
Vice-President, Institutional Participation (1984-1989)

Association of American State Geologists

President (1981-1982)
President-Elect (1980-1981)
Vice-President (1974-1975; 1979-1980)
Member (1970-1994; 1999)
Honorary Membership Committee (1994-present)
Governmental Liaison Committee (1972-1975; 1977-1978), Chairman (1974-1975;
1978- 1979), ex officio member (1980-1982)
National Geological Mapping Implementation Committee, Member (1988-1990)

Public Affairs Committee (1977-1983), Chairman (1981-1982)
Resources and Environment of the Continental Margins Committee, Chairman
(1983-1986) (1988-1994)
Energy Policy Committee (1991-1992), Chairman (1992-1994)
Nominating Committee (1983-1984), Chairman (1985)
Coastal Erosion Committee (1992-1994)
Endowment Fund Steering Committee (1992-1994)
Minerals Policy Committee (1992-1994)
Liaison to American Association of Petroleum Geologists (1984-1987)
Liaison to Geological Society of America (1989-1991)
Offshore Drilling Committee (1972-1973)
Environmental Geology Committee (1970-1972)
Mineral Management Committee (1982-1983)
U.S. Bureau of Mines
Committee on Minerals Availability (1983)
Committee on Evaluation of Mineral Land Assessment Program (1981)
Coastal Processes Committee (1999)
Continental Margins Committee (1999)
Digital Geological Mapping Committee (1999)
Energy and Mineral Policy Committee (1999)
Environmental Affairs Committee (1999)
Liaison to U.S. Potential Gas Committee (1999)

Geological Society of America

Councilor (1989-1992)
Campaign Advisor, and Section Chairman, Second Century Fund (1995-1997)
Member (1956-present)
Audit Committee (1990-1992), Chairman (1992)
Committee on Geology and Public Policy (1990-1992)
Liaison to Coal Geology Division (1991-1992)
Liaison to Hydrogeology Division (1990)
Geosphere Alliance Committee (1991- 1995)
Selection Committee, Congressional Science Fellows (1991-1993)
Penrose Medal Committee, Chairman (1991)
Committee on Committees (1981-1982)
Nominating Committee (1979-1980)
Committee on Environment and Public Policy (1972-1975)
Field Trip Committee, General Chairman (1972-1973)

American Geological Institute

President (1990-1991)
Past Presidents' Council (1999-present)
Member Society Council, Member (1985-1988), Chairman (1990-1991), Past President
(1992-1994)
Vice President and President-Elect (1989-1990)
Foundation Trustee (1992-present), Chairman, National and Federal Agency
Committee, Secretary (2003-present)
Committee for a Strategic Plan, Chairman (1995)
Steering Committee, National Geoscience Data Repository System, Member
(1993-2005)
Capital Campaign Steering Committee (2002-present)
Search Committee, Chairman (1989-1990)
Finance Committee, Member (1989-1991)
Geology and Public Policy Committee, Member (1989-1990)
Nominating Committee, Member (1985-1986)
Ad Hoc Committee on Earth Science Information Center, Member (1985-1986)
Committee on Environment and Public Policy (1974-1975)

American Institute of Professional Geologists

President (1993)
President-Elect (1992)
Member (1968-present)
Chairman, Advisory Council (1992)
President, Texas Chapter (1979)
National Affairs Committee, Subcommittee on National Energy Affairs (1998-present)
Honors and Awards Committee, Chairman (1997-1998)
Executive Director Search Committee, Chairman (1997-1998)
National Executive Committee (1979-1980)
National Policy Advisory Board (1978)
Executive Committee, Texas Chapter (1975)
Environmental Geology Committee (1978-1981)
Committee on Access to Public Lands for Scientific and Educational Purposes (1980)
(1985-1989)

Gulf Coast Association of Geological Societies

President (1993-1994)
Vice President (1992-1993)
Board of Directors (1992-1995)
Honors and Awards Committee (1995-1999)
Long Range Planning Committee (1995-1998)

Austin Geological Society

President (1973-1974)
Program Chairman (1972-1973)

National Association of State Universities and Land Grant Colleges, Mineral Resources
Committee (1977-1981)

Society of Economic Geologists, Publications Committee (1978-1980)

Society of Independent Earth Scientists, Member, National Energy Council (1991-1995)

Society of Petroleum Engineers, Member, Task Force on Leadership Conferences (1997-1998)

American Institute of Mining Engineers, Government, Energy, and Mineral Affairs Committee
(1977-1980)

Engineering Foundation, Conference on Contingency Planning for Material Resources,
Co-Chairman (1976-1977)

Committee for Coordination of Joint Prospecting for Mineral Resources in Asian Offshore
Areas (1974-1975)

Council for Agricultural Science and Technology, Task Force on Zero Discharge Concepts (1973)

Industry

Gas Research Institute (Gas Technology Institute as of 2000)

Advisory Council, Member (1986-2001)
Science and Technology Committee (1999-2001)
Nominating Committee (1989-1993)

National Petroleum Council (advisory to Secretary of Energy)

Member (1988-present)
Appointments Committee (2006-2013)
Agenda Committee (1989-1990)

Natural Gas Committee (1991-1992)
Member, Committee on Natural Gas (1998-2000)
Member, Natural Gas Supply Task Force (1998-2000)
Research and Development Needs Committee (1994-1995)
Marginal Well Production Committee (1994)
Government Co-Chairman (1976-1977)
Future Energy Prospects Committee, Co-Chairman (1976-1977)
Enhanced Recovery Committee, Co-Chairman (1976)
Coordinating Committee, U.S. Oil and Gas Outlook (1986-1987)
Natural Gas Committee (2002-2003)
Committee on Global Oil and Gas (2006-2007)
Oil and Gas Technology Task Force
 Exploration Subgroup (2006-2007)
 Technology Impact on Conventional Wells Subgroup (2006-2007)
 Technology Impact on Human Resources Subgroup (2006-2007)
Research Partnership to Secure Energy for America (RPSEA)
 Board of Directors (2005-2006)
World Energy Congress
 Host Vice Chair, Division 2.1 (1998)
 Technical Program Committee (1995-1998)
Co-convener, Global Gas Resources Workshop, International Energy Agency International
 Centre for Gas Technology Information (1994)
Southwest Research Institute, Trustee (1990-present)

HRT Participações em Petróleo S.A.

 Director (2010-2013)
 Chairman, Risk and Compliance Committee (2013)
 Member, Technical Committee (2013)

. Diamond Shamrock, Inc.

 Director (1987-1996)
 Executive Committee (1987-1996)
 Audit Committee (1987-1995), Chairman (1992-1995)
 Public Responsibility Committee (1990-1993, 1995-1996)

Pogo Producing Company

 Director (1992-2006)
 Executive Committee (1992-2001)
 Audit Committee (1992-1996, 2000-2006)
 Compensation Committee (1996-2000)
 Management Committee, Chairman (2002-2006)

Elaion I N.V. (Amsterdam),

 Director (1979-1981)

Consolidated Petroleum Industries, Inc.

 Director (1979-1981)
 Compensation Committee, Chairman (1979-1981)
 Audit Committee (1979-1981)

National Association of Corporate Directors (1994-1998)

American Gas Association

 Natural Gas Supply Committee (1988-1989)

American Petroleum Institute

 General Exploration Committee (1978-1982; 1984-1986)
 U.S. National Committee for the World Petroleum Congress (1989-1994)

Texas Independent Producers and Royalty Owners Association (TIPRO)

 Member (1989-1996)
 Chairman, Applied Research and Technology Committee (1989-1995)
 Member, Executive Committee (1993-1995)

World Petroleum Congress

 U.S. National Committee (1989-present)

Independent Petroleum Association of America

Member, Potential Resources Committee (1992-1993)

Conoco, Inc., Technical Excellence Award Committee (1999-2003)

United States Energy Association, Member (1998-present)

Oil Daily, Advisory Board (1989-1992)

Jefferson Energy Foundation Project on Man, Energy, and the Environment, Board of Advisors (1989-1997)

Offshore (Incorporating the Oilman), Member, Editorial Advisory Board (1990-1992)

World Energy Update, Advisory Board (1993-present)

Washington Policy and Analysis/American Gas Foundation, Editorial Review Board for report "Fueling the Future: Natural Gas and New Technologies for a Cleaner 21st Century," 2000

Civic

Austin Chamber of Commerce, Honorary Member and Chairman, Energy Task Force (1987-1988)

Town and Gown (1985-1993)

Rotary Club of Austin (1971-1975)

Kentucky Colonel (1982-present)

MILITARY SERVICE

U.S. Army, Artilleryman (Forward Observer) and, later, Petroleum Laboratory Senior Technician, 1954-1956 (Munsan and Inchon, Korea)

U.S. Army Reserves (inactive), 1956-1962

Honorable Discharge, U.S. Army, 1962