WILLIAM L. FISHER
CAREER HIGHLIGHTS AND CURRICULUM VITAE

April 2026

CAREER HIGHLIGHTS

Research: In Fisher's early research career, he and his associates developed and introduced two basic concepts now pervasively applied in the field of stratigraphy and sedimentology. First was the concept of depositional systems introduced in 1967 by Fisher and his colleague Joe McGowen that defined depositional systems, both modern and ancient, as three-dimensional bodies of sediment deposited in a continuous suite of process-related sedimentary environments. Fisher and his colleague Al Scott presented the first university course entitled Depositional Systems. Today many academic departments in the U. S. and internationally offer a course similarly entitled. The second was the concept of systems tracts, introduced by Fisher and colleague Frank Brown, which linked contemporaneous depositional systems from source to sink. System tracts, now generally designated as low stand, high stand and transgressive system tracts, among others, and characterized by stacking patterns and shoreline or shelf edge trajectories, are the basic components of modern sequence stratigraphy.

Fisher was also a pioneer in the field of seismic stratigraphy developed in the late 1960s and early 1970s. While colleagues at Exxon were developing an approach called seismic stratigraphy, Fisher, and later with Frank Brown, and a number of Brazilian colleagues with Petrobras, independently developed the same approach in the offshore sedimentary basins of Brazil. The first reference to the term seismic stratigraphy (actually *estratifia sismica* in Portuguese) in the literature was in 1973 in a paper published by Fisher and Brazilian colleagues Ercilio Gama and Hideberto Ojeda in Sociedad Brasileira de Geologia, Anais do XXVII Congreso.

In addition to work in depositional systems, seismic stratigraphy and sequence stratigraphy, Fisher published basic papers in evolutionary paleontology with colleague Peter Rodda (notably the *Athleta petrosa* stock) and dolomitization, in environmental geology, in mobile fluid behavior in reservoirs (tying unrecovered mobile oil directly to reservoir complexity which in turn is defined by depositional origin of reservoirs), and in oil and gas resource analysis (championing the role of reserve growth from conventional reservoirs). In 2021, Fisher in his 88th year published along with JSG colleagues Bill Galloway, Ron Steel, Cornel Olarui, Charlie Kerans and David Mohrig, an Earth Science Reviews invited review paper on global basinsal deposits supplied by shelf-incising submarine canyons.

For his research contributions, especially in depositional systems, seismic and sequence stratigraphy, and resource appraisal, Fisher was recognized by election to the U. S. National Academy of Engineering and also by the receipt of seven medals and numerous other awards, including the top medal in sedimentary geology (Twenhofel from SEPM, Society of Sedimentary Geology) and the top medal in basic petroleum geology (Powers from the American Association of Petroleum Geologists). Fisher's major professor, Raymond C. Moore was the first recipient of the Twenhofel Medal and Fisher's first graduate student, Bill Galloway, also recently received the Twenhofel Medal for his work in depositional systems. Fisher's long-time research colleague, Frank Brown, received the Powers Medal for his work largely with Fisher in seismic and sequence stratigraphy. Fisher has received four honorary doctorates and the University of Texas at Austin Presidential Citation.

Publications, Invited Lectures and Congressional and Legislative Testimonies: Fisher has published 350 titles, including 22 books. He has about 7,000 Google citations and an h-index of 31 (as of June 2025). He has presented 750 invited lectures around the world, and has given testimony to the U. S. Congress, the Texas Legislature and various federal and state commissions more than 100 times.

Teaching and student supervision: Fisher has supervised or co-supervised 155 graduate students from 24 countries worldwide, including 30 Ph. D.s, plus some 50 executive training students, many of whom went on to accomplished careers in industry, government and the academy. He has served as a thesis or dissertation committee member for 188 additional graduate students. Fisher taught undergraduate courses in sedimentology and graduate courses in sequence stratigrahy and reservoir geology.

University administration and institutional development: Fisher served as Director of the Bureau of Economic Geology and State Geologist of Texas (24 years), the Geology Foundation (22 years), Chair of the Department of Geological Sciences (now Department of Earth and Planetary Sciences) (6 years) and Director and Inaugural Dean of the Jackson School of Geosciences (6 years). As BEG director Fisher transformed the Bureau from a small, well regarded research unit to a large and one of the best known geological research organizations in the Nation and internationally. In 1980 Fisher and Peter Flawn established the Energy and Mineral Resources program (now Energy and Earth Resources), an interdisciplinary graduate program currently administered by the JSG. Fisher played the key role in establishing the Jackson School of Geosciences at the University of Texas at Austin, the largest academic geoscience institution in the U. S., and in securing its substantial endowment (at the time largest gift to a public university), which supports geological research, basic and applied, for many faculty, researchers, and students, in perpetuity. The JSG in recent years was ranked by U. S. News and World Report as No.1 in the Nation in Geology.

Resource Development: Doing the tenure of Fisher as director, the BEG and the Geology Foundation raised a total of $821 million ($1.47 billion in 2025 dollars), including $283 million at the BEG (1970-1994) and $538 million for the Geology Foundation (1984-2006) with virtually all dedicated to geological research, both pure and applied, and teaching, and, in the case of endowed funds, in perpetuity.

Professional leadership: Fisher has served as elected president of five national geological societies and associations, with service on more than l50 professional committees, many of which he chaired. He served as elected chairman of the board of trustees of the AAPG Foundation trustee and secretary for the AGI Foundation.

National Academies and National Research Council: Fisher has chaired or served as member of 15 committees, boards, workshops, and commissions, including chair of both the Board on Earth Science and Resources and the Board of Mineral and Energy Resources. He is an elected member of National Academy of Engineering (1994) and was appointed a Lifetime National Associate for work supporting the National Academies and its previous National Research Council.

Federal Government Advisory: Fisher has served on 30 federal scientific advisory boards and councils including the White House Science Council (Presidential appointment), the President's Energy Resources Council, the President's Council on Science, Engineering, and Technology (Presidential appointment) and chair of its Board on Earth and Natural Sciences, the Secretary of Energy Advisory Board, Interior's Outer Continental Shelf Advisory Board and the National Petroleum Council.

Federal Government Adiminstrative: Fisher served as deputy assistant secretary for energy and was appointed (by President Gerald R. Ford) and confirmed (by the U S. Senate) as assistant secretary of energy and minerals, both in the Department of Interior.

State Government Advisory: Fisher has served on 45 state advisory boards and councils, including the Texas Scientific Advisory Council, the Texas 2000 Commission, and the Texas Energy and Natural Resources Advisory Council.

State Government Admistrative: Fisher was appointed to the board of the Texas Low Level Waste Disposal Authority by Governors Clements and Richards and confirmed by Texas Senate, serving as its initial chairman.

Corporate Consulting and Board Service: Fisher has consulted with more than 40 U. S. and international energy companies, including more than 40 years with Petrobras and 20 years with PDVSA and Lagoven. He served on the board of directors of Diamond-Shamrock (San Antonio), Pogo Producing (Houston), HRT Participações em Petróleo (Rio de Janeiro), Elaion I N. V. (Amsterdam) and Consolidated Petroleum Industries (Midland).

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CURRICULUM VITAE

July 2025



BUSINESS ADDRESS
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ACADEMIC BACKGROUND

B.S. Geology, Southern Illinois University, 1954
M.A. Geology, University of Kansas, 1958
Ph.D. Geology, University of Kansas, 1961
D.Sc. (*Honoris Causa*), Southern Illinois University, Carbondale, 1986
D. Eng. (*Honoris Causa*), Colorado School of Mines, Golden, 2002
D. Sc. (*Honoris Causa*) Flinders University, Adelaide, Australia 2015
Presidential Citation, equivalent to honorary doctorate (*Honoris Causa*), The University of Texas at Austin, 2002
Special study (Geology Field Camp), University of Oklahoma, 1953
Special study (Friday Harbor Marine Laboratories), University of Washington, 1959

AREAS OF EXPERIENCE

Senior-level administration and management (federal, state, and university)

Formulation and analysis of energy and minerals policy (national and state)

Geological and geophysical research in basin analysis, depositional systems, sequence stratigraphy, energy and mineral resource evaluation, stratigraphic facies analysis, seismic stratigraphic analysis, reservoir geology, and oil and gas recovery

Teaching and lecturing in geology, resources, and public affairs (university, professional and lay organizations, and corporate seminars)

Graduate student supervision at the University of Texas at Austin (Geological Sciences, Energy and Earth Resources, Public Affairs, Latin American Studies, History, and Education)

University research funding and fund development

Professional consultation in energy and mineral exploration, development, policy, and management (for industry and governments, in U. S. and internationally)

Council and committee assignments (national academies, university, state, federal, professional, and private)

Board of Directors service (public and corporate)

Legislative testimony (U.S. Congress, Texas Legislature and various federal and state commissions)

PROFESSIONAL CERTIFICATIONS

Certified Professional Geologist 2398 (American Institute of Professional Geologists through 2019)
Certified Petroleum Geologist 3024 (American Association of Petroleum Geologists, Division of Professional Affairs)
Certified Professional Earth Scientist 2110 (Society of Independent Professional Earth Scientists)

PROFESSIONAL WORK EXPERIENCE

Present Position

Professor and Leonidas T. Barrow Centennial Chair in Mineral Resources Emeritus, \
Jackson School of Geosciences, University of Texas at Austin
Professor Emeritus, Teresa Lozano Long Institute of Latin American Studies
University of Texas at Austin

Past Positions

Leonidas T. Barrow Centennial Chair in Mineral Resources, The University of Texas at Austin (1986-2018) and Professor, Department of Geological Sciences (now Department of Earth and Planetary Sciences), Jackson School of Geosciences, The University of Texas at Austin (1969-1918). Supervision of graduate degree candidates in geological sciences, energy and mineral resources and selected other fields, depositional systems, petroleum geology, and policy; graduate and undergraduate teaching

Member of Graduate Faculty and Graduate Studies Committee, Department of Geological Sciences (now Department of Earth and Planetary Sciences), Jackson School of Geosciences (1969-2018)

Member, Energy and Earth Resources Graduate Studies Committee, Jackson School of Geosciences (1981-2018)

Professor, Teresa Lozano Long Institute of Latin American Studies (1980-2018)

Director and Graduate Advisor, Energy and Earth Resources Program, Jackson School of Geosciences (2012-2016)

Chairman, Energy and Earth Resources Graduate Studies Committee, Jackson School of Geosciences (2012-2016)

Inaugural Dean, John A. and Katherine G. Jackson School of Geosciences, The University of Texas at Austin (2005-2006).
Head of School with component units—Department of Geological Sciences (now Department of Earth and Planetary Sciences), Bureau of Economic Geology, and Institute for Geophysics. Also includes Energy and Earth Resources Graduate Program and Center for International Energy and Environmental Policy (jointly with Cockrell School of Engineering and the LBJ School of Public Affairs).

Director, Geology Foundation (1984-2006) Management and administration of Foundation endowments and expendable funds; coordination with external Advisory Council. Developed $538 million in endowed and expendable funds during tenure. Market value of endowed assets at end of AY 2006 in excess of $400 million. Member *ex officio* Advisory Council.

Director, John A. and Katherine G. Jackson School of Geosciences, the University of Texas at Austin (September 2001-August 2005).

Coordination of component units of the School—Bureau of Economic Geology, Institute for Geophysics, Department of Geological Sciences and Energy and Earth Resources Program

Director and State Geologist of Texas *ad interim*, Bureau of Economic Geology, The University of Texas at Austin (June 1999-January 2000).

Director and State Geologist of Texas, Bureau of Economic Geology, The University of Texas at Austin (July, 1970-September, 1994; on leave March, 1975-January 1977)
Management and direction of Texas State Geological Survey; assessment, inventory, and evaluation of Texas energy, mineral, land, and water resources; research and technical advisor to Governor's Office, Texas Legislature, and state regulatory agencies; basic and applied geologic research, mineral resource evaluation, and mapping. Supervision of 250 professional and support staff.

Chairman, Department of Geological Sciences (now Department of Earth and Planetary Sciences), The University of Texas at Austin (September 1984-August, 1990).

Management and administration of Department of Geological Sciences (now Department of Earth and Planetary Sciences) with 40 faculty and 320 graduate and undergraduate students; teaching and supervision of graduate student committees.

Morgan J. Davis Centennial Chair of Petroleum Geology, Department of Geological Sciences (now Department of Earth and Planetary Sciences), The University of Texas at Austin (1984-1986)

Morgan J. Davis Centennial Professor of Petroleum Geology, Department of Geological Sciences (now Department of Earth and Planetary Sciences), The University of Texas at Austin (1982-1984)

Assistant Secretary, Energy and Minerals, U.S. Department of the Interior (1976-1977) (Presidential appointment by President Gerald R. Ford, with U. S. Senate confirmation)

Policy and technical aspects of the availability, development, and management of the energy, minerals, and materials resources on federal lands; federal government energy and minerals data and analysis of supply and demand—foreign and domestic; resource, geologic, and engineering R&D; exploration and development of oil and gas from conventional sources, oil shale, coal, and geothermal; health and safety of miners; federal power marketing; ocean mining; federal lands lease management and operations. Line supervision and management of the following federal bureaus and offices: U.S. Bureau of Mines, U.S. Geological Survey, U.S. Mining Enforcement and Safety Administration, Office of Minerals Policy and Research Analysis, Bonneville Power Administration, Southwestern Power Administration, Southeastern Power Administration, Alaska Power Administration, Ocean Mining Administration, Defense Electric Power Administration and Emergency Administrations of Petroleum and Gas, Energy Solid Fuels, and Minerals.

Deputy Assistant Secretary, Energy, U.S. Department of the Interior (March 1975 - January 1976) (Secretarial appointment, Rogers Morton).

Energy program of the Office of the Assistant Secretary for Energy and Minerals; chief emphasis in oil, gas, and coal exploration, development and lease management; technical and policy aspects of Outer Continental Shelf oil and gas resources; reserve and resource statistics.

Associate Director, Bureau of Economic Geology (September, 1968-June, 1970).
Formulation and management of major research programs in geology,
mineral, energy, and land resources; supervision of research contracts and grants.

Research Scientist, Bureau of Economic Geology (September, 1963-August, 1968;
on leave spring semester, 1967).

Basic and applied research in the geology of Texas resources; developer of depositional systems analysis in energy and mineral exploration; geologic aspects of natural hazards;

land resource utilization; geologic, resource, and land mapping; resource appraisal.

Research Scientist Associate IV (September 1960-August 1963).

Participating Faculty, Lyndon B. Johnson School of Public Affairs (1977-1981).

Visiting Professor, Department of Geology, Southern Illinois University (Spring, 1967).

Senior Research Scientist, Bureau of Economic Geology, The University of Texas at Austin (1994- 2004)

Geologist, Aluminum Company of America (ALCOA), Rosiclare, IL (Summer 1957)

PROFESSIONAL SOCIETIES

American Association for the Advancement of Science (Fellow)
American Association of Petroleum Geologists (Past-President, Powers Medalist, Honorary Member)
Association of American State Geologists (Past-President, Honorary Member)
American Institute of Professional Geologists (Past President, Parker Medalist)
American Geological Institute (Past-President, Campbell Medalist, Milling Medalist)
Geological Society of America (Past-Councilor, Senior Fellow)
Gulf Coast Association of Geological Societies (Past-President, Boyd Medalist, Honorary Member)
Austin Geological Society (Past-President, Honorary Member)
Texas Academy of Science (Fellow)
Society of Economic Geologists (Senior Fellow)
Society of Economic Paleontologists and Mineralogists (Twenhofel Medalist)
Society of Mining Engineers
Society of Petroleum Engineers
Society of Independent Professional Earth Scientists
Associação Brasileira de Geólogos de Petróleo
Petroleum History Institute (Lifetime Member)

AWARDS, HONORS, AND ELECTIONS

Leonidas T. Barrow Centennial Chair in Mineral Resurces Emeritus, The University of Texas at Austin (2018-)
Leonidas T. Barrow Centennial Chair in Mineral Resources, The University of Texas at Austin (1986-2018)
Morgan J. Davis Centennial Chair of Petroleum Geology, The University of Texas at Austin (1984-1986)
Morgan J. Davis Centennial Professor of Petroleum Geology, The University of Texas at Austin (1982-1984)

Doctorate of Science, *Honoris Causa*., Southern Illinois University, Carbondale, 1986

Doctorate of Engineering*, Honoris Causa*, Colorado School of Mines, Golden, 2002

Doctorate of Sciences, Honoris Causa, Flinders University, Adelaide, Australia, 2015

Presidential Citation Medal, The University of Texas at Austin, 2002, (equivalent to honorary doctorate, *Honoris Causus*). Award recipients must have achieved distinction in their fields of endeavor and be people of such integrity, stature, demonstrated ability and renown, which the University community will take pride in and be inspired by their recognition. Recipients also must have provided service that has made a profound and positive difference in the achievement of the University's mission..

Elected Member, National Academy of Engineering, The National Academies of Science, Engineering and Medicine, 1994

Presidential Appointmemt: Assistant Secretary of the Interior for Energy and Minerals appointed by President Gerald R. Ford with confirmation by U. S. Senate, 1976

Presidential Appointment, White House Science Council (by President Ronald W. Reagan) (1988)

Designated Founding Member, Texas Academy of Medicine, Engineering, Science and Technology (TAMEST), 2004 (Membership includes Nobel laureates and elected members of the U. S. National Academies of Science, Engineering and Medicine residing in Texas)

Sidney Powers Medal for Distinguished Achievements in Petroleum Geology, American Association of Petroleum Geologists, 1994

William H. Twenhofel Medal for Excellence in Sedimentary Geology, SEPM (Society for Sedimentary Geology), 2001

Marcus E. Milling Legendary Geoscientist Medal for Significant Scientific Contributions and Sustained Service to the Geosciences, American Geological Institute, 2007

Ian Campbell Medal for Singular Contribution to and Performance in the Profession of Geology, American Geological Institute, 1991

Ben H. Parker Medal for Distinguished and Outstanding Service to the Profession of Geology, American Institute of Professional Geologists, 1996

Don R. Boyd Medal for Excellence in Gulf Coast Geology, Gulf Coast Association of Geological Societies, 2002

Hollis D. Hedberg Medal for Excellence in Energy, Institute for the Study of Earth and Man, 1991

Medallion of Office, Inaugural Dean, Jackson School of Geosciences, The University of Texas at Austin, 2005-2006

William L. Fisher Endowed Chair in Geological Sciences established and endowed by Jackson School of Geosciences and Geology Foundation through support of friends and colleagues, University of Texas

at Austin, 2014
William L. Fisher Endowed Congressional Geoscience Fellowship established by the American Geological Institute, AGI Foundation and support of friends and colleagues), 2003
William L. Fisher Prize for Excellence in Research, a $10,000 cash prize establihed by the Jackson Scool of Geosiences and Geology Foundation through grnerous support of Robert A. and Gwen Morton, University of Texas at Austin, 2023
Presidential Citation Endowed Presidential Scholarship, honoring Allen J. Bard, Jack S. Blanton, William L. Fisher, Peter T. Flawn and H. Bryce Jordon, established by University of Texas Board of Regents, 2001
Inducted into Hall of Distinction, Jackson School of Geosciences, University of Texas at Austin, 2018
Designated a GeoLegend, American Association of Petroleum Geologists, 2017. Key geoscientists who made game-changing discoveries, significant scientific contributions that were adopted by the greater geo-community, or people who made significant contributions in building companies or service to the profession. On occasion of the 100 anniversary of the Association. Listing of GeoLegends and extended video interviews at https://100years.aapg.org/geolegends/videos
Alumni Distinguished Achievement Award, University of Kansas, College of Liberal Arts and Sciences, 2014
Alumnus of the Year, Bureau of Economic Geology, Jackson School Of Geosciences, University of Texas at Austin, 2008
Distinguished Achievement Award, Associação Brasileira de Geólogos de Petróleo (ABGP), 2009, For educating several generations of oil finders worldwide, especially the first Brazilian deepwater explorationists
Lifetime National Associate (Honorary) of the National Academies (Recognizes extraordinary service to the National Research Council and The National Academies), 2003
Elected President, Austin Geological Society, 1973
Elected President, American Institute of Professional Geologists, Texas Chapter, 1979
Elected President, Association of American State Geologists, 1981
Elected President, American Association of Petroleum Geologists, 1985
Elected President, American Geological Institute, 1990
Elected President, American Institute of Professional Geologists, 1993
Elected President, Gulf Coast Association of Geological Societies, 1993
Elected Councilor, Geological Society of America, 1989
Elected Trustee, Southwest Research Institute, 1990-2018
Elected Trustee, American Association of Petroleum Geologists Foundation, 2000-2006
Elected Chairman, Board of Trustees, American Association of Petroleum Geologists Foundation, 2006-2013
Elected Trustee Emeritus, American Association of Petroleum Geologists Foundation, 2013

Elected Trustee, Ameican Geoscience Institute Foundation 1992-2015
Elected Trustee Emeritus, American Geoscience Institute Foundation, 2015
Emeritus Trustee Award, American Geoscience Institute Foundation, 2016
Elected Honorary Life Member, Geology Foundation Advisory Council, Jackson School of Geosciences, University of Texas at Austin 2006
Elected Honorary Life Member Geology Associates Advisory Board, Kansas University 2021
Elected Honorary Member, American Association of Petroleum Geologists, 1990
Elected Honorary Member, Gulf Coast Association of Geological Societies, 1986
Elected Honorary Member, Austin Geological Society, 1993
Elected Honorary Member, Association of American State Geologists, 1994
Elected Fellow, American Association for the Advancement of Science, 2003
Elected Fellow, Geological Society of America, 1968
Elected Senior Fellow, Geological Society of America, 1998
Named 50-year Fellow, Geological Society of America, 2007
Elected Fellow, Texas Academy of Science, 1970
Elected Fellow, Society of Economic Geologists, 1970
Elected Senior Fellow, Society of Economic Geologists, 2003
Littlefield Society, University of Texas at Austin, 2014
Appointed Member, National Petroleum Council (by Secretaries of Energy), 1988-2018
Appointed Member, Texas Low Level Radioactive Waste Disposal Authority (Governor William P. Clements (twice) and Governor Ann Richards, confirmed by Texas Senate) 1981-1999
Colonel Edwin L. Drake Legendary Oilman Award, Petroleum History Institute, 2010 (for lifetime commitment, contribution and achievement in advancing petroleum geology and its application to industry, government and academia)
Carolyn G. and G. Moses Knebel Distinguished Teaching Award, Department of Geological Sciences (now Department of Earth and Planetary Sciences) The University of Texas at Austin, 2000 (by student election)
Joseph C. Walter, Jr. Excellence Award, Jackson School of Geosciences, The University of Texas at Austin, 2001, 2011
Chairman's Award, American Association of Petroleum Geologists Foundation, 2015
Heritage Award, for those who have excelled in the field of petroleum geology and have inspired others in their quest, Division of Professional Affairs, American Association of Petroleum Geologists, 2006
Robert Earll McConnell Award, American Institute of Mining, Metallurgical, and Petroleum Engineers, 2004 for significant contributions to oil and gas recovery technology and energy and mineral resource assessment
John T. Galey Public Service Award, American Institute of Professional Geologists, 1985
William B. Heroy, Jr., Distinguished Service Award, American Geological Institute, 1997
Pete Henley Mentor Award, Texas Section Association of Environmental and

Engineering Geologists, 2009
Distinguished Service Award, American Association of Petroleum Geologists, 1982
Distinguished Service Award, American Association of Petroleum Geologists, Division of Professional Affairs, 1989
Distinguished Service Award, West Texas Geological Society, 1990
Certificate of Distinguished Service, Association of American State Geologists, 1994
Distinguished Service Award, Association of American State Geologists 2007
Certificate of Appreciation, American Association of Petroleum Geologists, 2008
Special Award for Contributions to Brazilian Petroleum Geology, Associação Brasileira de Geólogos de Petroleo, 1996
Public Service Award, American Institute of Professional Geologists, Texas Chapter, 1996
Hats Off! Award, Texas Independent Producers and Royalty Owners Association (TIPRO), 2002
Commissioned a Kentucky Colonel (honorific) by Governor John Y. Brown, Jr., 1982
Commissioned a True Texian (honorific), by Governor William P. Clements, 1983
Commissioned Admiral, Texas Navy (honorific), by Governor George W. Bush, 2000
Transactions Dedicatee, Gulf Coast Association of Geological Societies, 1989
Bulletin Dedicatee, American Association of Petroleum Geologists, Special Issue: 3-D Anatomy of a Supergiant, Maracaibo Basin, Venezuela, v. 90, n. 4, 2006.
Distinguished Lecturer, American Association of Petroleum Geologists, 1970-1971, 1978-1979
Distinguished Lecturer in Geoscience Policy, National Research Council, The National Academies, 1994
Hedberg Distinguished Lecturer, University of Kansas, 1990
Berg Distinguished Lecturer, Wichita State University, 1988
Mayfield Distinguished Lecturer, Bowling Green State University, 1987
Hearst Distinguished Lecturer, University of California at Berkeley, 1991
Distinguished Lecturer, California State University, Fresno, 1991
Noël Distinguished Lecturer in Energy, University of Texas, Permian Basin, 1997
Geology and Society Distinguished Lecturer, Geological Society of America, 2008
Erasmus Haworth Distinguished Alumni Honors in Geology, University of Kansas, 1978
Outstanding Achievement Award, Southern Illinois University, 1977
Distinguished Service Award, Southern Illinois Incorporated, 1977
Grover E. Murray Best Paper Award, Gulf Coast Association of Geological Societies, 1970 (with C. V. Proctor, W. E. Galloway, and J. S. Nagle)
Summer Fellow, National Science Foundation, University of Kansas, 1959, 1960

Shell Fellow, University of Kansas, 1959-1960
Erasmus Haworth Graduate Award in Geology, University of Kansas, 1958
Merit Award, Department of Geology, Southern Illinois University, 1954
Certificate of Merit, American Association of Petroleum Geologists, 1981, 1987, 1994
Certificate of Appreciation, Geological Society of America, 1992
Member, Sigma Gamma Epsilon
Member, Sigma Xi
Member, Phi Kappa Phi
Honorary Member, Pi Epsilon Tau
Named One of 100 Most Influential People in Gas and Electricity of the 20th Century, Century of Power, Energy Markets Magazine, 2000
Listed in Who's Who in the World (since 2004), Who's Who in America (since1998), Who's Who in American Education, Who's Who in Science and Engineering (since 1994), American Men and Women of Science, Financial Times Who's Who in World Oil and Gas, Who's Who in the South and Southwest (since 1998), and Who's Who in the 21st Century

BOARD, COMMITTEE, AND ADVISORY COUNCIL ACTIVITIES

Universities

The University of Texas at Austin
- John A. and Katherine G. Jackson School of Geosciences
  - Inaugural Dean (2005-2006)
  - Director (2001-2005)
  - Steering Committee, Chairman (2001-2005)
  - Dean Search Committee (2009)
- Geology Foundation
  - Honorary Life Member, Advisory Council (2006)
  - 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
- Energy and Earth Resources Interdisciplinary Graduate Program, Advisory Committee (2019-present)
- 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 Admission s and Registration (2011-2012)
- Committee on University Academic Calendar (2012-2013)
- Faculty Steering Committee, Graduate Portfolio Program in Energy Studies
- Energy Institute 2013-2015)
- Dean's Council (2005-2006)
- University Leadership Council (2005-2006)

Committee on Development of Ethics and Leadership Flag (2009)
Department of Geological Sciences (now Department of Earth and Planetary Sciences) Chairman (1984-1990)
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 (now Department of Earth and Planetary Sciences) and Petroleum and Geosystems Engineering (1994) College of Natural Sciences
John A. and Katherine G. Jackson School of Geosciences Chartering Committee, Chairman (2001)
Brazil Center, Faculty Associate (1974-2018), 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 (1977-2018) (Chairman 2008)
Faculty, Lozano Long Institute of Latin American Studies (1973-2018)
Member, Promethean Society, College of Natural Sciences (1995-present)
Member, Littlefield Society (2014-present)
Energy and Earth Resources Graduate Studies Committee (1994-2018), Director (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 atAustin 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; 1995-2015)
Houston Area Research Council, Center for Geotechnology, Advisory Board (1985-1987)
University of Kansas, Geology Associates, Advisory Board (1972-1974; 1983-2021, elected Honorary Life Member, 2021)
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)

Federal Government

The White House
President's Energy Resources Council, member representing Interior, 1975-1977 (Established under the Energy Reorganization Act signed in 1974. As a high level Interagency body within the Executive Office of the President, the ERC was charged with ensuring communication and coordination among the agencies of the Federal Government which have responsibilities for the development and implementation of energy policy or for the management of energy resources.)

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 (1976-1977), Committee on Materials, Chairman (1976-1977)

United States Department of the Interior
Outer Continental Shelf, Policy Advisory Board (1979-1992), Elected Chairman (1982-1984)
Committee on National Energy Policy, Chairman (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)
United States Department of Commerce
Member Coastal Zone Advisory Board, 971-1974
United States 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)
United States Department of Energy/Federal Energy Regulatory Commission, Natural Gas Deliverability Task Force, Member (1991-1992)
United States Bureau of Mines, Academic Committee, Chairman (1988)
United States 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)
United States 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)
United States Department of Energy/RAND Corporation, Conference on Natural Gas Resources Estimation, Chairman (1982)
Engineering Foundation/National Science Foundation, Conference of Contingency for Materials Resource Advisory Board, Co-Chairman (1977)
General Services Administration, Advisory Panel on Stockpile Disposal Policies (1978-1979)
National Aeronautics and Space Administration, Johnson 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 (1986-1992
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)
Texas 2000 Commission (appointed by Governor Wiliam P. Clements)
Commissioner (1980-1982)
Energy Committee, Chairman (1980-1982)
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
Board of Directors (1981-1987; 1987-1993; 1993-1999)
Chairman (1982-1984)
Vice Chairman (1984-1986; 1991-1997)
Chairman, Legislative Agenda Committee (1988)
Chairman, Budget Committee (1987-1988; 1990-1997)
Member, Technical Committee (1987-1999)
Member, Compensation Committee (1996-1997)
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 statue)
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
Texas Railroad Commission, Council on Data Needs (1994-1995)
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)

The National Academies of Science, Engineering and Medicine/National Research Council

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 (2014-2017)
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)
Board on Mineral and Energy Resources, National Research Council
Chairman (1988)
Member (1982-1988)
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 Panel and Workshop), 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 (Member 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)
Member, 100th Anniversary Advisory Board (2012-2017)
Chairman, Honors and Awards Committee (1987-1988)
Chairman, Nominating Committee (1988-1989)
Member (1964-present)
Member, Trustee Associates, AAPG Foundation (1993-2001)
Member of the Corporation, AAPG Foundation (1996-present)
Trustee, AAPG Foundation (2001-2007), (Chairman, 2006-2012)
Trustee Chairman Emeritus (2012-present)
Member, Financial Campaign, AAPG Foundation
Member, Charles Taylor Fellowship (current and former editorial board members)
Member, Name Modification Committee (*ad hoc*) (2012)
Member, Division of Professional Affairs (1984-present)
Member, Energy Minerals Division (2000-present)
Founding Member, Division of Environmental Geosciences (1992)
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)
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 (American Geosciences 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 (1992-2015), Chairman, National and Federal Agency Committee, Secretary (2003-2015); elected Trustee Emeritus, 2015
Committee for a Strategic Plan, Chairman (1995)
Steering Committee, National Geoscience Data Repository System, Member (1993-present)
Capital Campaign Steering Committee (2002-2005)
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)
Chairman, Advisory Council (1992)
President, Texas Chapter (1979)
National Affairs Committee, Subcommittee on National Energy Affairs (1998-2000)

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 and Other

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 (1988-2018)
- Appointments Committee (2006-2018)
- 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)
  - 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 (1990-2018)

HRT Participações em Petróleo S.A. (Brazil)
- 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)
World Petroleum Council
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 (1998-2010)
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 (1993-2000)
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)

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

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RESEARCH AND FOUNDATION FUND DEVELOPMENT RECORD

The Bureau of Economic Geology, during the 24-year directorship of W. L. Fisher, raised $135.1 MM in external research support and defended State appropriations of $21.4 MM, for a grand total of research support of $156.5 MM ($385.0 MM in current dollars), with an average annual increase in operating budget of 16.9 percent over the period. In addition, one endowment was received with a book value of $1.2 MM and a 2007 market value of $3,201,870.

The Geology Foundation, under direction of W. L. Fisher from1984 to 2006, increased market value of its endowed accounts during the period from $10.4 MM to $311.7 MM, an increase of $301.3 MM. In addition, $24.7 MM was developed as nonendowment gifts to the Foundation over the18 year period, including $15.0 MM to enlarge the Geological Sciences Building. Distribution of earnings from Foundation endowments from 1985-2005 amounted to $101.9 MM (2005$). In addition, $80,863,923 was received in the form of oil and gas properties and royalties for the Jackson Estate, properties with a 2007 market value of $100.5 MM. A total of $9.5 royalty income was received from 2003 through August 2006. The total increase for the period AY 1985-2006 was $537.6 MM.

PUBLICATIONS

Books

DeCotis, P. A., Ajello, J. A., Ehlig-Economides, C., Fisher, W. L., Kalen, S., Pfannenstiel, J., Reicher, D. Rendu, J-M., M., Rkosinski, S. and Surles T., 2017, Utilizing the energy resource potential of DOE lands: National Academies of Sciences, Engineering, and Medicine, Washington, DC: The National Academies Press 52p..https://doi.org/10.17226/24825.

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Fisher, W. L., 2013, Petroleum Liquids: in the World Scientific Handbook of Energy, G. M. Crawley, Editor, World Scientific Publishing Company, p. 41-58.

Fisher, W. L., Bauder, J. W., Clements,W. H., Hua, I., Maest, A. S., Ray, A. W., Riese, W. C., Siegel, D. J., Thyne, G. and Eide, E. A., 2010, Management and effects of coalbed methane produced waters in the Western United States: National Academies Press, The National Academies, 219 p.

Fisher, W. L., 2008, Leaning Forward: A Memoir: University of Texas at Austin, Bureau of Economic Geology, SR 0016, 424 p.

Fri, R., Agnew W., Blair, P. D., Cavanagh, R., Chowdhry, U:., Cohen, L. R.., Corman, J., Dreyfus, D. A., Fisher, W. L., Hall, R., Hidy, G. M., Mowery, D. C., Peach, J. D., Savitz, M. L., Siegel, J. S., Sweeney, J. L., Wise, J.J., Wolf, J. L., and Woods, J., 2001, Energy research at DOE: was it worth it? National Academy Press, The National Academies, 401 p.

Fisher, W. L., Curtis, J.B., Green, S. J., Hall, P. M. Krebs, M. A., Maurer, W. C., Nehring, R. and Pilson, M. E. Q., 2007, Report of the Panel on DOE's Natural Gas Exploration and Production R&D Progam, p. 152-167, Committee on Prospective Benefits of DOE's Energy Efficency and Fossil Energy R&D Program, p. 152-167: National AcademyPress, The National Academies.

DePaolo, D., Thomas, H. F., Antenucci, J.C., Christensen,O. D., Clegg, M. T., Dunne, T., Fisher, W. L., Fritz L.W., Hieken, G. T., MacMahon, J.A., Nielson, D.R., Nigg, J. M., Nriagu, J. O. Price, R.A., Sarewitz, D. And Stein, B. A., 2000, Future roles and opportunities for the U.S. Geological Survey: National Academy Press, The National Academies, 179 p.

Holdren, J. P., Ahearne, J., Balzhiser, R., Bok, J.T., Conn, R. W., Fisher, W. L., Fisher, T. L., Frosch, R. A., Fulkerson, W., Harvey, H., Lashof, D. A., MacArthur, D., Papay, L. T., Paul, D. L., Savitz, M, Tyson, L., Vest, C. W., Weldon, V. V., Williams, R. H., Wu, L. S. and Young, J. 1997, Report to the President on Federal Energy Research and Development for the Challenges of The 21st Century, President's Committee of Advisors on Science and Technology (PCAST), The White House, 259 p.

Wyllie, P. J., Abelson, P. H., Adams, S. S., Allen, C. R., Barber, G. A., Brett, R., Berner, R. A., Bredehoeft, J. D., Coleman, R. G., Doe, B. R., Drake, C. L., Finger, L W. Fisher, W. L., Goetz, A. F. H., Hatheway, A. W., Haun, J. D., Hays, J. F., Hinze,W. J., Jeanloz, R., Kauffman, M. E., Parrish, J. T., Prewitt, C. T., Russel, L.R., Schumm, S. A., Skinner, B. J., Stanley, S. M., Turcotte, D. L., Turekian, K., Wallace, R. E., Weill, D. F., Zartman, R. E., and Burke K. C. , 1993, Solid-Earth Sciences and Society: National Academy Press, National Academy of Sciences, Washington, D. C., 349 p.

Fisher, W. L., Angino, E. E., Claypool, G. B., Henshaw, P. C., Knapp, R. M., Leighton, M.W., Nur, A. M., Thomasson, M. R., and Vail, P. R., 1988, Scientific drilling and hydrocarbon resources: National Academy Press, National Academy of Sciences, Washington, D.C., 89 p.

Fisher, W. L., Fleming, M. L., Holland, D.S., Joiner, T.J., Nehring, R. D., Perkins,T.K., Riva, J. P., Roadifer, R. E. Wesson R.L, White, D. A., 1986, Offshore hydrocarbon resource estimation, National Academy Press, National Academy of Sciences, Washington, D.C., 59 p.

Fisher, W. L., Agnew, A. F., Elkins, L.E., Garrett, R. W. Hanna, L. E. Hardy, W. C., Hocott,C.R., Nehring, R. D., Ramey, J. D., Thomasson, M. R., Wallace, M. A., White, I. L.,1983, Estimating the short-term producibility of oil and gas: National Academy Press, National Academy of Sciences, Washington, D.C., 124 p.

Fisher, W. L. and Brown, L. F., 1983, Basin analysis and seismic stratigraphy: A genetic approach to depositional systems analysis in the exploration of petroleum and sedimentary minerals: 714 p., English Book Depot Publishing, Dehra Dun, India

Hocott, C. R., Fisher, W. L. and others, 1981, Engineering safety in the ocean margin drilling program: National Academy Press, National Academy of Sciences, 31 p.

Brown, L. F., Jr., and Fisher, W. L., 1980, Seismic stratigraphic interpretation and petroleum exploration: American Association of Petroleum Geologists, Continuing Education Course Note Series 16, 181 p.

Fisher, W. L. and Dorfman, M. H., ed., 1980, Proceedings, Fourth United States Gulf Coast Geopressured Geothermal Energy Conference: The University of Texas at Austin, Center for Energy Studies, 3 vols., 1692 p.

Fisher, W. L., 1977, Mining and minerals policy: 1977 Annual Report of the Secretary of Interior under the Mining and Minerals Policy Act of 1970 (coordinator): Washington, D.C., U.S. Department of the Interior, 154 p.

Fisher, W. L. (with Kleppe, T. S., and others), 1976, Energy perspectives 2: Washington, D.C., U.S. Department of the Interior, 224 p.

Fisher, W. L., and Brown, L. F., Jr., 1972, Clastic depositional systems—a genetic approach to facies analysis, an annotated outline and bibliography: The University of Texas at Austin, Bureau of Economic Geology Special Publication, 230 p. (revised and updated, 1984)

Fisher, W. L., Brown, L. F., Jr., Scott, A. J., and McGowen, J. H., 1969, Delta systems in the exploration for oil and gas: The University of Texas at Austin, Bureau of Economic Geology Special Publication, 212 p., 168 figs.

Fisher, W. L., Rodda, P. U., and Dietrich, J. W., 1964, Evolution of Athleta petrosa stock (Eocene, Gastropoda) of Texas: University of Texas, Austin, Publication 6413, 117 p., 11 pls., 33 figs.

Bulletins and Reports

Fisher, W. L., and Seals, S. J., 2001, Human resources: the missing piece of the energy puzzle: Interstate Oil and Gas Compact Commission, Special Publication, 17 p.

Fulkerson, W., Fisher, W. L., and others, 1997, Report of the Fossil Fuel Task Force to the Energy Research and Development Panel, The President's Committee of Advisors on Science and Technology, 65 p.

Fisher, W. L., Noel Tyler, Carol L. Ruthven, Thomas E. Burchfield, and James F. Pantz, 1992, An Assessment of the Oil Resources Base of the United States, Bartlesville Project Office, U.S. Department of Energy, Bartlesville, Oklahoma, October 1992. U.S. Department of Energy Document No. DOE/BC-93/1/SP.

Fisher, W. L., 1992, Resource assessment and production potential of the Texas oil, natural gas, and geothermal resource base: State of Texas Energy Policy Partnership, 7 p., with charts.

Fisher, W. L., and others, 1990, Technical factors in Edwards aquifer use and management: a report for the Special Committee on the Edwards Aquifer, Texas Senate and House of Representatives, 57 p.

Fisher, W. L., 1990, Capability of U.S. oil resource base for stable production: prepared at the request of U.S. Senate Finance Committee, Lloyd Bentsen, Chairman, 11 p.

Fisher, W. L., McDonald, S., Rostow, W. W., McKie, J., Baughman, M., and Smith, E., 1989, Stabilizing U.S. oil prices: a report prepared at the request of Governor W. P. Clements, Task Force on Oil Price Stabilization, The University of Texas at Austin, 65 p.

Finley, R. J., Fisher, W. L., and others, 1988, An assessment of the natural gas resource base of the United States: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 179, 69 p.

Fisher, W. L., and others, 1988, An assessment of the natural gas resource base of the U.S.: Washington, D.C., Report to the U.S. Department of Energy, Office of Policy, Planning & Analysis, DOE/W/31109-H1, 126 p.

Fisher, W. L., 1987, Can the U.S. oil and gas resource base support sustained production?: The University of Texas, Bureau of Economic Geology Geological Circular 87-4, 6 p.

Devereux, E., Ferguson, T., Fisher, W. L., and others, 1987, Economic growth and investment in higher education: The University of Texas at Austin, Bureau of Business Research, 52 p.

Fisher, W. L., and others, 1987, Averting future energy crises: Background, issues, options, and recommendations: Report to Outer Continental Shelf Policy Advisory Board, U.S. Department of the Interior, 24 p.

Fisher, W. L., U.S. Oil Outlook: prepared at the request of Senator Lloyd Bentsen; released by Senator Bentsen, March 1987, 37 p.

Fisher, W. L., and Finley, R. J., 1986, Recent production trends and outlook for future oil and gas supplies in Texas: The University of Texas at Austin, Bureau of Economic Geology Geological Circular 86-4, 31 p.

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Citations, Memorials and Eulogies

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p. 691,with Ernest A. Mancini; also in AIPG TPG, 2025, v. 62, n. 3, p.48, with Ernest A. Mancini

For Richard D. Nehring, Memorial, AAPG Bulletin, v. 108, no. 3,

(March 2024), p. 576–577, with John Curtis and Jim Emme

For Peter T. Flawn, Memorial Tributes v. 23, National Academy of Engineering, The National Academies: The National Academies Press, p.99-103, with Bridget R. Scanlon, 2021

For L. F. (Frank) Brown, Memorial Resolution, University of Texas at Austin, with Bob Loucks and Paul Weimer

For L. F. (Frank) Brown, Memorial, , with Paul Weimer, AAPG Bulletin, v. 102,

no. 12, p. 2655–2656

For Charles Kerans, SEPM Honorary Membership, 2018 President's Reception and

Awards Ceremony, Salt Lake City. Annual Report for the Society for 2018, p. 6-7.

For Peter Tyrell Flawn, Memorial, AAPG Bulletin, v. 102, n. 6, June 2018, p. 1169-1170

For Peter T. Flawn, Memorial, Jackson School of Geosciences, UT Austin, 2017 Newsletter, p. 132-34.

For Scott W. Tinker, 2016 recipient of the Don R. Boyd Medal, Gulf Coast Association of Geological Societies, Trans., v. LXVI, p. v-vi, Annual Meeting, Corpus Christi, TX

For Raul Mosmann, Memorial, American Association of Petroleum Geologists Bulletin, v. 99, no. 12, p. 2246-2247, 2016.

For John J. Amoruso, Transactions Dedicatee, Gulf Coast Association of Geological Societies, Transactions v. XLV, 2015

For Scott W. Tinker, Honorary Membership, American Association of Petroleum Geologists, 2015, AAPG Bulletin, v.99, no. 6 p. 1153-1155.

For Charles Kerans, Francis J. Pettijohn Medal for Excellence in Sedimentology and Stratigraphy, Society for Sedimentary Geology, 2015, with Laura Zahm and Scott Tinker

For Robert Gunn, Weeks Memorial Medal, American Association of Petroleum Geologists Foundation, 2013

For John J. Amoruso, Col. Edwin Drake Legendary Oilman Award, Petroleum History Institute, 2103

For Richard Baille, Chairman's Award, American Association of Petroleum Geologists Foundation, 2013

For Ernest A. Mancini, Boyd Memorial Medal, Gulf Coast Association of Geological Societies, 2012

For Bill Barrett, Weeks Memorial Medal, American Association of Petroleum Geologists Foundation 2012

For Herbert Davis, Chairman's Award, American Association of Petroleum Geologists Foundation, 2012

For William E. Gipson, Col. Edwin Drake Legendary Oilman Award, Petroleum History Institute, 2012

For William Crain, Chairman's Award, American Association of Petroleum Geologists Foundation, 2011

For Jack C. Threet, Weeks Memorial Medal, American Association of Petroleum Geologists Foundation, 2010

For John Shelton, Chairman's Award, American Association of Petroleum Geologists Foundation, 2009

For Thomas D. Barrow, Pioneer Award, American Association of Petroleum Geologists,

Bull., v. 94, 2010

For Lawrence W. Funkhouser, Weeks Memorial Medal, American Association of Petroleum Geologists Foundation, 2010

For T. Boone Pickens, Weeks Memorial Medal, American Association of Petroleum Geologists Foundation, 2009

For Douglas C. Ratcliff, Public Service Award, American Association of Petroleum Geologists, Bull., v. 92, 2008

For Marta Weeks Wulf, Weeks Memorial Medal, American Association of Petroleum Geologists Foundation, 2008

For Amos Salvador, Memorial, University of Texas at Austin, 2008, with Mark Cloos and William R. Muehlberger

For John J. Amoruso, Michel T. Halbouty Outstanding Leadership Award, American Association of Petroleum Geologists, Bull., v. 91, p. 747-748, 2007

For Peter T. Flawn, Public Service Award, American Association of Petroleum Geologists, Bull., v. 91, 2007, p. 772-774, 2007

For John C. Maxwell, eulogy, Austin, Texas, 2005

For Samuel S. Adams, Citation, Ian Campbell Medal, American Geological Institute; Program Geological Society of America, annual meeting, 2005, Salt Lake City.

For John J. Amoruso, Citation, Don R. Boyd Medal for Excellence in Gulf Coast Geology Coast Association of Geological Societies, Transactions, v. 55, p. F-10-F-11,2005, New Orleans

For Marcus E. Milling, Citation, Pick and Gavel Award, Association of American of State Geologists, 2005, Washington, D. C.

For Gus K. Eifler, Jr. Memorial, (with D. C. Ratcliff and A. R.Masterson) American Association of Petroleum, Bull. v. 88. P. 539, 2004

For Keith P. Young, eulogy, 2004, Austin, Texas

For William E. Galloway, Citation, Grover E. Murray Distinguished Educator Award, American Association of Petroleum Geologists Bulletin, v. 88, p. 677-678, 2004.

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For Grover E. Murray, eulogy, 2003, Lubbock, Texas

For John A. Jackson, Memorial, American Association of Petroleum Geologists Bulletin, v. 87, p. 1847-1848, 2003.

For John A. Jackson, Memorial, American Institute of Professional Geologists, The Professional Geologist, v. 40, p. 22-23, 2003.

For John A. Jackson, eulogy, 2003, Dallas, Texas

For L. Decker Dawson, Hall of Honor Inductee, College of Natural Sciences, The University of Texas at Austin, 2003

For William E. Galloway, Honorary Membership, Gulf Coast Section SEPM (Society for Sedimentary Geology), Gulf Coast Association of Geological Societies Transactions, v. 52, p. 40, 2002.

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For Virgil E. Barnes, Memorial, American Association of Petroleum Geologists Bulletin, v. 85, no. 4, p. 752-753, 2001 (with E. L. Lundelius and W. R. Muehlberger), 2001.

For John A. Jackson, Hall of Honor Inductee, College of Natural Sciences, The University of Texas at Austin, 2001.

For Russell G. Slayback, Ben H. Parker Medalist, American Institute of Professional Geologists, 2000.

For Don R. Boyd, eulogy, 2000, Corpus Christi, Texas

For Milo Backus, Hollis D. Hedberg Medalist, Institute for the Study of Earth and Man, 2000.

For Robert E. Boyer, Honorary Life Membership, Advisory Council, Geology Foundation, The University of Texas at Austin, Award booklet, 2000.

For Charles J. Mankin, Honorary Membership, American Association of Petroleum Geologists, Annual Meeting Program, p. 54, 2000.

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For Don R. Boyd, Special Commendation, Gulf Coast Association of Geological Societies Transactions, v. 49, p. iii-v, 1999.

For Virgil E. Barnes, Memorial, The University of Texas at Austin Resolution, 1999 (with W. R. Muehlberger and Ernest Lundelius).

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For Charles G. Groat, Ian Campbell Medalist, in Geological Society of America Awards Program, American Geological Institute, unpaginated, 1998.

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For Virgil E. Barnes, eulogy, Austin, Texas, 1998

For Don R. Boyd, Hall of Honor Inductee, College of Natural Sciences, The University of Texas at Austin, 1998.

For John A. Jackson, Honorary Life Membership, Geology Foundation Advisory Council, The University of Texas at Austin, Award booklet, 1998.

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For Charles J. Mankin, Honorary Membership, American Institute of Professional Geologists, Columbus, Ohio, 1996.

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For Bernold M. Hanson, Environmental Achievement, Midland College, Midland,Texas. 1996

For Peter R. Rose, Distinguished Service Award, American Association of Petroleum Geologists Bulletin, v. 80, no. 6, p. 955–956, 1996.

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For Joseph C. Walter, Jr., Hall of Honor Inductee, College of Natural Sciences, The University of Texas at Austin, 1995.

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TEACHING ACTIVITIES AND GRADUATE STUDENT SUPERVISION

The University of Texas at Austin

Courses Taught

Mineral Resources (391) with Peter Flawn
Terrigenous Depositional Systems (383)
Energy Policy Analysis (LBJ School of Public Affairs)
Petroleum Production Geology (391)
Basin Analysis (391)
Sequence Stratigraphy (380N) with Charlie Kerans
Reservoir Geology and Advanced Recovery (383R) with, at different times, with Noel Tyler, Scott Tinker, Jerry Lucia, Steve Ruppel
Natural Resources and the Environment (379K) with Mark Cloos
Introduction to Petroleum Workstations (391) with W. E. Galloway
Orientation to Petroleum Workstations(171C) with W. E. Galloway
Energy and the Environment (302K) with Larry Lake
Sedimentary Rocks (416M)
Sedimentary Rocks for Petroleum Engineers (316P)

Dissertations Supvervised and Co-Supervised

2020 Li Liu, Ph. D., Sediment Provenance and Delivery in the Late Paleozoic Alleghanian-Ouachita-Marathon Foreland Mixed Systemsco-supervised with William Ambrose

2019 Ahmed Alnahwi, Ph. D., Matrix and organic matter paragenesis of the Upper Cretaceous, Eagle Ford Group, South Texas, with respect to Ro co-supervised with Robert Loucks

2013 Masoumeh Kordi, Ph. D. Characterization and prediction of reservoir quality in chlorite grain-coated sandstones: evidence from the Late Cretaceous Lower Tuscaloosa Formation at Cranfield Field, Mississippi, USA. Co-supervised with Susan Hovorka

2007 Monica Pequeno (Ph.D.) Albian/Maastrichtian tectono-stratigraphic evolution of Central Santos Basin, Offshore Brazil (co-supervised with Martin Jackson

2007 Hugo Castellanos (Ph.D.) Sequence stratigraphy and tectonics of the Guantao and Minghuazhen Formations, Zhao Dong field, Bohai Bay, eastern China co-supervised with Paul Mann

2007 Patricia Montoya (Ph. D.) Salt tectonics and sequence-stratigraphic history of minibasins near the Sigsbee Escarpment, Gulf of Mexico (co-supervised with Michael Hudec)

2006 Arturo Contreras (Ph. D.) aVa deterministic and stochastic inversion of 3D partially stacked seismic data and well logs for the spatial delineation, fluid-litho logy characterization, and petrophysical modeling of deepwater hydrocarbon reservoirs in the Central Gulf of Mexico (co-supervised with Carlos Torres-Verdin

2004 Cem Okan Kilic (Ph.D.) Characterization and quantification of middle Miocene reservoirs of Starfak and Tiger Shoal Fields, Offshore Louisiana, using genetic sequence stratigraphy and neural networks

2004 Hongbo Lu (Ph.D.) Global and local controls on depositional cyclicity: Canterbury Basin, New Zealand (co-supervised with Craig Fulthorpe)

2004 Suk-Joo Stephen Choh (Ph.D.) Microfacies and depositional environments of selected Pennsylvanian calcareous algal deposits from southern USA and application of information technology for sedimentary petrology teaching and research

2003 Jorge Barrios-Rivera (Ph.D.) Stratigraphic analyses of reflectivity data, application to gas reservoirs in Burgos Basin, Mexico

2003 Alejandro Escalona (Ph.D.) Regional tectonics, sequence stratigraphy and reservoir properties of Eocene clastic sedimentation, Maracaibo Basin, Venezuela (co-supervised with Paul Mann)

2003 Pedro Tomas Gomez-Cabrera (Ph.D.) Stratigraphic and structural analysis of the Neogene sediments of the offshore portion of the Salina del Istmo Basin, southeastern Mexico (co-supervised with Martin Jackson)

2003 Yong-Joon Park (Ph.D.) Seismic lithology and depositional facies architecture in the Texas Gulf Coast Basin: A link between rock and seismic

2003 Terry L. Ramsey (Ph.D.) Forecasting U.S. Crude Oil Prices from 1945 to 1972

2002 Adrian C. Badescu (Ph.D.) Integrating 3-D seismic imaging, sequence stratigraphy, and reservoir properties to enhance secondary gas recovery of two major Miocene Gulf of Mexico offshore fields

2002 Donna Cathro (Ph.D.) Three-dimensional stratal development of a carbonate-siliciclastic sedimentary regime—northern Carnarvon Basin, Northeast Australia (co-supervised with James Austin)

2002 Claudia Rassi (Ph.D.) Influence of reservoir character and architecture on hydrocarbon distribution and production in the Miocene of Starfak and Tiger Shoal fields, offshore Louisiana

2001 Maria V. Castillo (Ph.D.) Structural analysis of Cenozoic fault systems using 3D seismic data in southern Maracaibo Basin, Venezuela (co-supervised with Paul Mann)

1999 Jianchun Dai (Ph.D.) Integrated reservoir characterization of Sun oil and gas field, South Texas

1999 Jose Ignacio Guzman (Ph.D.) Reservoir systems of the Miocene LaRosa and Lagunillas Formations, Maracaibo Basin, Venezuela

1998 Eugene M. Kim (Ph.D.) Natural gas ultimate recovery growth modeling by plays in the Gulf Coast Basin

1997 Wagner M. Cruz (Ph.D.) Heterogeneity Styles of Albian Grainstones in outcrop and subsurface

1996 Mauro Becker (Ph.D.) Sedimentologic Architecture, Permeability Structure, and Fractal Characteristics of Braided Fluvial Deposits, Cretaceous Açu Formation, Potiguar Basin, Brazil

1994 Mark Barton (Ph.D.) Facies Heterogeneity in Ferron Sandstone

1990 Richard H. Sams (Ph.D.) Carrizo-Reklaw Boundary

1988 Paulo de Tarso Martins Guimares (Ph.D.) Seismic Stratigraphy and Structural Framework of Mosquiero Graben, Brazil

1987 Rodulfo Prieto (Ph.D.) Seismic Stratigraphy and Depositional Systems of the Orinoco Platform Area, Northeastern Venezuela

1981 M. V. Dauzacker (Ph.D.) Basin Analysis of Evaporitic and Post-Evaporitic Depositional Systems, Espirito Santo Basin, Brazil

1974 Edgar H. Guevara-Sanchez (Ph.D.) Pleistocene Facies in the Subsurface of Southwest Texas Coastal Plain

1973 Charan Achalabhuti (Ph.D.) Pleistocene Depositional Systems of Central Texas Coastal Zone

Supervised and Co-Supervised Theses

2019 Sarah Prentice, M. S. EER, The effect of methane and fluid geometry on CO_2 enhanced oil recovery, co-supervised with Susan Hovorka

2019 Josia Timothy Simanjuntak, M. S. EER, Challenges and opportunities for the development of shale gas in Indonesia, co-supervised with Svetlana Ikonnikova

2018 F. C. Palacious Albujar, Stratigraphic Architecture and Incised Valley Systems (Lower Hope Sandstone) of the Upper Pennsylvanian Lower Cisco Group, Southern Eastern Shelf of the Permian Basin, West Texas, Co-supervised with Tucker Hentz

2018 Shenzhou Wang, M. S. EER, Geomechanical andpetrophlysical charactertization of Longmaxi Formation, South Sichuan Basin, China, Co-supervised with Richard Chuch

2017 Can Ceyhan, M. S., Interplay of structural deformation and submarine channel evolution in Campos Basin Offshore Brazil, co-supervised with Jacob Covault

2017 Enrique Arce, M. S. EER Neogene current-modified submarine fans and associated bed forms in Mexican deep-water areas, Co-supervised with John Snedden

2016 Hanyue Zheng , M. S., Sedimentology and reservoir characterization of the Upper Pennslvanian Cline Shale, Midland Basin, Texas, co-supervised with Qilong Fu

2016 Luciano V. Correa, M. S. Developing an optimization model for a cap and trade system to control methane emissionsin the oil andnatural gas industry: Application to the Permian Basin

2016 Kullamard Kroeworranunee, M. S.. Sequence stratigraphy and depositonal systems in the Upper Cretaceous (Cenomanian) Woodbine Group, Anderson and Cherokee Counties, Texas, co-supervised with William Ambrose

2016 Oguzhan Ayhan , M. S., Depositional environment distribution, diagenesis and reservoir quality of the middle Bakken Member of the North Dakota portion of the Williston Basin co-supervised with Ursula Hammes

2016 Rebecca Jones, M. S., A mixed tidal-fluvia lcoastline at the marine-continental transition:The Anchor Mine Tongue and Upper Sego equivalent strata near Rangely,Colorado,

2016 Timothy J. Prather, M. S., The combined effectsofriver-flood andtidal processes on the stratigrapjhy , ichnology,and stratal architecture of the Cretaceous (Campanian) Loyd Delta near Rangely, CO, co-supervised with Peter Flaig

2016 Beomrak Lee, M. S. EER, Analysis of oilspill strategies in the Canadian Beaufort Sea

2016 Kyle Gabb, M. S., A facies-scale chemo-lithostratigraphic composite profile of Del Rio Claystone through Austin Chalk deposition, Late Cretaceous, Central Texas, USA, co-supervised with Harry Rowe

2016 Michael Jones, M. S., (EER) Feasibility and implications of geothermal energy production through existing geopressured gas well in Texas: Merging conceptual understanding of hydrocarbon productlon and geothermal systems

2016 Diego E. Sierra, M. S. (EER) Developing a Vaca Muerta Shale Play: An economic assessment approach , co-supervised with Sveltana Ikonnikova

2015 Fatma Kubra Arisoy, M.S., Multicomponent seismic characterization and image comparison, Fasken Ranch, Andrews County, Texas, co-supervised with Bob Hardage

2015 Angela Kelechi Eluwa, M. A. (EER) Depostioanal system analysis of lower Miocene interval in Refugio County, Texas, western Gulf of Mexico Basin, co-supervised with David Mohrig

2015 Rita B. Nehme, M. S. Geochemistry and high resolution chemostratigraphy of the Haynesville Formation, East Texas, co-supervised with Harry Rowe

2015 Serkan Kabakci, M. S., Multicomponent-seisismic characterization of Utica Sahle, co-supervised with Bob Hardage

2015 Enes Taha Armutlu, M. S. .A model to determine effective electrical resistivity of shale gas SEM images, co-supervised with Farzam Javadpour

2015 Logan Tussey, M. S. Depositional environment, sequence stratigraphy; and reservoir quality of the Tonkawa Sandstone in the western Anadarko Basin, Hemphill, Liscomb and Roberts Counties, Texas, co-supervised with Bill Ambrose

2015 Stevenson Bunn, M. S., Toward an accurate reservoir model of heterolithic, tidally-influenced deposits: An outcrop-to-subsurface 3D modeling co-supervised with Lesli Wood

2015 Allison Pace , M. S., Contribution of additional sediment introduced to basins during valley incision and valley preservation controls in stratigraphy, co-supervised with David Mohrig

2015 Zachorias Petrou , M. S.,Water-energy nexus: Case study Marcellus shale gas play, co-supervised Sveltana Ikonnikova

2015 Simen Okumus, M. S. (EER) Impacts of US LNG Exports on Supply Security of EU Natural Gas Market, co- supervised with Larry Lake

2014 John D. Pierce (M. S.) U-PB geochronology of the Late Cretaceous Eagle Ford Shale, Texas: Defining chronostratigraphic boundaries and volcanic ash source, co-supervised with Stephen Ruppel

2014 Gabriel Aguilar, M. S. (EER) XRF Elemental and mineralogical analysis of core samples and well cuttings in Granite Wash area, Wheeler County, Texas, co-supervised with Harry Rowe

2014 Xufeng Liu, M. S. Geologic setting and reservoir characteration of Barnett Shale in southeast Fort Worth Basin, Central Texas (co-supervised with Robert Loucks)

2014 Stephen Hester, M. S. (EER) Economics and engineering of enhanced oil recovery potential in Canada

2013 Batur Isdiken, M.S. Intergrated geological and perophysical investigations on carbonate rocks in the middle Early to Late Canyon high frequency sequence in the northern platform area of the SACROC unit, co-supervised Carlos Torres-Verdin

2013 Jeanne L. Eckhart, M. S. (EER) Water use for the oil and gas industry: A comparison analysis in Texas, Co-supervised by J. P. Nicot

2013 Forest Roberts, M. S., Identifying and mapping clay-rich intervals in the Fayetteville Shale: Influence on natural gas production intervals, co-supervised with Scott Tinker

2013 Gordon Smith, M. S., Fault and fracture systems related to reactivation of pre-existing structural elements, Devils River Uplift and Maverick Basin, Texas, co-supervised with Chris Zahm

2013 Juan Camilo Rodrigues M. S. (EER) Challenges and opportunities for development of gas operations in Colombia

2013 Megan P. Leseberg , M. S. (EER) Fresh water reduction technologies and strategies for hydraulic fracturing: Case study of the Eagle Ford Shale Play, Texas, co-supervised with Jean-Philippe Nicot

2013 Jinyu Zhang (EER) Sequence stratigraphic and depositional framework of wave-influenced deltaic systems in the Lower and Middle Frio Formation, Redfish Bay, Corpus Christi, Texas (co-supervised with William Ambrose)

2013 Hyukjoong Yi (EER) Analysis of potential impacts of shale gas development

2012 Merve Dokur (M. S.), Reservoir characterization of the Upper Cretaceous Woodbine Group in northeast East Texas Field, Texas, co-supervised with Tucker Hentz

2012 Michael D. Fairbanks (M.S.) High resolution stratigraphy and facies architecture of the Upper Cretaceous (Cenomanian-Turonian) Eagle Ford Group, central Texas: co-supervised with Steve Ruppel

2011 Ryan Harbor (M.S.) Facies characterization and stratigraphic architecture of organic-rich mudrocks, Upper Cretaceous Eagle Ford Formation, south Texas, co-supervised with Steve Ruppel

2011 Renas Ismael Mohammed (Renas I. Koshnaw) (M.S.) Distribution and development of Middle Miocene submarine fans, Taranaki Basin, New Zealand

2011 Saya Ahmed (M. A.) Can Iraq avoid the oil curse?

2011 Rattanaporn Fong-Ngern (M.S.) Miocene-Anahuac sequence stratigraphy of Carancahua

2010 Sarika Kala Ramnarine (M. S. EER) late Cretaceous turbidites, Heidrum Field, Norwegian continental shelf, co-supervised with Lorena Moscardelli

2010 Lin Chang (M. A.) Integration of facies models in reservoirs

2010 Kadira Singh (M. S) Geology and nature of modern and ancient mass transport deposits, co- supervised with Lesli Wood

2009 Gustavo Toboada (M. S.) Eocene Stratigraphy of the Orinoco Platform, eastern Venezuela

2009 Paola A. Cardona Mora (M. S.) Subsidence rates related to tectonic setting: Evolution of the Taranaki Basin, New Zealand, co-supervised with Brian Horton

2009 Thomas D. Lovitz. (M.S), Geomorphology and stratigraphic evolution of the Giant Foresets, Taranaki Basin, New Zealand, co-supervised with Lesli Wood

2009 Walaa Ali (M. A.) EER Fracture shale reservoirs, Delaware Basin; co-supervised with Julia Gale

2009 Stanley Stackhouse (M. S.) Late Pleistocene New Jersey Shelf sedimentation as a response to glacio-eustatic sea level rise, co-supervised with John Goff

2009 Michael Voss (Plan II senior thesis) Is oil-rich Brazil immune from the natural resource curse?

2008 Nishanth Kalyanararman (M. A., EER) Sequestration of carbon dioxide, co-supervised with Timothy Meckel

2008 Migdalys Salazar (M. S.), Seismic and stratigraphic interpretation of the Morichito Subbasin, Eastern Venezuelan Basin (co-supervised with Lorena Moscardelli)

2008 Rodolfo Hernandez (M. S.) Seismic inversion, co-supervised with Carlos Torres-Verdin

2007 Terence Campbell (M. S.), Integrating seismic geomorphology into improved reservoir models of shelf-margin deltas, Corallita/Latana Fields, Trindad, co-supervised with Lesli Wood

2007 M. David Soto (M. S.) Structural and basinal architecture and active strike-slip faulting of the eastern offshore Area of Trinidad, based on an integration of 2D and 3D seismic reflection data co-supervised with Paul Mann

2007 Chad Weisenberg (M. S.) Salt tectonics and sedimentation of offshore EssaouiraBasin, Morocco, co-supervised with Lesli Wood

2007 Rosalba Mendoza (M.S.) The architecture of lower-slope channel complexes, Offshore Gabon, West Africa

2006 Jaime Hernandez (M. S.) Analyzing deep-water near seafloor geology with Chirp Sonar

sub- bottom profiles: Green Canyon, Gulf of Mexico

2006 German Diego Merletti (M.S.) Extrapolation of elastic and petrophysical properties from wells using 3D prestack seismic amplitude data

2006 Dax McDavid (M. A.) Redevelopment opportunities for South Weslaco Field, Hidalgo County, Texas

2006 Luis Crespo (M.A.) Structural and sequence stratigraphic architecture of the Red Fish Bay Field, Texas

2006 Diego van Berkel (M.S.) Stratigraphic relationships between the Weber Sandstone and the Maroon Formation in the Rangley Field, northwestern Colorado, U. S. A. (co-supervised with Kitty Milliken)

2005 Tallah Tamia Shahab (M. A.) Compressed natural gas marine transport technology as an alternative for natural gas transportation: Case study in eastern Indonesia

2005 Petro K. Papazis (M.S.) Petrologic characterization of processes controlling fracture evolution in the Barnett Shale and their financial implications, Ft. Worth Basin, Texas, co-supervised with Kitty Milliken

2005 Martha Serrano-Perez (M. S.) Integration of geological and petrophysical data in reservoir characterization of Pennsylvanian Morrow "C-sand" in Wilburton Field, Morton County, Kansas

2005 Coleman D. Lewis (M.A.) 2005 Potentiality and future production analyses of coalbed methane

2005 Brian T. Moore (M. S.) Sequence stratigraphic framework and systems tract analysis of Lower Miocene shelfal clastic deposits: Redfish Bay area, Texas Gulf Coast (Co-supervised with Robert Loucks)

2005 Connie Lin (M. A.) EMR Libya: A second opportunity for the oil and gas industry

2004 Jesse B. Kimball (M.A.) The reality and unreality of oil reserves, peak production, and prices

2004 Kristine Lynn Mize (M.S.) Controls on the morphology and development of deep-marine channels, eastern offshore Trinidad and Venezuela (co-supervised with Lesli Wood)

2004 Ngozi Joyce Ogoke (M.A.) Economics, risks, contracts, safety and security of LNG projects (EMR) (co-supervised with Willem van Rensburg)

2004 Carla Arzabe (M.A.) An analysis of alternative fuels (EMR)

2004 Bryan P. Sams (M.A.) A technical and economic evaluation of CO2 disposal from coal-fired power plants (EMR)

2004 Tony J. Troutman (M.S.) Reservoir characterization, paleogeomorphology, and genesis of the Mississippian Redwall Limestone paleokarst, Hualapai Indian Reservation, Grand Canyon area, Arizona (co-supervised with Charles Kerans)

2003 Matthew A. Campbell (M.S.) Development of the Los Chivos Platform, a Paleocene carbonate buildup in a siliciclastic dominated salt basin, La Popa Basin, northeast Mexico (co-supervised and completed for Robert K. Goldhammer, deceased)

2003 Shanty Ilona (M.S.) Structure and stratigraphy; of the KRA Field, West Natuna Basin, Indonesia

2003 Martha Jaimes Carvajal (M.S.) Paleogene to Recent tectonic and paleogeographic evolution of the Cariaco Basin, Venezuela (co-supervised with Paul Mann)

2003 Mochammad Fachmi (M.S.) Quantitative seismic geomorphology, Gabus and Belanak Fields, West Natuna Basin, Indonesia (co-supervised with Lesli Wood)

2003 Songul Yildiz (M.S.) Plio-Pleistocene sequence stratigraphy, Matagorda Bay, Texas (co-supervised with Robert Loucks)

2003 Jose Delgado (M.S.) Stratigraphic evolution and facies analysis in a Paleocene Reef Mound, La Popa Basin, Northeast Mexico (completed for Robert K. Goldhammer, deceased)

2003 Yong-Joon Park (Ph.D.) Seismic lithology and depositional facies architecture in the Texas Gulf Coast Basin: A link between rock and seismic

2003 Christopher L. Edwards (M.S.) Reservoir characterization, Mustang Island Block, Offshore Gulf of Mexico

2003 Alfred D. Gomez (M.S.) Core study and sequence stratigraphic analysis of the Desmoinesian Barker Creek Zone, Table Mesa and Rattlesnake Fields, San Juan County, NM (co-supervised with Richard Buffler)

2002 Budiyono (M.S.) Forel field reservoir characterization in southwest Natuma Sea, Indonesia

2002 Robert Koch (M.S.) Reservoir characterization of southeast Bradley Springer unit, Grady and Garvin Counties, Oklahoma

2002 Patricia Montoya (M.S.) Seismic detection of fractures, eastern Venezuela

2002 Rinie M. Mekarsari (M.S.) Seismic stratigraphy of the Green Canyon area, Gulf of Mexico

2002 Hasan Sarikaya (M.S.) Forward seismic modeling of a tidal bar-incised valley complex: Sego Sandstone, Eastern Utah

2001 Jason W. Rush (M.S.) Sequence stratigraphy, Walnut Canyon, Guadalupe Mountains, Texas and New Mexico (co-supervised with Charles Kerans)

2001 Russell R. Hamman (M.S.) Sequence stratigraphy and stacking patterns, Woodbine Sandstone, East Texas

2001 Fernando Cerda (M.S.) Estimation of elastic parameters from seismic data, Teal South field, Gulf of Mexico

2001 Marel A. Sanchez (M.S.) Basin analysis of offshore eastern Venezuela

2000 Michael H. Bradley (M.S.) Sequence stratigraphy of South Timbalier field, Gulf of Mexico

2000 Josefa Carbon (M.S.) Stratigraphy of the Zuata Area in central Orinoco Oil Belt, Eastern Venezuela

2000 Jaime Orlando Castillo (M.S.) Guadalupe Formation, Cusiana field, Llanos foothills of Colombia: a sandstone-dominated unit deposited in a shelf system with tidal current influence

2000 Carlos Finlay Paz (M.S.) Seismic interpretation of shore zone–inner shelf deposits in Corpus Christi Bay, South Texas

2000 Wade D. Hutchings (M.S.) Delaware Mountain Group, Delaware Basin: application of stacking patterns in sequence stratigraphy

2000

2000 Elsa Jaimes (M.A.) Multicomponent seismology: basic concepts and applications

2000 Adriano Lobo Alvarez (M.A.) Fractured reservoirs: concepts and case studies

2000 Sunday Shepherd (M.S.) Reservoir characterization of the Northeast Hardesty field, Texas County, Oklahoma

1999 Bruno Courme (M.S.) Forward seismic modeling of a shelf-to-slope carbonate depositional setting from outcrop data, Abo Formation of Apache Canyon, West Texas, and comparison to its subsurface equivalent, Kingdom Abo field, Midland Basin (co-supervised with Charles Kerans)

1999 Yong-Joon Park (M.S.) Seismic stratigraphic analysis of alluvial channels, Tertiary, Pattani Basin, Gulf of Thailand

1999 Ceniz T. Vur (M.A., with report) Interpretation of the Oracle database management system in a geological workstation

1999 Fatma Akyurek (M.S.) Petrophysical and geological characterization of dolomitized carbonate ramp reservoirs: Seminole San Andres Unit Well 5309, Gaines County, West Texas

1998 Gundogan Coskun (M.S.) Seismic stratigraphic analysis of the northern part of the Pattani Basin, Gulf of Thailand

1998 Cem O. Kilic (M.S.) Applying artificial neutral network technology in reservoir characterization studies

1998 Eduardo E. Ariza (M.S.) Reservoir characterization of Lower Clearfork Dolomites in the South

1995 Ramon Gomez (M.A.) Eocene Reservoirs, South-Central Maracaibo, Venezuela

1992 Julian Castro (M.A.) Reservoir characterization and modeling of deep-water sandstone reservoirs of the Bell Canyon Formation, Waha field, Delaware Basin, West Texas

1991 Thomas Cogswell (M.A.) Depositional and Diagenetic Controls in Production in Frio (Oligocene) Sands at Monte Cristo Field, Hidalgo County, Texas

1990 Jesus A. Maguregui (M.A.) Evolution and reservoir rock properties of Middle Eocene tide-dominated celtaic sandstones in easter Lagunillas Field, Maracaibo Basin, Venezuela, co-supervised with Noel Tyler

1984 Jefferson Agra (M.A.) Depositional and Diagenetic Aspects of the Namorado Sandstone, Namorado Field, Campos Basin, Brazil

1982 Darci J. Sarzenski (M.A.) Reservoir Geology of the Miranga Sandstone, Miranga Field,

1975 Olusegun K. Agagu (M.A.) Depositional Characteristics of the Frio Formation, Subsurface, South Texas

1973 Charles A. Caughey (M.A.) Paluxy Formation (Lower Cretaceous) of Northeast Texas: Depositional Systems and Distribution of Groundwater, Oil, and Gas Resources

1973 L. Edwin Garner (M.A.) Environmental Geology of the Austin Area, Texas

1972 Edgar H. Guevara-Sanchez (M.A.) Depositional Systems of the Queen City Formation (Eocene), Central and East Texas

1970 William B. Oliver (M. A.) Depositional Systems of the Woodbine Formation (Upper Cretaceous), Northeast Texas

1968 William E. Galloway (M.A.) Depositional History of Wilcox Group, East-Central Louisiana

Completed Graduate Committees Served On as Member

Enzo Aconcha, 2007 (M. S.)
Abdulkarim M. Alhussani, 2018, M. S/
Engin Alkan (Ph. D.) 2012
Younis K. Altobi , 2006 (Ph.D.)
Patrick Abbott, 1973 (Ph.D.)
Patrick Abbott, 1966 (M.A.)
Eric C. Anderson 2013 (M.S.)
Carlos Alberto Amaya, 1996 (M.S.)
Mario Aranda-Garcia, 1999 (M.S.)
Jennifer Ashcroft 2008 (PhD)
Terry J. Barron, 1980 (M.A.)
Jennifer Beal, 1999 (M.S.)
Juan C. Bermudez 2002 (Ph.D.)
Mary E. Bezara, 2007, (M. A.) EER
Stuart Blackwood, 2006 (M.S.)
Becky L. Bollinger, 1984 (M.A.)
Joseph Brewton, 1970 (M.A.)
Graeme R. Bullen, 1995 (M.A.)
Robert Burger (Ph.D.)
Edward Lee Calaway, 1983 (M.A.)
Terrence Campbell 2012 (Ph.D.)
Sebastian Cardona (M. S.) 20l5)
Cristian Carvajal 2007 (Ph.D.)
Nysha Chaderton, 2006, (M.S.)
Nysha Chaderton 2009 (Ph. D.)
C. Austin Clayton 2017(M. S)
Arthur Cleaves, 1975 (Ph.D.)
Ricardo Combellas, 2003 (Ph.D.)
David Contreras 2008 (M. S.)
Doyne Cooper, 1964 (M.A.)
Anmar Davila 2010 (M. S.)
Matthew Davis, 2005 (M.S.)
Feliz A. Diaz, 1998 (M.A.)
Joshua F. Dixon 2013 (Ph.D.)
Natchanan Dougnkaew 2016 (M. S.)
Catherine L. Duncan 2002 (Ph.D.)
Dallas Dunlap 2013 (M.S.)
Tarek A. S. ElShayeb, 2005 (Ph.D.)
Daniel Enriquez (M.S. EER) 2017

Suzan Ergene, 2014, (M. S.)
Allan Erxleben, 1974 (M.A.)
Laura Faulkenberry (Ph.D)
Mulugeta Fesha 2002 (Ph.D.)
Lucas Fidler 2011 (M. S.)
Manuel Figueiredo, 1981 (Ph.D.)
Robert Forkner 2007 (Ph.D.)
Michel A. Fox, 1984 (M.A.)
Kathryn Fry, 2015 (M. S.)
Ozen Gurbuz, 2015 (M. S.)
Qinjian Jin (Ph. D.) (Examining, 2013)
Vishal Majaraj, 2008 (M. S.)
Antonio Moreno Funes (M.A.) EMR
Edmund L. Frost, 2007 (Ph.D.)
William E. Galloway, 1971 (Ph.D.)
Emilio Garciacaro, 2006 (M.S.)
Javier Garcia 2002 (M.S.)
Ramon J. G. Garcia, 1995 (M.A.)
Roberto Garcia, 1972 (M.A.)
Terra J. George 2008 (M. S.)
Armando A. Guillen (M.A.) EMR
Carolina Gomez (M. S.) 2011
H. Scott Hamlin, 2000 (Ph.D.)
Yawen He (Ph. D.) 2017
Tiffany Hedayati, 2008 (M. S.)
Samuel Heibert 2013 (M.S.)
Dana Helbert 2009 (M.S.)
Christopher K. Hendricks 2016 (M. S.)
Jose Hernandez G. (M.S.)
Seven W. Hodgkins (M.A.)
Reuven Hollo, 1995 (Ph.D.)
Carl Grote (M.S. EER)
Ningjie Hu 2016 (M. S.)
Jessica Huddock 2013)M. S.
Georgia Huggins 2007 (M. S.)
Ozge Karaman 2012 (M. S.)
Senira Kattah, 1999 (Ph.D.)
Jeremy Kimball (M. S.) EER M. S.)
Travis Kloss 2011(M. S.)
Lucy (Ting Wei) Ko (Ph. D.) 2017
Takonporn Kunpitaktakun (M.S.) 2017
Pedro Leon, 1998 (M.S.)
John Z. Li (M. S.)2017
Jonathan Ly 2017 (EER) 2017
Rafael De Azevedo Lima (EER)
Xinggang “Chris” Liu 2016 (M.S. EER)

Julie Maher, 2007 (M. S.)
Vishal Majaraj (Ph.D.) 2012
Sindu Maiyya 2016(M. S. EER)
Samaaria Malik, 2005 (M. A.), EMR
Sarah Shahbano Malik, 2004 (M.A.) EMR
Jorge Marchan Campos , 1999 (M.S.)
Damian Markez 2013 (M. S.)
Marem G. Mathisen, 2014, (M.S.)
Justin V. Mauck 2017 (M.S.)
James D. McConnell, 1980 (M.B.A.)
Joseph Hobbs McGowen, 1969 (Ph.D.)
Kyle McKenzie 2016 (M.S.)
Daniel L. Mendez, 2001 (M.A.)
Joseph Mehring, 2005,(M.S.)
German Diego Merletti (Ph.D.) 2017
Paulo Vicente Alves Milanez, 1984 (M.A.)
Lauren K. Mercado 2016(M.S. EER)
Sara Milewski, 2007 (M.S.)
Thomas E. Miskelley, 2001 (M.S.)
Ian Moede, 201 8 (M.S.)
Julymar Morantes, 2003 (M.S.)
Jessica Morgan 2009 (M. S.)
Lorena Moscardelli , 2006, (Ph.D.)
Jorge Enrique Nieto, 1995 (M.A.)
Antonio Sergio T. Netto, 1974 (M.A.)
Michael Nieto 2016 (M. S.)
Sylvia Nordfjord, 2005 (Ph.D.)
Prisca C. Ogbuabuo (M.S) EER (2015)
Ariana Osman, 2006 (M. S.)
Ronald Oribio Quintana, 1997 (M.S.)
Mark M. Oliver 2016 (M. S. EER)
Canalp Ozkul, 2014 (M.S.)
John A. Parker 2013 (M. S.)
Junwen Peng 2021 (Ph.D.)
Andrew Petter, 2005 (M.S.)
Andrew Petter, 2010 (Ph.D.)
Wagner Peres, 1990 (Ph.D.)
Fernando Apango Perez 2014 (EER)
Edgar Pinzon, 2007 (M. S.)
Ryan Phelps, 2006 (M.S.
Ryan Phelps, 2010 (Ph.D.)
Paolo Piazzesi, 2016, M. S. EER)
Ozcan Polat (M.S.) 2012
Paolo Puccini 2009 (Plan II thesis)
Laura Pommer (M.S.) 2013
Maria Isabel Preito (Ph. D.)

Valentina M. Rossi 2016 (Ph. D.)
Kristie Rahmal 2013 (M. S.)
Lauren Redmond 2016 (M. S.)
Brian C. Reinsborough, 1993, (MA)
Jose Ulises Ricoy Salderma, 1987 (Ph.D.)
Meera Ramoutar 2008 (M. S.) EER
Luciana de la Rocha Bascon 2016 (M. S.)
Luis O. Rodriguez, 1999 (Ph.D.
Anthony Rodriquez, 2011 (M. S.)
Valentina M. Rossi 2016 (Ph. D.)
Steve Royer, 1998 (M.S.)
Izaak Ruiz, 2019 (M.S.)
Cari E. Sadler 2010 (M. S)
Migdalys Salazar (Ph. D.) (2014)
Carla Sanchez, 2006 (M.S.)
Manasij Santra 2012 (Ph. D.)
Patricio Sanchez, 2007 (M.A.) EER
James Schulz M. S. (EER) (2015)
Carlton R. Schwab, 1983 (M.A.)
Samuel Scott 2007 (M.S)
Nazim O. Sipahioglu, 2000 (M.S.)
Raul Solis F., 1980 (Ph.D.)
Rogerio Schiffer Souza, 1999 (Ph.D.)
Jeffery Sitgreaves 2015, (M. S.)
Peter Soto-Kerans (M.S.) 2017
Laurence J. Strauss, 1988 (M.A.)
Sean Sullivan (M.S.)
Kossouth Synder, 2004 (Ph.D, PGE)
Dennis Sylvia 2002 (Ph.D.)
Nathan Tinker 2016 (M.S.)
Adenike Tokan-Laval (M. S.)
Leonor Tovar-Guillen (M. A.) EMR (2015)
Pedro Wilson Teixeira, 1984 (M.A.)
Barbara Tiliston , 2003, (M.S.)
Eric Tutijer, 2003 (M.S.)
Everett Upshaw, 1991 (Ph. D.) History
Carlos Uroza 2008 (Ph.D)
Judson Bryan Walker , 2003 (M.S.)
Larry L. Walker, 2004 (M.A.) EMR
Rene Winter, 2006 (M. S.)
David Wymond, 2011 (M. A.) EER
Quicheng Ye, 1997 (Ph.D.)
Meghan Ward, 2006, (M.S.)
Kurtus Woolf (Ph. D.) 2012
Eric Wright (2016 (M.S.)
Xinxia Wu, 2004 (Ph.D.)

Yu Ye, 2014 (M.S.)
Bingjie Zhang, 2018 (M. S.) EER
Helena Zirczy, 2000 (M.S.)

Post-Graduate Researchers (Petrobras Research and Training Program)

Alberto Roque Eidt Sad (1978-79)
Andre E. Matos (2010)
Celso Fernando Lucchesi (1982)
Cleyton S. Baumgarten (1974)
Emilison Soares (2010)
Ercilo Gama (1972-73)
Flavio Juarez Feijo (1982)
Francisco Reinaldo T. Lima (1980)
Gerson Jose Faria Fernandes (1981)
Giberto Germany Herter (1982)
Guilherme de Oliviera Estrella (1975)
Helio Roncarati (1973)
Henrique Della Piazza (1974)
Hildeberto Alejandro Ojeda y Ojeda (1972-73)
Jose Aryton Estrela Braga (1975)
Jose Costa Viera (1982)
Jose Eduardo Ferrer Pinheiro(2010)
Kaoru Tsubone (1976)
Makoto Saito (1975)
Mauro Barbosa de Araujo (1979)
Murilo Marroquim de Souza (1979-80)
Roberto Gamarra Morales (1974)
Ruben Lahyr Schneider (1979)
Saulo Ferreira Santos (2010)
Seirin Shimabukuro (1982)
Victor Dauzacker (1974)
Vander Ferreira de Andrade (2010)
Wellington R. E. Borges (2010)
Zenobio Viera Mattos (1981)

SPECIAL LECTURING AND SHORT COURSES

AAPG Distinguished Lecturer (1978-1979)

Subject: Exploration Science and Public Policy: Conflicts in the Making

Dallas Geological Society
Farmington Geological Society
Illinois Geological Society
Indiana-Kentucky Geological Society
New Orleans Geological Society
Rocky Mountain Association of Geologists
Roswell Geological Society
South Texas Geological Society

Lafayette Geological Society
Midland Basin Geophysical Society
The University of Texas at Austin
Tulsa Geological Society

AAPG Distinguished Lecturer (1969-1970)

Subject: Delta Systems in Mineral Exploration

Alabama Geological Society
Alaskan Geological Society
Alberta Society of Petroleum Geologists
Arizona State University
Colorado School of Mines
Corpus Christi Geological Society
Edmonton Geological Society
Four Corners Geological Society
Houston Geological Society
Kentucky Geological Society
Lafayette Geological Society
Lehigh University
Liberal (Kansas) Geological Society
Logan Club, Canadian Geological Society
Louisiana State University
Montana Geological Society
Nebraska Geological Society
University of Nebraska
Northern Illinois University
Ohio State University
Oklahoma Geological Society
University of Oregon
Panhandle Geological Society
Pittsburgh Geological Society
Rocky Mountain Geological Society
University of South Dakota
South Texas Geological Society
Sul Ross University
Syracuse University
West Texas Geological Society
Wyoming Geological Society

BEG Research Colloquia

Subjects: Depositional Systems in Mineral Exploration, Environmental Geology, and Seismic Stratigraphy

Corpus Christi Geological Society
Houston Geological Society
Lafayette Geological Society
New Orleans Geological Society
Permian Basin Graduate Center
Royal Norwegian Research Council
Shreveport Geological Society
South Texas Geological Society
Southern Illinois University
The University of Texas at Austin
West Texas Geological Society,
Wyoming Geological Society

AAPG Continuing Education Courses

Subjects: Depositional Systems in Mineral Exploration, Environmental Geology, and Seismic Stratigraphy

AAPG Seismic Stratigraphy School (London)
AMOCO (Europe)
LVO
Los Angeles Basin Geological

Society
Alberta Geological Society
American Association of Petroleum Geologists National Meeting, Oklahoma City
Billings Geological Society
California Texas Oil Corporation
Canadian Society of Petroleum Geologists
Cities Service Oil Company
Continental Oil Company
Dallas Geological Society
Esso Production and Research Company
Gulf Minerals
Houston Geological Society
Humble Oil and Refining Company
INTEVEP, Caracas
Indian Oil and Natural Gas Commission
Mobil Oil Company
Oklahoma City Geological Society
Pennzoil Company
Permian Basin Geological Society
Petrobras
Phillips Petroleum Company
Placid Oil Company
Rocky Mountain Geological Society
Sohio Oil Company
Tenneco Oil Company
Texaco
Texas Pacific Oil Company
YPF (Argentina)

PROFESSIONAL CONSULTATIONS

AMOCO Europe
Aquila Energy
ARCO
Bracewell & Patterson
California Texas Oil Company
Capitol Corporation
China National Oil Company
China Offshore Oil Company
China Oil Field Services, Ltd.
Cities Service Oil Company
Conoco, Inc.
Continental Oil Company
Diamond-Shamrock Inc.
EXXON USA Company
Esso Production Research Company
Fina Oil Company
Gas Research Institute
Gulf Minerals Company
Humble Oil & Refining Company
Indian Oil and Natural Gas Commission
INTEVEP, S.A.

Lagoven, S.A.
LVO
Mobil Oil Company
Pennzoil Oil Company
Permian Basin Graduate Center
Petroleo Brasileiro (Petrobras)
Petrobras Mineracao, S.A. (Petromin)
Petroleos de Venezuela (PdVSA)
Phillips Oil Company
Placid Oil Company
Pogo Producing Company
Research Institute Petroleum Exploration and Development (PRC)
Royal Norwegian Research Council
Shell Oil Company
OHIO Oil Company
Sinopec
Tenneco Oil Company
Texaco, Inc.
Texas Pacific Oil Company
Washington Policy and Analysis Inc.
YPF (Argentina)
UIT

INVITED PUBLIC LECTURES AND ADDRESSES

2018

Deep water depositional systems supplied by shelf-incising submarine canyons: Recognition and significance in the geologic record: Soft Rock Seminar, Department of Geological Sciences, University of Texas at Austin

2017

Paradigm shifts in geosciences: Role of the Gulf Coast Basin, All Convention Luncheon Address, Gulf Coast Association of Geological Societies, Annual Meeting, San Antonio

From peak oil production to peak oil demand: Projections all over the place, presented to ExxonMobil Fellows, Energy Institute, University of Texas at Austin

2015

Commencement Remarks, on occasion of receiving Doctor of Science, Honoris Causa, Flinders University, Adelaide, SA, Australia

The American Revolution in unconventional oil and gas continues, Public Lecture, Flinders University, Adelaide, SA, Australia

Global energy policy and long-term energy trends: presented to China National Offshore Oil Corporation, Exectuve Training Program, McCombs School of Business, Austin

Water use in unconventional oil and gas in the USA: Lessons learned: Invited international keynote address, Australian Academy of Technological Science and Engineering Conference on Unconventional Gas, Sydney

Unconventional shale oil and gas: Experiences in the USA: Presented to Australian Academy of Technological Science and Technology Unconventional Gas Public Forum, University of New South Wales, Kensington, NSW

2014

Long term energy trends and future projections and main areas of global exploration: presented to China National Offshore Oil Corporation Overseas Managers, Executive Training Program, McCombs School of Business, Austin

Long term energy trends and future projections and main areas of global exploration: presented to China National Offshore Oil Corporation Planning Group, Executive Training Program, McCombs School of Business, Austin

2013

The emerging commonalities of higher education in energy states (Texas and Brazil): Presented to Coloquio o future da educacao superior no Brasil e Nos EUA; Comissao de Educacao,Cultura e Esporte do Senadado Federal do Brazil, Brasilia

The emerging revolution in American energy: presented to Town & Gown, Austin, Texas

Early history of the Board on Earth Sciences and Resources (BESR) and the U. S. energy revolution, Conference noting 25th anniversary of the Board, National Research Council/The National Academies, Washington, D. C.

Frontiers in sedimentology and petroleum geology, with some reminiscing: presented to Symposium on New Frontiers in Sedimentology and Petroleum Geology, on the launching of the Robert J. Weimer Distinguished Chair in Sedimentology and Petroleum Geology, Golden, CO

The great American energy revolution and what it means to you: presented to Jackson School of Geosciences, Undergraduate Geological Society, Austin, Texas

Long term energy trends and future projections and The American experience in shale oil and gas: presented to Sinopec Executive Training Program and CNOOC Executive Training Program McCombs School of Business, Austin, Texas

Long term energy trends and future projections and Deep Water Oil and Gas Resources: presented to China Oil Field Services, Ltd. Executive Training Program, McCombs School of Business, Austin

Long term global energy trends: presented to Petrobras Executive Training Group, McCombs School of Business, Austin

Global oil resources and production capability: presented to Petrobras Executive Training Group, McCombs School of Business, Austin, Texas

Global natural gas resources and production capability: presented to Petrobras Executive Training Group, Mccombs School of Business, Austin, Texas

Nonconventional oil and natural gas: presented to Petrobras Executive Training Group, McCombs School of Business, Austin,Texas

Coal, nuclear and renewable energy resources: presented to Petrobras Executive Training Group, McCombs School of Business, Austin, Texas

Fossil fuels and global climate change: presented to Petrobras Executive Training Group, Mcombs School of Business, Austin, Texas

2012

The U. S. experience with nonconventional oil and gas: presented to Coal Seam Gas Conference, Centre for Groundwater Research and Training and Australian Water Association: Sidney, Melbourne and Brisbane

Policy technology perspectives, The changing outlook for U. S. energy: Will shale gas transform America's energy future: Washington Conference and Technology Workshop, hosted by the Howard Baker Forum and Lawrence Livermore National Laboratory, Washington, D. C.

Energy Futures and the coming U. S./North American Energy Revolution: presented to UT SAGE, University of Texas at Austin, Austin, Texas

The great American energy revolution: presented to 2012 East Texas Geological Society Tech & Prospect Expo, Tyler, Texas

Long term global energy trends: presented to Petrobras Executive Training Group, Austin

Global oil resources and production capability: presented to Petrobras Executive Training Group, Austin, Texas

Global natural gas resources and production capability: presented to Petrobras Executive Training Group, Austin, Texas

Nonconventional oil and natural gas: presented to Petrobras Executive Training Group, Austin,Texas

Other energy resources: presented to Petrobras Executive Training Group, Austin, Texas

Fossil fuels and global climate change: presented to Petrobras Executive Training Group, Austin, Texas

2011

Energy futures: presented to 30th Honors Colloquium, University of Texas at Austin

Deep and ultra-deep water oil and gas exploration: role in present and future global energy supply,

Presented to Latin American Forum, Jackson School of Geosciences, Cartagena, Colombia

The future of natural gas: American Association of Petroleum Geologists, Annual meeting, Houston

Historical and projected energy trends: where are we now?: SIPES Austin Chapter, Austin

Commentator: Oil and biofuel development in Brazil, on the occasion of an address by Rubens

Mello to Theresa Lozano Long Institute of Latin American Studies, Energy Security in the

Americas, Rostros de las Americas, University of Texas at Austin

Long term global energy trends: presented to Petrobras Executive Training Group, Austin

Global oil resources and production capability: presented to Petrobras Executive Training Group, Austin, Texas

Global natural gas resources and production capability: presented to Petrobras Executive Training Group, Austin, Texas

Nonconventional oil and natural gas: presented to Petrobras Executive Training Group, Austin, Texas

Other energy resources: presented to Petrobras Executive Training Group, Austin, Texas

Fossil fuels and global climate change: presented to Petrobras Executive Training Group, Austin, Texas

2010

Oil: Opening keynote address to symposium on The end of Oil?, Principia College, Elsah, Illinois

Overall global energy trends: presented to Petrobras Executive Training Group, Austin

Global oil resources and production capability: presented to Petrobras Executive Training Group, Austin, Texas

Global natural gas resources and production capability: presented to Petrobras Executive Training Group, Austin, Texas

Nonconventional oil and natural gas: presented to Petrobras Executive Training Group, Austin,Texas

Other energy resources: presented to Petrobras Executive Training Group, Austin, Texas

Fossil fuels and global climate change: presented to Petrobras Executive Training Group, Austin, Texas

Major trajectories in energy: LBJ School of Public Affairs, Austin, Texas

Energy overview: address to University of Texas School of Law/Univeersitat St. Gallen Executive Training program, Austin

2009

Energy trends in Texas: presented to the 21st Annual Energy Symposium, Texas Energy Council, Dallas

The Bureau of Economic Geology of the 20th Century (1909-2000): presented to Bureau of Economic Centennial Symposium, Austin

Energy in the 21st Century: address to University of Texas School of Law/Universitat St. Gallen

Executive training program, Austin

2008

U. S. dependency on foreign oil: luncheon address to University of Texas School of Law/Universitat St. Gallen executive training program, Austin

Moving down the natural gas pyramid—the changing face of natural gas exploration and

Development in the U. S.: presented to the 2008 Natural Gas Summit, Colorado Oil and Gas

Association/ Rocky Mountain Association of Geologists, Denver

Energy Futures: presented to the J. L. Frank Graduate Seminar, Texas A&M University, College Station, Texas

What's happening in energy in Texas: presented to the 20th Anniversary Annual Energy Symposium, Texas Energy Council, Dallas

Future of petroleum exploration and production technology: presented to the Academicians' Forum,celebrating the 50th anniversary of the Research Institute of Petroleum Exploration & Development (RIPED), PetroChina, Beijing

World heavy oil basins and resource potential: keynote address to JPMorgan Annual Energy Symposium: Heavy Oil, Houston

Energy and the environment: Can they be reconciled?: presented as the Geology and Society Division Distinguished Lecture, Geological Society of America annual meeting, Houston

2007

Climate change: A complex scientific issue: presented to Texas Water Conservation Association Galveston, Texas

Global Oil: Peaking or plenty: presented to SAGE, Austin, Texas

The Coming Methane Economy: Presented to SAGE, Austin, Texas

Latin America and 21st Century energy: presented to Latin America Forum, Hualtuco, Mexico

Energy in the 21st Century: presented to QUEST, Austin, Texas

The third trillion: presented to Society of Petroleum Engineers, Research and Development Conference, San Antonio

Overall global energy trends: presented to Petrobras Executive Training Group, Austin, Texas

Global oil resources and production capability: presented to Petrobras Executive Training Group, Austin, Texas

Global natural gas resources and production capability: presented to Petrobras Executive Training Group, Austin, Texas

Nonconventional oil and natural gas: presented to Petrobras Executive Training Group, Austin, Texas

Other energy resources: presented to Petrobras Executive Training Group, Austin, Texas

Fossil fuels and global climate change: presented to Petrobras Executive Training Group, Austin, Texas

2006

Global energy in the 21st Century: presented to Austin Geological Society, Austin

Workforce issues in the global energy challenge: presented to Institute of Americas, annual meeting, La Jolla, California

North American oil and natural gas resources: presented to Colorado Oil and Gas Association,

Natural Gas Summit meeting, Denver

Trends in the fossil fuels: LBJ/JSG seminar, Austin

The global energy picture: Presented to SAGE, University of Texas at Austin

Long term energy substitution trends; presented to the UT Forum

Global oil production: early peaking or adequate supply? Presented to the UT Forum

Natural gas and coal in the 21st Century energy mix: Presented to the UT Forum

Renewables and climate change; the environmental side: Presented to the UT Forum

2005

Long term energy trends and impact on West Texas: presented to Midland Chamber of Commerce, Midland, Texas

Energy in the 21st Century: presented to Texas Western College, Snyder, Texas

Long term energy substitution trends; presented to the UT Forum

Global oil production: early peaking or adequate supply? Presented to the UT Forum

Natural gas and coal in the 21st Century energy mix: Presented to the UT Forum

Renewables and climate change; the environmental side: Presented to the UT Forum

2004

Global oil: Relax, the end is not near: American Geophysical Union, Annual Meeting, Symposium on "Running on Empty? Oil: How Much, Where, and at What Cost?" San Francisco, California.

The methane economy and the resource base to fuel it: Rocky Mountain Natural Gas Strategy Conference and Investment Forum, Colorado Oil & Gas Association, Denver, Colorado.

Science for policy and international relation studies: presented to Symposium on "The University and international relations in the 21st century": LBJ School of Public Affairs, Austin, Texas.

Decarbonization: Impact on economy and environment: Special Forum on "The future global energy," American Association of Petroleum Geologists Annual Meeting, Dallas, Texas.

Global oil recovery and production: presented to conference on "Hubbert's peak and global oil production," Offshore Technology Conference, Annual Meeting, Houston, Texas.

Some questions and thoughts on resource assessment: Keynote presentation to Second Symposium on Resource Assessment Methodologies, U.S. Geological Survey and Potential Gas Committee, Denver, Colorado.

Global peak oil production: Fact or fiction: Teleconference, J. P. Morgan energy analysts.

A brief (and somewhat personal) history of the Bureau of Economic Geology: Presented to Summer Seminars, Bureau of Economic Geology, The University of Texas at Austin, Austin, Texas.

Geoscience and public policy in Texas: presented to Decision Makers Field Conference: Bureau of Economic Geology/Jackson School of Geosciences, Austin, Texas.

Energy in the long term: presented to South Texas Geological Society, San Antonio, Texas.

2003

Moving to a methane economy and its implications: SIPES, Austin Chapter, Austin, Texas.

Oil and gas industry: A global perspective: Internal Revenue Service, Petroleum Industry Conference, Houston, Texas.

2002

Energy for the next 100 years: the challenge of ingenuity and technology: John W. Stormart Lectures, Victoria College, Victoria, Texas.

Texas geological surveys and oil exploration in Texas: American Association of Petroleum Geologists Forum on History of Geology, Annual Meeting, Houston, Texas.

Modern-day challenge in teaching petroleum geology: Keynote address, Special Symposium, American Association of Petroleum Geologists, Annual Meeting, Houston, Texas.

The future of natural gas in the Gulf Coast Basin: Keynote address, Society of Independent Professional Earth Scientists, Annual Meeting, Lafayette, Louisiana.

Natural gas in the new world of energy: Offshore/Onshore Technologies Association of Nova Scotia (TANS), Canadian Offshore Resources Conference, Halifax, Nova Scotia.

Summary of national energy policies: American Association of Petroleum Geologists Energy Summit, Washington, D.C.

Transitions in energy use and demand: Desk & Derrick Club, San Antonio, Texas.

The coming methane economy: Landmark Luncheon Seminars, Austin, Texas.

2001

Essentials of a national energy policy: presented to American Association of Petroleum Geologists Energy Summit, Washington, D.C.

The current energy scene and the President's energy plan: luncheon speaker, all-convention luncheon, American Association of Petroleum Geologists, Annual Meeting, Denver, Colorado.

Advance of technologies in fossil energy resources: The President's Circle, The National Academies, Woods Hole, Massachusetts.

U.S. natural gas in the short and long term: North American Natural Gas Forum, Natural Gas Week, Washington, D.C.

The Gulf in the coming methane economy: all-convention luncheon address, Gulf Coast Association of Geological Societies, Annual Meeting, Shreveport, Louisiana.

Principal issues in U.S. and world energy: National Academy of Engineering, Energy Workshop, Washington, D.C.

The professionalism of Don R. Boyd: posthumous award of Boyd Medal to Don R. Boyd, Corpus Christi Geological Society, Corpus Christi, Texas

Response, William H. Twenhofel Medalist: SEPM (Society for Sedimentary Geology), Awards Banquet, Denver, Colorado.

Energy and environment—a global challenge: Outreach Lecture Series, Department of Geological Sciences, The University of Texas at Austin, Austin, Texas.

2000

Energy resources for the 21st century: presented at DPA/EMD/AAPG Symposium, A World of Resources throughout the 21st Century, American Association of Petroleum Geologists, Annual Meeting, New Orleans, Louisiana.

Energy for this century: presented to Texas Community College Teachers Association, Annual Meeting, Austin, Texas.

Global energy resources: Division of Professional Affairs Panel, American Association of Petroleum Geologists, Annual Meeting, New Orleans, Louisiana.

Frailties of natural gas supply and demand projections: presented at Natural Gas Conference, Minerals Management Service, U.S. Department of the Interior, Houston, Texas.

The end of resource scarcity: presented at SIPES Board of Directors Annual Meeting, Austin, Texas.

Near- and long-term perspective on U.S. natural gas supply: presented to Board on Energy and Environmental Systems, National Research Council, Washington, D.C.

1999

Global oil supply: technology versus depletion: presented to U.S. National Labs Energy R&D Working Group, Washington, D.C.

U.S. natural gas: making the 30 tcf future: presented to North American Gas Strategies Conference, Houston, Texas.

Future of the geosciences: change like we have never seen: Banquet address, Corporate-Academic Affiliates Conference, American Geological Institute, Houston, Texas.

Systems, sequences, and regimes: Keynote address, Symposium on Depositional Systems, American Association of Petroleum Geologists, Annual Meeting, San Antonio, Texas.

Future direction of global oil supply and price: Luncheon address presented to Central Texas Section, Society of Independent Earth Scientists, Austin, Texas.

Energy resources into the 21st century: U.S. Geological Survey and National Research Council Symposium on Natural Resources and Hazards: Challenges for the 21st Century; in honor of Michel T. Halbouty; The National Academies, Washington, D.C.

Our changed perception of energy resources in the past 20 years: The Haney Symposium on Two Decades of Geology in the Public Interest: Kentucky Society of Professional Geologists, University of Kentucky, Lexington, Kentucky.

Systems, sequences, and regimes: Society of Exploration Geophysicists, Annual Meeting, by special invitation, Houston, Texas.

Characterizing the reservoir and growing the reserve: Keynote address, Gulf Cost Section Society of Economic Paleontologists and Mineralogists, Bob F. Perkins Research Conference on "Advanced Reservoir Characterization for the 21st Century," Houston, Texas.

Citation for Charles J. Mankin, Ben H. Parker Medalist, American Institute of Professional Geologists, Annual Meeting, Anchorage, Alaska.

Citation for Don R. Boyd, Special Commendation Award, Gulf Coast Association of Geological Societies, Annual Meeting, Lafayette, Louisiana.

Future gas supply workshop, FETC, U.S. Department of Energy, Morgantown, West Virginia.

Energy—the next 100 years: Bureau of Economic Geology, The University of Texas at Austin, Research Seminar.

Technology in oil field revitalization: workshop on old field revitalization, sponsored by Brazilian Ministry of Mines and Energy, Salvador, Brazil.

Revitalizing old fields: the U.S. and global experience: presented to Workshop on Revitalização de Campos e Re-exploraçao em Bacias Maduras, Instituto Brasileiro de Petróleo, Salvador, Brazil.

Historical U.S. policies regarding marginal oil and gas development: presented to Workshop on Revitalização de Campos e Re-exploraçao em Bacias Maduras, Instituto Brasileiro de Petróleo, Salvador, Brazil.

1998

Natural gas supply: A resource and technology outlook: presented to Executive Conference, Natural Gas Supply Association, Houston, Texas.

Fossil fuels and global warming: How big a threat?: Independent Petroleum Association of America, Houston, Texas.

Technology, geologic ingenuity, and the great turn-around in natural gas: keynote presentation to the Symposium on Macroeconomics of Oil and Gas. Houston Geological Society 75th Anniversary Celebration, Houston, Texas.

Global oil and domestic gas: State of the industry: Leadoff address, 35th Annual Meeting, Society of Professional Earth Scientists, Durango, Colorado.

Fossil fuels—from running out to fouling up: Keynote address, American Institute of Professional Geologists, Annual Meeting, Baton Rouge, Louisiana.

Meeting global resources needs: Keynote address, Conference on Meeting Societal Resource and Environmental Requirements for the 21st Century, Division of Environmental Geosciences, American Association of Petroleum Geologists, Taos, New Mexico.

Energy and the environment: The technological solution: presented to The University of Texas Learning Advancement for Mature People (LAMP), Austin, Texas.

Prices and technology in the oil patch: Keynote presentation to Texas Independent Producers and Royalty Owners, San Antonio, Texas.

Technology and changing perceptions in oil and natural gas: Luncheon address, Texas Railroad Commission Technology Transfer Symposium, Houston, Texas.

Energy availability: presented to Symposium on "The Lessons Learned: Preparedness 1941-1998," sponsored by Admiral Nimmitz Museum, U.S. Naval Academy, and Texas Parks and Wildlife Department, Fredericksburg, Texas.

Fossil fuels: are we running out or fouling up? Technical Session, Department of Geological Sciences, The University of Texas at Austin.

Citation for Peter R. Rose, Ben H. Parker Medalist, American Institute of Professional Geologists, Baton Rouge, Louisiana.

Citation for Charles G. Groat, Ian Campbell Medalist, American Geological Institute, Toronto, Canada.

Citation for Don R. Boyd, Hall of Honor Inductee, College of Natural Sciences, The University of Texas at Austin, Austin, Texas.

Coming to closure: After-dinner remarks at American Geological Institute 50th Anniversary Symposium, Washington, D.C.

1997

Briefing Energy R&D Panel of President's Committee of Advisors for Science and Technology, Report to Board on Energy and Environmental Systems and Board on Earth Sciences & Resources, National Research Council, Washington, D.C.

It could be different this time: Luncheon address, South Texas Geological Society, San Antonio, Texas.

Citation for Marcus E. Milling, Ben H. Parker Medalist, American Institute of Professional Geologists, Houston, Texas.

Technology and the revitalization of the natural gas industry: Energy Forum, City College of New York Graduate School, New York City, N.Y.

Technology in the restructured oil and gas industry: Energy Daily, First Annual Utility R&D Conference, Washington, D.C.

Oil and gas plays of the Gulf of Mexico: U.S. Department of Energy, Annual Gas Conference, Houston, Texas.

Oil and gas exploration and production technologies: Resources for the Future, Workshop on Technology Impacts, Washington, D.C.

The energy situation in Texas and the nation: Austin Geological Society, Austin, Texas.

A current look at energy: University of Texas at Austin Ex-Students Association, Alumni Update 1997, Austin, Texas.

Changing perceptions of the U.S. and global oil and natural gas resource base: American Association of Petroleum Geologists, Division of Professional Affairs, Annual Meeting, Dallas, Texas.

Energy in transition: Noël Lecture, University of Texas, Permian Basin, Midland-Odessa, Texas.

Energy use, population, and the environment: University of Texas, Permian Basin, Midland-Odessa, Texas.

Concentrating the mind: the turnaround in domestic oil and gas: Keynote address, American Association of Petroleum Geologists, Southwest Section, San Angelo, Texas.

Update on oil and gas in the U.S.: Society of Independent Professional Earth Scientists, Austin, Texas.

Will technology save us? Society of Petroleum Engineers, Dallas, Texas.

1996

Technology and the modern oil and natural gas industry: Energy Policy Forum, Aspen Institute, Aspen, Colorado.

Gas finding rates, supply, and prices: U.S. Department of Energy, EIA, Fourth National Energy Modeling System/Annual Energy Outlook Conference, Arlington, Virginia.

Fundamentals of U.S. natural gas supply: New Mexico Department of Energy, Minerals and Natural Resources, 9th Annual Natural Gas Marketing Conference, Santa Fe, New Mexico.

The geosciences: adapting to a world of change: Sociedade Brasileira de Geologia, XXXIX Congresso Brasileira de Geologia, Salvador, Brazil.

Petroleum geologists in a changing world: Inaugural address, Associação Brasileira de Geólogos de Petróleo, Rio de Janeiro, Brazil.

Natural gas supplies: Lakeway Men’s Club, Lakeway, Texas.

Natural gas in Texas: Outlook for supply over next decade: Texas Railroad Commission Gas Gathering Conference (luncheon address), Austin, Texas.

Oil and gas outlook: Abilene Geological Society, Abilene, Texas.

Citation for Robert R. Jordan, AGI Campbell Medalist, Geological Society of America, Denver, Colorado.

Citation for Charles J. Mankin, Honorary Membership, American Institute of Professional Geologists, Columbus, Ohio.

Citation for William E. Gipson, Hall of Honor Inductee, The University of Texas at Austin, College of Natural Sciences, Austin, Texas.

Citation for Bernold M. Hanson, Environment Achievement, Midland College, Midland, Texas.

Geoscience directions and breakthroughs: Energy Technology Conference: Exxon Co., U.S.A., Houston, Texas

Resource policy issues: AAPG Division of Professional Affairs Panel: GCAGS annual meeting, San Antonio, Texas.

1995

Factors in determining gas prices; analysis of finding rates: presented to U.S. Department of Energy, Energy Information Administration Workshop on Gas Prices, Washington, D.C.

Future of natural gas: resources and prices: presented to East Texas Natural Gas Association, luncheon meeting, Tyler, Texas.

The earth science enterprise: coping in a changing world: presented to American Association of Petroleum Geologists, Pacific Section, all-convention luncheon, San Francisco, California.

Natural gas plays: presented to Gas Daily Seminar on Where the Best Gas Plays Are: Houston, Texas.

Outlook in natural gas: presented to Dutch-treat Wildcatter's luncheon, Dallas, Texas.

State geological surveys and the future of geology: presented to Geological Society of America Symposium on the Future of Geology, New Orleans, Louisiana.

Citation, Joseph C. Walter, Jr., Hall of Honor Inductee, The University of Texas at Austin, College of Natural Sciences.

1994

U.S. oil and gas resources: their critical dependence on technology: presented at IGT Seventh International Symposium on Energy Modeling, Atlanta, Georgia.

Oil policy trends: presented at Meet Alaska Conference, Anchorage, Alaska.

Global oil markets: presented to Alaskan World Affairs Council, Anchorage, Alaska (luncheon address)

Technology and concepts in the changed perception of oil and gas resources: presented at Gas Daily Symposium on Technology, Houston, Texas (luncheon address).

Response, Sidney Powers Medalist: presented at American Association of Petroleum Geologists, Annual Meeting, Denver, Colorado.

Global gas resources: presented at International Symposium on Gas Resources and Markets, American Association of Petroleum Geologists, Annual Meeting, Denver, Colorado.

Resource assessment and recovery: impact of technology: presented to China National Petroleum Corporation, Dalian, People's Republic of China.

Concepts in oil recovery: presented to Petroleum University of China, Chanping, People's Republic of China.

Exploration and development technology: presented to Research Institute for Petroleum Exploration and Development, China National Petroleum Corporation, Beijing, People's Republic of China.

The nonrenewable resources of the coast: presented to the Bay Summit, Corpus Christi Bay National Estuary Program, Corpus Christi, Texas.

Moderator, Environmental and Conservation Issues of the 90's: Welder Wildlife Foundation, Corpus Christi, Texas.

The dramatic turnaround in resource perception: presented to South Texas Geological Society, San Antonio, Texas.

The revolution in natural gas: presented to SIPES, Austin, Texas.

Citation, Don R. Boyd, *Transactions* dedicatee, presented to Gulf Coast Association of Geological Societies, Annual Meeting, Austin, Texas.

Citation, Frank W. Harrison, Ben H. Parker Medalist, presented to American Institute of Professional Geologists, Annual Meeting, Flagstaff, Arizona.

The North American natural gas experience: revitalization of a resource base thought exhausted: presented to the Global Gas Resources Workshop on Impacts of Technology on the Global Gas Resource Base, Vail, Colorado.

Rethinking resources: presented to Gulf Coast Association of Geological Societies Symposium on Limitations of the Earth Revisited, Annual Meeting, Austin, Texas.

Geoscience policy: adapting to world of change: National Research Council, Board on Earth Sciences and Resources, Distinguished Lecture in Geoscience Policy: National Academy of Science, Washington, D.C.

Energy issues in the 1990's: The University of Texas at Austin, School of Business seminar series.

1993

Basic trends in the domestic oil and gas industry: presented to Shell Oil Company Planning Program, Houston, Texas.

Natural gas in the U.S.: Will supplies be there when needed?: presented at the Canadian Energy Research Institute North American Natural Gas Conference, Calgary, Alberta, Canada.

Reserve growth and increasing production in mature fields: The U.S. experience: presented to Lagoven, S.A., Board of Directors, Caracas, Venezuela.

The newly emerging domestic oil and gas industry: presented to Ohio Oil and Gas Association, Winter Meeting, Columbus, Ohio.

U.S. oil, gas, and geologists: looking forward: Banquet Address, presented to Society of Independent Earth Scientists, Annual Meeting, San Antonio, Texas.

Geologists and the environment: the academic view: presented to American Association of Petroleum Geologists Annual Meeting, New Orleans, Louisiana.

Future of the U.S. energy and mineral resource industry: Futures Conference, presented to Society of Independent Earth Scientists, Houston, Texas.

U.S. natural gas: reserves and supplies: presented to Aspen Institute Policy Issue Forum on Energy, Environment, and the Economy, Aspen, Colorado.

Geology and resources: future directions: presented to Nebraska Geological Survey Centennial Celebration, Lincoln, Nebraska.

What's left of traditional energy resources in Texas, gas supplies and resources: presented at Symposium, Toward a Texas Energy Policy, Partners in Policy Forum IV, Austin, Texas.

Opportunities in domestic oil and gas: presented to Shreveport Geological Society, Shreveport, Louisiana.

Directions in geoscience policy: presented to Board on Earth Sciences and Resources, National Academy of Science, Washington, D.C.

1992

The coming crises in preserving petroleum and geologic data: presented to Association of Records Managers and Administrators, Petroleum Industry Action Committee, Austin, Texas.

Exploration and exploitation affairs in domestic oil and gas: presented to Corpus Christi Geological Society, luncheon address, Corpus Christi, Texas.

Role of technologies in oil and gas development; with emphasis on trends in natural gas: presented to International Association for Energy Economics, Houston Chapter, Houston, Texas.

Future geologic issues in Texas—energy, environment, and water: presented to Society of Independent Professional Earth Scientists, Austin Chapter, Austin, Texas.

Introduction to the McKelvey Forum: presented to U.S. Geological Survey Conference, Houston, Texas.

Oil and gas in the nineties—a look at the fundamentals: presented to American Association of Petroleum Geologists, Division of Professional Affairs, Southwest Section Meeting, luncheon address, Midland, Texas.

Projection and outlook for oil, natural gas, and geothermal resources in Texas: presented to State of Texas Energy Policy Partnership, Austin, Texas.

Emerging technologies in oil and gas exploration and recovery: presented to National Technology Initiative Conference, DOE, DOT, DOC/The University of Texas at Austin, Austin, Texas.

Production economics of oil and gas in marginal fields: presented to OCS Policy Committee, U.S. Department of the Interior, Houston, Texas.

Issues in U.S. gas supply: presented to First Chicago Bank's Spring Energy Panel, Chicago, Illinois.

Surviving the meltdown: presented to East Texas Geological Society, Tyler, Texas.

Changing dynamics in U.S. oil and gas: presented to Society of Professional Independent Earth Scientists, Houston Chapter, Houston, Texas.

U.S. energy policy: Do we care anymore? presented to The University of Texas at Arlington, Arlington, Texas.

Roles of technologies and efficiencies in U.S. oil and gas: presented to South Texas Oil Show, Corpus Christi, Texas.

Reservoir characterization technologies and reserve growth: presented to Reservoir Characterization Forum, convened by Schlumberger-Doll Research, Ridgefield, Connecticut.

U.S. oil and gas recovery and advancing technology: presented to Society of Exploration Geophysicists, annual meeting, technology luncheon, New Orleans, Louisiana.

Trends in the U.S. oil and gas industry: briefing to Canadian National Energy Board and staff, Calgary, Alberta, Canada.

Analysis of oil and natural gas policies in the national energy strategy, The University of Texas at Austin Committee: presented to State of Texas Energy Policy Partnership, Austin, Texas.

Oil, gas, and the birds: the dodo or the phoenix?: presented to Texas Tech University, Lubbock, Texas.

Geology and the domestic petroleum industry: presented to Department of Geology, University of Kentucky Centennial Celebration symposium on "The next ten years: The geological sciences in 2002," Lexington, Kentucky.

Natural gas supply and demand: reaching equilibrium at last: presented to the Third Conference on Moving Gas on Texas Intrastates, Houston, Texas.

Technologic trends in oil and gas discovery and recovery: presented to Sociedád Internacional de Ingenieros Petroleos, Santa Cruz, Bolivia.

1991

Technology and price: basic elements of U.S. oil and gas outlook: Phoebe Apperson Hearst Distinguished Lecture Series, University of California, Berkeley, California.

Toward a rational energy policy: will we ever get there?: presented as part of University Lecture Series, California State University, Fresno, California.

U.S. potential for oil and gas production: presented to the Aspen Institute Energy Policy Forum, Aspen, Colorado.

Changing dimensions of natural gas supplies: special briefing for Secretary of Energy Harrington, Washington, D.C., with Ken Lay

Natural gas supplies from the Midcontinent and Gulf Coast, U.S.A.: presented to Industrial Gas Users Association/l'Association des Consommateurs Industriels de Gaz, Toronto, Canada.

From gushers to reserve growth: a brief history of Texas oil and gas: presented to Symposium on History of AAPG and the Petroleum Industry, American Association of Petroleum Geologists, annual meeting, Dallas, Texas.

The U.S. potential in oil and gas: presented to the First Annual Meeting of Trustee Associates, Society of Exploration Geophysicists, Point Clear, Alabama.

Natural gas markets: ample supply in the 1990's and beyond: presented to DRI Energy/Chemical Conference, New Orleans, Louisiana.

Changing perspectives in natural gas: presented to Central Texas R&D Society, Radian Corporation, Austin, Texas.

Technology and geologic know how: keynote address to Austin Chalk Symposium, South Texas Geological Society, San Antonio, Texas.

Research and development directions in oil and gas recovery: presented to Texas Independent Producers and Royalty Owners, midyear meeting, Austin, Texas.

Surprising events in natural gas reserve additions: presented to Gas Research Institute, Advisory Council, Washington, D.C.

Energy concerns in America: presented to Austin Kiwanis Club, Austin, Texas.

Geology and the new energy frontiers: Geology Building dedication, The University of Texas at El Paso, El Paso, Texas.

Energy and the environment: conflicts in the making?: presented to Permian Basin Oil Association/University of Texas System, seminar on environment, Midland, Texas.

The natural gas supply outlook for Texas: presented to 2nd annual conference on moving gas on Texas intrastates, Houston, Texas.

1990

Fossil fuels: beyond a century of use: presented as first Hollis D. Hedberg Distinguished Lecture, The University of Kansas, Lawrence, Kansas.

Oil and gas resource recovery: presented to Geological Society of America Symposium on "Future energy needs and utilization of fossil fuels," annual meeting, Dallas, Texas.

The new look at natural gas: presented to American Institute of Chemical Engineering session on "Energy policy: Natural gas," annual meeting, Chicago, Illinois.

How long will fossil fuels last?: presented to LAMP, Current Science Topics; The University of Texas at Austin, Austin, Texas.

Domestic natural gas: case for an optimistic future: presented to Oil Daily annual gas conference, Houston, Texas.

The potential of oil and gas recovery through horizontal drilling: presented to Executive Enterprises conference on horizontal drilling, Houston, Texas.

Briefing on National Research Council report on production of liquid fuels to U.S. Department of Energy and U.S. Congressional staff, Washington, D.C.

Natural gas: reaching stability: presented to fourth annual winter natural gas symposium, Gas Daily, Newport Beach, California.

Oil reserve growth: understanding complex reservoirs: presented to AAAS symposium on "Improved recovery of oil and gas from existing fields," New Orleans, Louisiana.

The global dimension of oil: role of the three critical players: presented to the Texas International Law Journal symposium on international energy trade and regulation, Austin, Texas.

Cautious optimism for the new decade: presented to East Texas Geological Society, Tyler, Texas.

The 1990's: looking good or at least better: presented to Permian Basin Section, Society of Economic Paleontologists and Mineralogists, Midland, Texas.

U.S. oil and gas: outlook for the 1990's: presented to North Texas Association of Petroleum Landmen, Wichita Falls, Texas.

Research in secondary gas recovery: presented to U.S. Department of Energy briefing on oil and gas research directions, Washington, D.C.

Petroleum geology: where are we heading?: keynote presentation, Symposium on the future of geology, the University of New Mexico, Albuquerque, New Mexico.

Opportunities for horizontal drilling in Texas oil and gas plays: presented to Gas Daily symposium on horizontal drilling, Houston, Texas.

Reserve growth and the Permian Basin: New Frontiers: keynote presentation to Permian Basin Section, Society of Exploration Geophysicists, Midland, Texas.

Price and technological sensitivities in U.S. oil and gas development: presented to Johns Hopkins Foreign Policy Institute conference on "Energy and environmental agenda for the 1990's and role of energy technologies," Washington, D.C.

New frontiers in natural resource research: presentation of solid earth sciences study, National Academy of Sciences to American Geophysical Union, annual meeting, Baltimore, Maryland.

Rethinking the U.S. oil and gas resource base: Society of Petroleum Engineers–University of Houston conference on emerging technologies, Houston, Texas.

Separation of exploration and production leasing: U.S. Department of Interior, OCS Advisory Board panel, Anchorage, Alaska.

Briefing to State Land Board on Oil and Gas Recovery Research on State-Owned Lands, Austin, Texas.

Briefing to College of Natural Sciences Advisory Council, Government Affairs Committee on Strategies in Research Funding.

Geologic opportunities for horizontal drilling: presented to Second International Conference on Horizontal Drilling, World Oil, Houston, Texas.

Permian Basin and the global oil situation: presented to Permian Basin Center for Energy and Economic Diversification, Midland, Texas.

1989

Geological research: unique role of the state geological surveys: presented to Geological Society of America Symposium on Geologic Research and Public Policy, St. Louis, Missouri.

Natural gas: reaching stability: presented to Gas Daily Conference on Outlook for Gas Prices, Houston, Texas.

Natural gas, more plus than minus: presented to Texas Independent Producers and Royalty Owners Association, mid-year meeting, Austin, Texas.

The Permian Basin in 1992: presented to Permian Basin Landmen's Association, Midland, Texas.

Oil and gas resources: future options from a historical perspective: presented to U.S.-Canada Legislative Symposium, National Conference of State Legislators, San Antonio, Texas.

Outlook for oil and gas: presented to Austin Geological Society, Austin, Texas.

International oil markets: presented to Center for Energy Policy Research, Massachusetts Institute of Technology, Cambridge, Massachusetts.

A new look at oil and gas potential: presented to Abilene Geological Society, Abilene, Texas.

Assessment of U.S. natural gas resource base: keynote address to Unconventional Gas Research and Development Conference, Morgantown Energy Technology Center, U.S. Department of Energy, Morgantown, West Virginia.

Changing perspectives of the U.S. oil and gas resource base: Implications for the Future: presented to annual meeting of American Association of Petroleum Landmen, Anaheim, California.

New oil from old fields—an exciting new frontier: presented to Annual National Conference on Undergraduate Research, Trinity University, San Antonio, Texas.

Natural gas resources: presented to American Gas Association, Supply Task Force Meeting, Naples, Florida.

New approaches to gas resource evaluation: presented to American Gas Association, annual meeting, Hilton Head, South Carolina.

The independent oil and gas operators: Future Challenges and Opportunities: keynote address to Oil Recovery Conference, University of Kansas, Wichita, Kansas.

The new promise of natural gas: presented to Division of Professional Affairs, American Association of Petroleum Geologists, annual meeting, San Antonio, Texas.

Strategies for energy exploration and development: presented to Energy Minerals Division, American Association of Petroleum Geologists, annual meeting, San Antonio, Texas.

Search for the subtle trap: keynote address to West Texas Geological Society Symposium on Search for the Subtle Trap, Midland, Texas.

Oil and gas potential of the U.S. lower 48 states: presented to Symposium on Exploration Economics, Society of Exploration Geophysicists, annual meeting, Dallas, Texas.

Independents; implication of the remaining oil and gas resource base: presented to Independent Petroleum Association of America, annual meeting, San Francisco, California.

Changing perceptions of U.S. resource base: keynote address to IBM Exploration and Production Software Symposium, Houston, Texas.

Extended reserve growth for natural gas: presented to Colorado Natural Gas Conference; Denver - Julesburg Petroleum Association, Denver, Colorado.

1988

Reassessing the U.S. oil and gas resource base: presented to National Wildlife Federation, Synergy 88, Washington, D.C.

Oil and gas research—some challenges for the public sector: presented to University of Kentucky, Kentucky Geological Survey Sesquicentennial Lecture Series, Lexington, Kentucky.

Beyond the symmetrical life cycle: Berg Distinguished Lecture, Wichita State University and Kansas Geological Society, Wichita, Kansas.

Outlook for oil and gas: presented to the Corpus Christi Chamber of Commerce, Energy Impact Conference, Corpus Christi, Texas.

The U.S. oil and gas resource base: policies to realize or to forfeit?: presented to DRI Spring Energy Conference, Houston, Texas.

Manpower in the geological sciences—some ominous trends: presented to annual meeting of the American Association of Petroleum Geologists, Houston, Texas.

Natural gas as a long-term energy resource: presented to National Clean Air Symposium, Washington, D.C.

Critical geoscience strategies in oil and gas recovery: presented to Geoscience Institute Regional Forum, St. Louis, Missouri.

Secondary gas recovery research: special guest lecture to Morgantown Energy Technology Center, Morgantown, West Virginia.

Cycles in oil prices and concerns: presented to West Austin Rotary Club, Austin, Texas.

Availability of North American natural gas—resources and deliverability: presented to the Energy Forum, City College of New York, New York.

Oil and gas research initiatives: Interstate Oil Compact Commission briefing to U.S. Senate, Washington, D.C.

Scientific drilling and hydrocarbon resources: National Academy of Sciences briefing for federal agencies, Washington, D.C.

Prospects for oil and gas development: presented to 15th annual Japan-Texas conference, Austin, Texas.

Oil production in Texas—future potential: presented to the Travis County Bar Association, Austin, Texas.

An assessment of the natural gas resource base of the U.S.: press briefing with Secretary of Energy, U.S. Department of Energy, Washington, D.C.

The technological dependency of the U.S. oil and gas resource base: presented to Society of Petroleum Engineers, Economic Symposium, Washington, D.C.

Natural gas supplies—resources to deliverability: presented to annual meeting, American Cogeneration Association, Chicago, Illinois.

Natural gas potential supplies and future demand: presented to Society of Independent Professional Earth Scientists, Dallas, Texas.

Rethinking the oil potential of the Permian Basin: presented to the Permian Basin Petroleum Association, annual meeting, Midland, Texas.

Analysis of U.S. domestic natural gas resources and supplies: presented to public affairs luncheon, TIPRO, Dallas, Texas.

Research, technology, and the changing oil and gas resource base: presented to Interstate Oil Compact Commission meeting, Colorado Springs, Colorado.

Future of the petroleum geosciences: presented to Colorado School of Mines, Golden, Colorado.

The coming U.S. energy predicament: presented to the Offshore Oil Scout Association, New Orleans, Louisiana.

Natural gas reserves and public policy: presented to Texas Society of Certified Public Accountants, Oil and Gas Conference, Houston, Texas.

Opportunities in the geological sciences...where next?: presented to Opening Session, Gulf Coast Association of Geological Societies, annual meeting, New Orleans, Louisiana.

Potential for additional oil and gas recovery in the Gulf Coast Basin: presented to Houston Geological Society, Houston, Texas.

Natural gas resources, supplies, and deliverability: presented to Natural Gas Conference, University of Houston, Houston, Texas.

The oil and gas resource base: impact on the future role of independents: presented to 21st Century Committee of Independent Petroleum Association of America, Dallas, Texas.

1987

The price of oil: Mayfield Distinguished Lecture, Bowling Green State University, Bowling Green, Ohio.

Marginal oil and gas resources and geological futures: Mayfield Distinguished Lecture, Bowling Green University, Bowling Green, Ohio.

The price of oil: presented to Town and Gown, Austin, Texas.

The future of exploration—getting efficient with small fields: keynote address to American Association of Petroleum Geologists, Southwest Section, Dallas, Texas.

Marginal resources and industrial capacity: presented to University of Delaware, Newark, Delaware.

Reserve growth and the emergence of moderate-cost oil: presented to The University of Texas System conference with operators, University Lands, Midland, Texas.

Averting future energy crises: presented to Outer Continental Shelf Policy Advisory Board, San Francisco, California.

Eighteen months after the crash: presented to Independent Petroleum Association of America, Dallas, Texas.

Capability of the U.S. oil and natural gas resource base: presented to City College of New York, Energy Forum, New York, New York.

Oil and gas research directions: banquet address, U.S. Department of Energy/Basic Energy Sciences Workshop on Not Yet Visible or Recoverable Hydrocarbons, The Woodlands, Texas.

The necessity of oil price stabilization: presented to Petroleum Industry Research Foundation, National Press Club, Washington, D.C.

New frontiers in old areas: Rediscovering the resource base: presented to American Association of Petroleum Geologists, Mid-Continent Section Meeting, Tulsa, Oklahoma.

The U.S. oil and natural gas resource base: capacity for stable production: presented to International Association of Energy Economists, Washington, D.C.

Natural gas as a long-term stable resource: keynote address, Fourth Annual Natural Gas Symposium, Oil Daily and Natural Gas Weekly, Houston, Texas.

Fossil fuel availability: presented to National Governors Association, Washington, D.C.

Oil prices: Who is calling the shots?: presented to Desk and Derrick Club, San Antonio, Texas.

Oil and gas supply outlook, perspective from the resource base: Independent Petroleum Association of America, Supply and Demand Committee, Austin, Texas.

An adequate energy resource base: Jefferson Energy Foundation, Town Hall Meeting, Pittsburgh, Pennsylvania.

Perspective of the Gulf States: Outer Continental Shelf Advisory Board, Corpus Christi, Texas.

Changing concepts of the U. S. oil and gas resource base: Bureau of Economic Geology seminar, Austin, Texas.

What we have learned or should have: keynote address: Gulf Coast Association of Geological Societies annual meeting, San Antonio, Texas.

Potential oil and gas supplies: Congressional Symposium, Victoria, Texas.

1986

Small field exploration and large field re-exploration: the future of petroleum geology in the U.S.: presented to Abilene Geological Society, Abilene; Corpus Christi Geological Society, Corpus Christi; Lafayette Geological Society, Lafayette; Tulsa Geological Society, Bartlesville; New Orleans Geological Society, New Orleans; West Texas Geological Society, Midland; Pacific Section of American Association of Petroleum Geologists, Bakersfield; Lamar University, Beaumont; Baton Rouge Geological Society, Baton Rouge; Institute for Geophysics and Department of Geological Sciences, University of Texas at Austin.

Small field exploration and large field re-exploration: the unconventional conventional gas resource: Gas Research Institute, annual meeting, Chicago, Illinois.

U.S. oil production capability in jeopardy: presented to National Academy of Sciences, Board on Minerals and Energy, Washington, D.C.

What is happening with oil prices: presented to the John Gray Institute, Beaumont, Texas.

Future of Texas oil and gas: an update: presented to Texas Ex-Students' Association, Alumni College 1986, Austin, Texas.

Petroleum prices and their impacts: presented to IBM Latin American Advisory Board, Austin, Texas.

Substituting knowledge: Commencement Address, College of Science, Southern Illinois University, Carbondale, Illinois.

The aggressive pursuit of marginal resources: Presidential Address to American Association of Petroleum Geologists, annual meeting, Atlanta, Georgia.

A producer state view: presented to Gas Research Institute Energy Seminar on ‘‘Impact of lower world oil prices on U.S. natural gas supply and prices,’’ Napa, California.

Reserve growth of reservoirs: the magnitude of the geologic opportunity; Facies architecture and depositional modeling in predicting reservoir heterogeneity; and Oil recovery mindsets and institutional barriers: presented to 1986 National Conference on Earth Science, Geology and Reservoir Management, University of Alberta and Canadian Society of Petroleum Geologists, Banff, Alberta, Canada.

Efficiencies in pursuing marginal resources: presented to Houston Geotech 86, Houston, Texas.

Oil prices and the future of the domestic industry: Pioneer Oil Prospector Society, Houston, Texas.

Some possible paths for oil prices: Lakeway Men’s Club, Lakeway, Texas.

Petroleum geology: Is there a future? The University of Texas at Arlington, Texas.

Future opportunities in academic and public service: Texas Section, American Institute of Petroleum Geologists, Dallas, Texas.

Impact of oil prices on Outer Continental Shelf development: Department of the Interior OCS Policy Advisory Board, Norfolk, Virginia.

U.S. oil and gas supplies, session chair: Electric Power Research Institute, Fuel Supply Seminar, San Diego, California.

Petroleum economics and the decline in exploration, session chair: Conference on impacts of price declines on oil exploration, development and financing; Southern Methodist University, Dallas, Texas.

Trends in oil and gas exploration and exploitation: American Association of Petroleum Geologists Day, Tulsa, Oklahoma.

Outlook for oil prices: Texas Business Editors, General Land Office, Austin, Texas.

1985

Is oil and gas a sunset industry?: Interstate Oil Compact Commission, annual meeting, New Orleans, Louisiana.

Texas crude oil production: a positive outlook after a decade of decline: presented to Austin Geological Society, Austin, Texas.

Domestic crude oil: reserve addition and production capabilities to year 2000: presented to Committee on the Strategic Petroleum Reserve, National Research Council, National Academy of Sciences, Washington, D. C.

Texas crude oil: some positive trends: presented to Interstate Oil Compact Commission, annual meeting, Austin, Texas.

Oil exploration and exploitation in the new energy era: Special Conference presentation to II Simposio Bolivaniano, Bogota, Colombia.

Outlook for oil in the Texas economy: presented to Second Texas Energy Symposium, The University of Texas at Dallas, Dallas, Texas.

Trends in petroleum geology: presented to American Institute of Professional Geologists, annual meeting, St. Paul, Minnesota.

Small field exploration and large field re-exploration—the future of petroleum geology: presented to American Association of Petroleum Geologists, Midcontinent Section, all-conference luncheon, Amarillo, Texas; Society of Exploration Geophysicists, annual meeting, Washington, D. C.; Houston Geological Society, Houston; South Texas Geological Society, San Antonio, Texas.

Reserve growth exploitation strategies: Executive Conference on New Directions for Exploration Strategy: NRG Associates, Colorado Springs, Colorado.

Geological projection of reserves and production in the Southwest States: presented to Conference on Energy and the Southwest Economy, Federal Reserve Bank of Dallas, Dallas, Texas.

1984

Oil exploration and exploitation: new trends and new geologic challenges: keynote address presented to Seventh Australian Geological Congress, Sydney, Australia.

Intrastate perspective on natural gas supply: the Texas situation: presented to Gas Research Institute annual meeting, Sun Valley, Idaho.

Reserve growth and oil exploitation strategies: new trends and challenges: presented to Society of Exploration Geophysicists annual meeting, Atlanta, Georgia.

Recent trends and outlook for natural gas in Texas: presented to Texas Petroleum Research Committee Conference on Natural Gas in Texas, Austin, Texas.

Future oil and gas exploration potential in Texas: presented to Corpus Christi Chamber of Commerce, Energy Impact Conference, Corpus Christi, Texas.

Area-wide resource evaluation—mature areas: presented to Outer Continental Shelf Policy Advisory Committee, Washington, D.C.

1983

Outlook for the energy minerals: luncheon address presented to American Association of Petroleum Geologists, Energy Minerals Division, annual meeting, Dallas, Texas.

Oil and gas exploitation geostrategies in Texas: presented to Society of Independent Professional Earth Scientists annual meeting, San Antonio, Texas.

The U.S. minerals position: presented to Interstate Mining Compact Commission annual meeting, Little Rock, Arkansas.

Oil exploration and production plays in the Texas Gulf Coast Basin: presented to Fourth Annual Research Conference, Society of Economic Paleontologists and Mineralogists, Houston, Texas.

Current energy issues: presented to South Texas Geological Society, San Antonio, Texas.

Current issues in oil and gas: Texas Close-Up interview, KTBC-TV, Austin, Texas.

Issues in high-level waste disposal: interview, KLRU, Austin, Texas.

Oil and gas: What does the future hold?: presented to Texas Railroad Commission Oil and Gas Seminar, Austin, Texas.

National issues in energy: presented to Texas Education Agency, Midland, Texas.

Current activities and issues in radioactive waste disposal: presented to American Institute of Mining, Metallurgical, and Petroleum Engineers, Corpus Christi, Texas.

Regulatory aspects in the mineral industry: presented to Society of Mining Engineers, Dallas, Texas.

Some observations on oil prices and future levels of production in Texas: presented to Texas Energy and Natural Resources Advisory Council, LBJ School of Public Affairs, and Petroleum Resources, Inc. conference on international oil pricing, Austin, Texas.

Exploitation strategies and outlook for oil and gas in West Texas: presented to Texas Technology Venturing, The University of Texas at Permian Basin, Odessa, Texas.

Facies analysis in reservoir geology: presented to Federal Universidade de Ouro Preto, Brazil.

Historical and current issues in public land policy: presented to LBJ School of Public Affairs, The University of Texas at Austin, Austin, Texas.

1982

Texas and coal: a look into the future: presented to Texas Energy Forum, State of Texas Office of State-Federal Relations, Washington, D.C.

Oil in Texas: a perspective on the past and future: presented to 1982 Krost Symposium on Texas Oil Frontiers: Past, Present, and Future, Texas Lutheran College, Seguin, Texas.

Natural gas in Texas: trends of the 1970's and future outlook: presented to TIPRO mid-winter meeting, Austin, Texas.

Tars and heavy crude in Texas: presented to National Tar Sands (Heavy Oil) Symposium, Lexington, Kentucky.

Activities in Texas lignite: presented to Beaumont Rotary Club, Beaumont, Texas.

Panel member, Seminar on oil and gas exploration: Library of Congress, Congressional Research Service, Washington, D.C.

Governmental role, free enterprise, and public values: presented to Symposium on mineral resources and economic security of the United States, American Society of Real Estate Counselors, Phoenix, Arizona.

Potential for additional oil recovery in Texas: presented at Texas Petroleum Research Committee Conference on Enhanced Oil Recovery, Austin, Texas.

The U.S. position in mineral resources: banquet address presented at Arkansas Mining and Minerals Study Week Celebration, Russellville, Arkansas.

Depositional systems in oil and gas exploration: presented to Calgary Society of Petroleum Geologists, Calgary, Canada.

Role of Facies Analysis in Seismic Stratigraphy: presented to Oklahoma City Geological Society, Oklahoma City, Oklahoma.

Role of Outer Continental Shelf oil and gas resources in national security: from Santa Barbara to Watt: presented at American Institute of Professional Geologists annual meeting, Pasadena, California.

Mining in the Texas Economy: presented to Texas Mining and Reclamation Association, Kerrville, Texas.

1981

Outlook for domestic energy supplies: options and uncertainties: presented at World Oil and Gas Show, Dallas, Texas.

Perspectives on energy and the economy: presented at Western Michigan University, Kalamazoo, Michigan.

Elements of oil and natural gas policy: presented at Symposium on energy policy in perspective, sponsored by LBJ School of Public Affairs, LBJ Library, and Brookings Institution, Austin, Texas.

Seismic stratigraphy and basin analysis: presented at American Association of Petroleum Geologists Seismic Stratigraphy Short Course, London, England.

Trends in geologic employment: banquet address at Geological Society of America, South-Central Section, annual meeting, San Antonio, Texas.

U.S. energy: are we heading toward solution?: banquet address presented to Society of Sigma Xi, Texas Chapter, Austin, Texas; and North Austin Rotary Club, Austin, Texas.

Issues of the U.S. federal offshore: press conference: presented at American Association of Petroleum Geologists, annual meeting, San Francisco, California.

On oil and gas in the Gulf Coast Basin: a look at the recent past with some observations on the future: keynote address presented at Gulf Coast Association of Geological Societies, annual meeting, Corpus Christi, Texas.

Mining in the Texas economy: presented to Texas Mining and Reclamation Association, South Padre Island, Texas.

Geological parameters in enhanced oil recovery: presented during workshop sponsored by Bartlesville Energy Technology Center and U.S. Department of Energy, Bartlesville, Oklahoma.

1980

Background and national energy issues: presented at John A. Logan College, Carterville, Illinois.

Conflicts in energy exploration and federal land policies: an agenda for the 80's: presented at LASER, Salt Lake City, Utah.

Current perspectives on national energy issues: presented at Update-80, The University of Texas Ex-Students Association, Austin, Texas.

Current research at the Bureau of Economic Geology: presented at American Institute of Professional Geologists, Texas Section, annual meeting, Houston, Texas.

Elements of the continuing energy debate: presented to Retired Officers Association, Austin, Texas.

Energy and regulation: conflicts in the making: presented to Mississippi Geophysical Society, Jackson, Mississippi.

Energy perspectives: presented at Texas Winners Conference, Houston, Texas.

Energy problems facing the U.S.: presented at Kansas Regents Telenetwork Honors Colloquium in the Sciences, Kansas State University, Manhattan, Kansas.

Energy resources and public policy: presented at American Institute of Professional Geologists congressional briefings, Washington, D.C.

Federal land policies: constraints on energy and mineral exploration: presented at American Institute of Mining Engineers annual meeting, Las Vegas, Nevada.

Mineral resources and government: the role of the federal estate: presented to Southwestern Legal Foundation, Dallas, Texas.

Oil and gas findings rates in projection of future production: presented at U.S. Department of Energy/National Bureau of Standards Oil and Gas Modeling Symposium, Washington, D.C.

Oil and gas outlook: Western Hemisphere through the 20th century: presented at Second Western Hemisphere Energy Symposium, Rio de Janeiro, Brazil.

Overview of surface mining in Texas: presented at Surface Mine Reclamation Workshop, Texas A&M University, College Station, Texas.

Tertiary and Mesozoic delta systems in oil and gas exploration: presented at The University of Texas, Permian Basin Graduate Center, Midland, Texas.

Trends in Texas energy production: presented to Interstate Oil Compact Commission, Dallas, Texas.

U.S. energy outlook this decade: presented to National Governors' Association, Committee on Energy and Natural Resources, Winrock, Arkansas.

U.S. energy projections for the 1980's: presented to Texas Mid-Continent Oil and Gas Association, Houston and Corpus Christi, Texas.

1979

Exploration and public lands policy: growing conflicts: presented to American Association of Petroleum Geologists, Pacific Section, annual meeting, Anaheim, California.

Domestic energy sources: outlook for next decade: presented to Gas Processors Association annual meeting, Denver, Colorado.

Mexican oil and gas: presented to Austin Rotary Club; Austin Kiwanis; and Lakeway Club, Austin, Texas.

Uranium and the U.S. energy future: banquet address presented to American Institute of Metallurgical Engineers, South Texas Section, Corpus Christi, Texas.

Role of federal estate in energy and mineral production: banquet address presented to Sigma Xi, Stephen F. Austin State University, Nacogdoches, Texas.

Is registration necessary or desirable?: presented to American Association of Petroleum Geologists, Division of Professional Affairs, annual meeting, Houston, Texas.

Perspectives on energy: the world dilemma: presented to American College of Dentists, Texas Section, annual meeting, Austin, Texas.

Science and energy: getting from here to there: commencement address presented to College of Science, The University of Texas at Arlington, Arlington, Texas.

Coal and lignite in America's energy future: luncheon address presented to Tenth Biennial Lignite Symposium, sponsored by U.S. Department of Energy and University of North Dakota, Grand Forks, North Dakota.

Energy futures: presented to Texas Association of Life Insurance Officials annual meeting, San Antonio, Texas.

National energy policy issues: luncheon address presented at International Association of Drilling Contractors and Petroleum Equipment Suppliers Association Drilling/Production Conference, Dallas, Texas.

Energy and government: in conflict: luncheon address presented to Houston Geophysical Society, Houston, Texas.

The role and future of alternate energy resources: presented at Symposium on alternate energy resources, Gulf Coast Association of Geological Societies annual meeting, San Antonio, Texas.

Geology, geologists, and energy: Geology Building dedication presented to Southern Illinois University, Carbondale, Illinois.

Geothermal energy and geopressured methane: moving from resource to supply: keynote address presented at Fourth U.S. Gulf Coast Geopressured Geothermal Energy Conference, The University of Texas at Austin, Austin, Texas.

National energy policy issues: luncheon address presented to South Texas Geological Society, San Antonio, Texas.

Energy development and government regulations: presented at Society of Independent Professional Earth Scientists Meeting, Dallas, Texas; South Texas Geological Society, San Antonio, Texas; and Southeastern Geophysical Society, New Orleans, Louisiana.

Energy in Texas—future of a petro-state: presented at Dallas Chamber of Commerce Leadership Seminar, Dallas, Texas.

Energy sources—conventional and alternate: presented at Symposium on alternate energy resources, Gulf Coast Association of Geological Societies, San Antonio, Texas.

Exploration, science, and public policy—conflicts in the making: presented as American Association of Petroleum Geologists Distinguished Lecture before Dallas Geological Society, Dallas, Texas; Lafayette Geological Society, Lafayette, Louisiana; New Orleans Geological Society, New Orleans, Louisiana; Rocky Mountain Association of Geologists, Denver, Colorado; Roswell Geological Society, Roswell, New Mexico; South Texas Geological Society, San Antonio, Texas; and Tulsa Geological Society, Tulsa, Oklahoma.

Oil as a continuing energy resource: presented at Symposium on energy and the environment, Southwest Texas State University, San Marcos, Texas.

1978

Seismic stratigraphy and facies analysis in exploration: presented to West Texas Geological Society; South Texas Geological Society; The University of Texas at El Paso; and Abilene Geological Society, Abilene, Texas.

Geologic exploration and energy development: keynote address presented at Rocky Mountain Association of Geologists 1978 field conference and symposium on energy resources, Colorado Springs, Colorado.

Geothermal resources: the great methane debacle: presented at Symposium on the impact of the geosciences on critical energy, American Association for the Advancement of Science, Washington, D.C.

National oil strategy: presented at Utility Regulatory Conference, Washington, D.C.

Aspects of national energy policy: banquet address presented to Society of Exploration Geophysicists, Academic Liaison Seminar, Houston, Texas.

Energy and mineral resources: national capability in production: presented to El Paso Geological Society, El Paso, Texas.

Lignite and the national coal option: luncheon address presented at Conference on lignite, Ozarks Regional Commission, Little Rock, Arkansas.

National issues in energy: presented at 12th Annual Texas Legislative Conference, New Braunfels, Texas.

Perspectives on current energy policy and legislation: presented at American Petroleum Institute production meeting, Denver, Colorado.

Status of oil and gas in the continuing energy dilemma: presented at Fifth International Trade Conference, Houston, Texas.

Geologists and domestic energy development: banquet address presented at Geological Society of America, Rocky Mountain Section, Provo, Utah.

The dilemma of natural gas: presented to Texas Independent Producers and Royalty Owners, Lakeway, Texas.

Oil, gas, and land: presented to Houston Association of Petroleum Landmen, Houston, Texas.

Energy: is our government policy adequate?: presented to Texas Union Ideas and Issues Committee, The University of Texas at Austin, Texas.

Natural gas issues: presented at American Gas Association Communication Workshop, Houston, Texas.

Geology and resources of Texas: basis of varied development: presented to Institute of Texas Studies, Austin, Texas.

Factors in natural resource reorganization in the federal government: presented to Office of Management and Budget, Office of the President, Task Force, Austin, Texas.

1977

Texas lignite—projections and uncertainties: presented to Pioneer Oil Producers Society, Houston, Texas.

Energy—the role of Texas in the national program: presented at Third Annual West Texas Conference on State Affairs, San Angelo, Texas.

Energy and mineral supplies: is the United States' ability to produce declining?: keynote address presented to Asilomar Conference on contingency planning for material resources, Pacific Grove, California.

Energy from the Rockies: presented to American Association for the Advancement of Science Energy Symposium, Denver, Colorado.

Our challenge in resources: presented to Main Plenary Session on Food, Resources, Energy, and Environment, American Society for Engineering Education, annual meeting, Grand Forks, North Dakota.

Converting to coal: expectations and problems: presented to Americans for Energy Independence, Houston, Texas.

Our continuing crisis in energy: presented to Alumni 77, The University of Texas at Austin, Austin, Texas.

Alternatives in national energy policy: the challenge of sufficiency: annual banquet address presented to Texas Academy of Science, Waco, Texas.

A look at the National Energy Plan: presented to International Association of Geophysical Contractors annual meeting, Houston, Texas.

The energy agenda for Texas: presented to Second Annual Conference on Texas Energy Policies, Austin, Texas.

Energy: position of the South in the national picture: presented to Southern Legislative Conference of the Council of State Governments, Charleston, South Carolina.

Our unprecedented task in energy: avoiding a decade of decline: presented to Interstate Oil Compact Commission, Nashville, Tennessee.

Midway in the National Energy Plan: presented to Texas Independent Producers and Royalty Owners Association, El Paso, Texas.

Energy and growth: presented to Symposium on alternatives to confrontation, sponsored by LBJ Library and LBJ School of Public Affairs, Austin, Texas.

Energy in Texas: what lies ahead?: presented to Town and Gown, Austin, Texas.

Mining and national minerals policy: presented to National Western Mining Conference, Denver, Colorado.

Natural hazards in coastal regions: presented at Cousteau Involvement Day, Houston, Texas.

Texas and energy—a concern of the public sector: keynote address presented at geology building dedication, West Texas State University, Canyon, Texas.

1976

Energy sources: distribution and availability: presented to International Ex-Students' Conference on Energy, The University of Texas at Austin, Austin, Texas.

The coming crises in energy: keynote address presented to National Energy Forum, University of Akron, Akron, Ohio.

Energy options and exploration challenges: keynote address presented at Wyoming Geological Society annual meeting, Casper, Wyoming.

Oil and gas: The explorationist and institutional challenges: luncheon address presented at Independent Petroleum Association of Mountain States annual meeting, Denver, Colorado.

Energy—technology, science, and policy: presented at Society of Exploration Geophysicists annual meeting, Houston, Texas.

Energy research and development by the federal government: presented at Interstate Oil Compact Commission annual meeting, San Antonio, Texas.

Some factors in the future of copper: presented to American Institute of Mining Engineers, Tucson, Arizona.

Mining and minerals policy: banquet address presented to Colorado School of Mines 50th Anniversary Celebration, Golden, Colorado.

Today's energy picture: banquet address presented to National Association of Accountants, Washington, D.C.

Conflicts of national coal policy: presented at Coal Policy Symposium, Geological Society of America annual meeting, Denver, Colorado.

Energy policy and exploration challenges: keynote address presented at Gulf Coast Association of Geological Societies annual meeting, Shreveport, Louisiana.

Development of the Outer Continental Shelf: banquet address presented at Association of Engineering Geologists annual meeting, Cherry Hill, New Jersey.

Energy and minerals—role of the federal estate: presented at Federal Executives Institute, Charlottesville, Virginia.

Alternatives in energy policy: presented to New Mexico Oil and Gas Association annual meeting, Santa Fe, New Mexico.

Energy development in the West: the national perspective: Western Regional Press Seminar, Denver, Colorado.

Ocean mining and mineral resources: presented to American Mining Congress, Denver, Colorado.

Energy for electricity: today and tomorrow: presented at Pennsylvania Electric Association annual meeting, Philadelphia, Pennsylvania.

The future of domestic mining: presented to Northwest Mining Association, Coeur d'Alene, Idaho.

U.S. coal supplies: the outlook: presented at Southwest Regional Energy Conference, Dallas, Texas.

National coal policy: presented to Rocky Mountain Coal Association, Vail, Colorado.

Public power: policies and issues: presented at American Public Power Association annual meeting, Anaheim, California.

Ocean resources and the law of the sea: banquet address presented at Conference on commercial development of the ocean, Airlie House, Warrenton, Virginia.

Issues in national energy policy: keynote address presented at Texas Lignite Conference, The University of Texas at Austin, Austin, Texas.

Oil transportation and strategic storage: presented to International Petroleum Exposition, Tulsa, Oklahoma.

Exploration and the new Energy Policy and Conservation Act: Independent Petroleum Producers of America, Phoenix, Arizona.

Some policy issues with western coal: luncheon address presented at Symposium on Rocky Mountain coal, Colorado School of Mines, Golden, Colorado.

Mining law and federal land availability: presented to Arizona Geological Society, Tucson, Arizona.

1974

A look into the future: presented at Approaches to Environmental Geology, Workshop and Colloquium, sponsored by Bureau of Economic Geology, The University of Texas at Austin, Austin, Texas.

Approaches to environmental geology: presented at Approaches to Environmental Geology, Workshop and Colloquium, sponsored by Bureau of Economic Geology, The University of Texas at Austin, Austin, Texas.

Delta systems—genetic analysis in exploration: presented at American Association of Petroleum Geologists, annual meeting, San Antonio, Texas.

Facies analysis in stratigraphic exploration: presented at American Association of Petroleum Geologists, annual meeting, San Antonio, Texas.

Land use in the Texas Coastal Zone: presented at Texas A&M University, College Station, Texas.

Natural hazards in the Texas Coastal Zone: presented to the Water Resources Committee, East Texas Council, Orange, Texas.

Potential for geothermal resources, Texas: presented to Division of Planning Coordination, Office of the Governor and General Land Office, Austin, Texas.

Programs and activities of the Bureau of Economic Geology: presented at U.S. Geological Survey and Association of American State Geologists, Central United States, Joint Meeting, Estes Park, Colorado.

Terrigenous depositional systems—a genetic approach to facies analysis: presented as a lecture of the American Association of Petroleum Geologists Continuing Education Lectures, Dallas, Texas, and Houston, Texas.

The land in land-use management: presented at Association of Western States Land Commissioners, annual meeting, Lakeway, Texas.

1973

Analysis of land and water carrying capacity: presented to the Water Resources Committee, Gulf Coast Council, Corpus Christi, Texas.

An inventory for land-use planning: presented to League of Women Voters of Houston, Houston, Texas.

Clastic depositional systems—a genetic approach to facies analysis: presented to Permian Basin Graduate Center Symposium, Midland, Texas; and Rocky Mountain Association of Geologists, Denver, Colorado [as a lecture of the American Association of Petroleum Geologists Continuing Education Lecture Series]; and to the Wyoming Geological Association, Casper, Wyoming.

Deltaic and related depositional systems of the Texas Gulf Coast Basin: presented to Tulsa Geological Society, Bartlesville, Oklahoma.

Depositional systems—a genetic approach to facies analysis in mineral exploration: presented as a lecture of the Southern Illinois University Visiting Lecture Series, at Southern Illinois University, Carbondale, Illinois.

Environmental carrying capacity—a geologic basis for management in the Texas Coastal Zone: presented to symposium on Geology and Management in the Coastal Zone, Geological Society of America, annual meeting, Dallas, Texas.

Environmental geology of the Texas Coastal Zone: presented as a lecture of the Southern Illinois University Visiting Lecture Series, at Southern Illinois University, Carbondale, Illinois.

Geologic projection in the management of lands and environmental resources: presented as a lecture of the Southern Illinois University Visiting Lecture Series, at Southern Illinois University, Carbondale, Illinois.

Geology in environmental decision making: presented to Geological Society of America, Penrose Conference on Earth Sciences and Environmental Decision Making, Vail, Colorado.

Land inventory and management in Texas: presented to the Eighth Annual Governor's Conference on Intergovernmental Relations and Regional Planning, Houston, Texas.

Land resources inventory in Texas: presented to the Land Resource Management Advisory Committee, Interagency Council on Natural Resources and the Environment, Austin, Texas.

Lignite resource and utilization: presented to City of Austin, Energy Study Committee, Austin, Texas.

Models of deposition—principal clastic systems: presented as a lecture of the Southern Illinois University Visiting Lecture Series, at Southern Illinois University, Carbondale, Illinois.

Public geological research in Texas: presented to Department of Geology, The University of Texas at Arlington, Arlington, Texas.

Resource use and environmental quality—toward a rational policy: presented to the Environmental Education Workshop, Education Service Center, Region XIII, Austin, Texas.

Role of earth scientists in environmental protection: presented to Society of Independent Professional Earth Scientists, annual meeting, New Orleans, Louisiana.

Scientific training in marine resources: presented to Student Conference on Marine Affairs, Texas A&M University, Galveston, Texas.

The coast of Texas: presented to Management of Natural Resources, Texas Federation of Women's Clubs, Austin, Texas.

The relation of land and water resources in the Texas Gulf Coast area: presented to the Water Resources Committee, Gulf Coast Council, Houston, Texas.

The role of public geological research in Texas: presented to the West Texas Geological Society, Midland, Texas.

The structure of research in the university and state government: presented to The National Council of University Research Administrators, Region V, Austin, Texas.

1972

Ancient and modern delta systems in the Gulf Coast Basin: University of Arizona, Tucson, Arizona.

Approaches to land resource inventory and management: Conference on Land Resource Management, Division of Planning Coordination, Office of the Governor, San Antonio, Texas.

Delta systems in the exploration for oil and gas: Bureau of Economic Geology Continuing Education Short Course, Corpus Christi Geological Society, Corpus Christi, Texas; Houston Geological Society, Houston, Texas; and South Texas Geological Society, San Antonio, Texas.

Deltaic sedimentation: Sociedade Brasileira de Geologia, Salvador, Bahia, Brazil.

Depositional systems in the Carrizo-Upper Wilcox of Texas and their relation to occurrence of oil and gas: South Texas Geological Society, San Antonio, Texas; and Corpus Christi Geological Society, Corpus Christi, Texas.

Environmental geology of the Texas Coastal Zone: Conference on the Texas Coastal Zone, Division of Natural Resources and Environment, The University of Texas at Austin, Austin, Texas.

Environmental mapping and analysis: Texas Water Development Board, Austin, Texas.

Environmental mapping and resource management, Texas Coastal Zone: Pipeliners Club, Houston, Texas.

Fluvial and deltaic depositional systems: Seminar, The University of Texas at Dallas, Dallas, Texas.

Genetic approaches to facies analyses—establishing new frontiers in mature oil and gas basins: Interstate Oil Compact Commission, annual meeting, Houston, Texas.

Geologic research in Texas: The University of Texas at El Paso, El Paso, Texas.

Resource use and environmental quality—toward a rational policy: Environmental Education Workshop, sponsored by Dallas Metropolitan Schools and Texas Mid-Continent Oil and Gas Association, Dallas, Texas.

Terrigenous clastic depositional systems—genetic approach to facies analysis in mineral exploration: American Association of Petroleum Geologists, Continuing Education Short Course, Los Angeles Basin Geological Society, Los Angeles, California; and The University of Texas at Austin Extension Course, Permian Basin Graduate Center, Midland, Texas.

The environmental trail—a geologic imperative: Geological Society of America, Southeast Section, annual meeting, banquet address, Tuscaloosa, Alabama.

The technical base to land-use planning: American Association of Civil Engineers, Fort Worth, Texas.

Traditions and departures in geologic and related mapping: Texas Surveyors Association, Annual Meeting and Short Course, Houston, Texas.

Uranium production, development, and potential in Texas: Southern Interstate Nuclear Board, annual meeting, Austin, Texas.

1971

Activities of the Bureau of Economic Geology: The University of Texas at El Paso, Geology Technical Session, El Paso, Texas.

Ancient delta systems of the Gulf of Mexico Basin and their relation to mineral exploration [American Association of Petroleum Geologists Distinguished Lecture]: Alberta Society of Petroleum Geologists, Calgary, Alberta, Canada; and Alaska Geological Society, Anchorage, Alaska; and Arizona State University, Tempe, Arizona; and Corpus Christi Geological Society, Corpus Christi, Texas; and Dallas Geological Society, Dallas, Texas; and The Edmonton Geological Society, Edmonton, Alberta, Canada; and Four Corners Geological Society, Durango, Colorado; and The Liberal Geological Society, Inc., Liberal, Kansas; and Nebraska Geological Society—University of Nebraska, Lincoln, Nebraska; and Oklahoma City Geological Society, Oklahoma City, Oklahoma; and Panhandle Geological Society, Amarillo, Texas; and Rocky Mountain Association of Geologists, Denver, Colorado; and South Texas Geological Society, San Antonio, Texas; and Sul Ross State University, Alpine, Texas; and University of Alaska, Fairbanks, Alaska; and University of Oregon, Eugene, Oregon; and University of South Dakota, Vermillion, South Dakota; and West Texas Geological Society, Midland, Texas; and Wyoming Geological Association, Casper, Wyoming.

Environmental geologic mapping, Texas Coastal Zone: Texas Mapping Advisory Committee, Austin, Texas; and Texas Water Development Board, Austin, Texas; and Interagency Council on Natural Resources and Environment, Austin, Texas; and Alamo Area Council of Governments, San Antonio, Texas; and Texas Water Development Board Environmental Advisory Panel, Austin, Texas.

Environmental geology and coastal zone management: Coastal & Shallow Water Research Conference, Louisiana State University, Baton Rouge, Louisiana.

Geology and the environment: Texas Outdoor Writers Association Seminar, ‘‘Environment and the Press,’’ Austin, Texas.

Some aspects of environmental education: Texas Advisory Council on Environmental Education, Winedale Inn, Roundtop, Texas.

Terrigenous depositional systems—a genetic approach to facies analysis and mineral exploration: American Association of Petroleum Geologists Continuing Education Program, Rio de Janiero, Brazil.

Tertiary depositional systems of the Gulf of Mexico Basin: American Association of Petroleum Geologists, Southwest Section, annual meeting, Abilene, Texas.

1970

Ancient delta systems of the Gulf of Mexico Basin [American Association of Petroleum Geologists Distinguished Lecture]: Alabama Geological Society, Tuscaloosa, Alabama; and Geological Society of Kentucky, Louisville, Kentucky; and Lafayette Geological Society, Lafayette, Louisiana; and Logan Club, Ottawa, Ontario, Canada; and Louisiana State University, Baton Rouge, Louisiana; and Memphis State University, Memphis, Tennessee; and Northern Illinois University, DeKalb, Illinois; and Ohio State University, Columbus, Ohio; and Pittsburgh Geological Society, Pittsburgh, Pennsylvania; and Syracuse University, Syracuse, New York.

Delta systems in exploration for oil, gas, and other minerals: Permian Basin Graduate Center, Midland, Texas; and Shreveport Geological Society, Shreveport, Louisiana.

Depositional systems of the Texas Gulf Coast Basin: Shreveport Geological Society, Shreveport, Louisiana.

Texas natural resources—undeveloped potential for rural areas: Texas Industrial Commission, Houston, Texas.

Environmental Geology of the Texas Coastal Zone: American Geological Institute Short Course, Milwaukee, Wisconsin.

1969

Eocene depositional systems of the Gulf Coast Basin: their relation to oil and gas: Houston Geological Society, Houston, Texas.

Mineral exploration in South Texas: American Institute of Mining, Metallurgical, and Petroleum Engineers, Society of Petroleum Engineers, Balcones Section, Austin, Texas.

Mineral industries of South Texas—status and outlook: American Institute of Mining, Metallurgical, and Petroleum Engineers, Society of Petroleum Engineers, Southwest Texas Section, Spring Symposium, Corpus Christi, Texas.

Infilling of the Gulf Coast Basin: Department of Geological Sciences Technical Sessions, The University of Texas at Austin, Austin, Texas.

Tertiary delta systems of the Gulf Coast Basin and their relation to oil and gas occurrence: Society of Economic Paleontologists and Mineralogists, Permian Basin Section, Midland, Texas.

1968

Depositional history of the Wilcox Group in Texas: Sigma Gamma Epsilon Chapter at The University of Texas at Arlington, Arlington, Texas.

Depositional systems in the Wilcox Group of Texas: Austin Geological Society, Austin, Texas.

Essential features of nonmetallic industrial minerals: A.I.M.E., Texas Gulf Coast Section, Houston, Texas.

Basic delta systems in the Eocene of the Gulf Coast Basin: Gulf Coast Association of Geological Societies, annual meeting, Jackson, Mississippi.

Nonmetallic industrial minerals—examples of diversity and quantity: American Mining Congress, annual meeting, Las Vegas, Nevada.

Variation of lignites of fluvial, deltaic, and lagoonal systems, Wilcox Group (Eocene), Texas: Geological Society of America, annual meeting, Mexico City, Mexico.

Mineral industry potential of Fort Stockton area, Texas: Texas Industrial Commission, Industrial Planning Seminar, Austin, Texas.

Depositional systems of the Wilcox Group of Texas and their relationship to the occurrence of oil and gas: Corpus Christi Geological Society, Corpus Christi, Texas; and East Texas Geological Society, Tyler, Texas; and International Geological Society, Rio Grande Valley, McAllen, Texas; and South Texas Geological Society, San Antonio, Texas; and Houston Geological Society, Houston, Texas.

1967

The minerals of Texas—a nonrenewable resource: Resource-Use Education Workshop, Fort Worth, Texas.

Stratigraphy and genesis of Edwards Dolomite of Texas: Forum on Geology of Industrial Minerals, 3d Annual, The University of Kansas, Lawrence, Kansas.

Mineral resources of Texas: Texas Small Schools Project, 8th Summer Workshop, Austin, Texas.

Depositional systems in lower part of Wilcox Group, Eocene, Texas: The University of Texas at Austin, Department of Geology, Technical Session, Austin, Texas.

Depositional systems in the Wilcox Group of Texas and their relationship to occurrence of oil and gas: Gulf Coast Association of Geological Societies, annual meeting, San Antonio, Texas.

Depositional history and oil and gas trends in the Lower Wilcox Group: Lafayette Geological Society, Lafayette, Louisiana.

Lower Eocene lagoonal systems in the Texas Gulf Coast Basin: UNESCO Symposium on Coastal Lagoons, Mexico, D. F.

Depositional systems in the Wilcox Group and their relationship to oil and gas occurrence: Mississippi Geological Society, Jackson, Mississippi.

1965

Geology of the Texas Gulf Coast province: Interstate Oil Compact Commission, annual meeting, Corpus Christi, Texas.

Mineral resources and mineral industries of Eastland County: Eastland County Pilot Industrial Development Program, Eastland, Texas.

Potential development of natural resources of south Texas: South Texas Electric Cooperative, Texas Industrial Planning Seminar, Austin, Texas.

The search for nonfuel minerals: South Texas Geological Society, San Antonio, Texas.

1964

Mineral resources in community industrial development: General Telephone Company Economic Development Conference, San Angelo, Texas.

Conservation and mineral resources: Summer Conservation Workshop, Sul Ross State College, Alpine, Texas.

The search for nonfuel minerals: Corpus Christi Geological Society, Corpus Christi, Texas.

1962

Formational boundaries in the western Grand Canyon, Arizona: Geological Society of America, annual meeting, Houston, Texas.

1961

Evolution of Athleta Petrosa Stock: Geological Society of America, annual meeting, Cincinnati, Ohio.

CONGRESSIONAL, LEGISLATIVE, AND SPECIAL TESTIMONY

2008

World oil supply and impact on transportation: presented to Joint Texas House-Senate Legislative Study Committee on Private Participation in Toll Projects, San Antonio, Texas

2006

Proposal for an Earth and Space Science course as fourth year high school option: presented to State Board of Education, Austin, Texas

2004

Importance of the earth sciences in Texas school curricula: presented to Texas State Board of Education, Austin, Texas

2000

The future of the Texas oil and gas industry: presented to Texas Energy Coordination Council on behalf of Texas Senate Natural Resources Committee, Austin, Texas. (with Scott W. Tinker)

1996

Status of domestic oil and gas: U.S. House of Representatives, Committee on Resources, Houston, Texas.

1995

Oil and gas resources of the Alaska National Wildlife Refuge (ANWR): presented to U.S. Senate Committee on Energy and Natural Resources, Washington, D.C.

1994

Statement on Outer Continental Shelf activity and current state of domestic gas and oil industry: presented to U.S. House of Representatives Committee on Natural Resources, George Miller, Chairman.

Statement on Outer Continental Shelf activity and current state of domestic gas and oil industry: presented to U.S. House of Representatives Committee on Natural Resources, Washington, D.C.

Statement on national energy policy issues: presented to Department of Energy Hearings on National Energy Plan, Austin, Texas.

1993

Statement on current state of the oil and gas industry: presented to U.S. Senate Committee on Energy and Natural Resources, J. Bennett Johnson, Chairman, Houston, Texas.

Statement on HB1221, Texas Geologists and Geophysicists Registration Act: presented to State Affairs Committee, Texas House of Representatives, Austin, Texas.

1992

Statement on President's economic plan and tax proposals: presented to Finance Committee, Lloyd Bentsen, Chairman, U.S. Senate, Washington, D.C.

1991

The improved oil recovery programs of the National Energy Strategy: presented to the U.S. House of Representatives, Committee on Interior and Insular Affairs, Subcommittee on Energy and the Environment.

1990

Technical issues in management and use of Edwards aquifer: report of Technical Advisory Panel to Special Committee on Edwards Aquifer, Texas Senate and House of Representatives, Austin, Texas.

1989

Testimony on enhanced oil recovery, S.828: presented to U.S. Senate, Committee on Finance, Subcommittee on Energy and Agricultural Taxation.

U.S. Resource Base and production capabilities for oil and natural gas: U.S. Department of Energy, Energy Strategy Hearings, Houston, Texas.

1988

Testimony on FY 1989 Budget authorizations: presented to U.S. House of Representatives, Committee on Science, Space, and Technology, Subcommittee on Energy Research and Development, Washington, D.C.

Testimony on FY 1989 Budget appropriations: presented to U.S. House of Representatives, Committee on Appropriations, Subcommittee on Interior and Related Agencies, Washington, D.C.

Testimony to Field hearings on status of energy production in U.S.: presented to U.S. House of Representatives, Committee on Science, Space and Technology, Subcommittee on Energy Research and Development, Marshall, Texas.

1987

Geoscience research for the sustained stable production of oil and gas in the U.S.: presented to U.S. House of Representatives, Committee on Science, Space and Technology, Subcommittee on Energy—Research and Development, Washington, D.C.

Production impacts of low oil prices: presented to U.S. Senate, Committee on Finance, Subcommittee on Energy and Agricultural Taxation.

Tax incentives and floor prices in oil stabilization: presented to U.S. Senate, Committee on Finance, Subcommittee on Energy and Agricultural Taxation, Washington. (with C. J. Mankin)

Energy research and development funding: presented to U.S. House of Representatives, Committee on Science, Space, and Technology, Subcommittee on Energy Research and Development, Washington. (with C. J. Mankin)

Energy research and development funding: presented to U.S. House of Representatives, Committee on Appropriations, Washington. (with C. J. Mankin)

Energy research and development funding: presented to U.S. Senate, Committee on Energy and Natural Resources, Subcommittee on Energy Research and Development, Washington. (with C. J. Mankin)

Energy research and development funding: presented to U.S. Senate, Committee on Appropriations, Subcommittee on Energy and Water Development, Washington. (with C. J. Mankin)

Energy research and development funding: presented to U.S. Senate, Committee on Appropriations, Subcommittee on Interior and Related Agencies, Washington.

Testimony on committee substitute, S.B. 328 relating to promoting economic development in the state: presented to Texas Senate, Committee on Natural Resources, Austin.

Rigs to reefs: presented to Texas Senate, Committee on Natural Resources, Corpus Christi.

Testimony on S.B. 33 (oil overcharge): Texas Senate, Committee on Finance.

1986

Testimony on the Continental Scientific Deep-Drilling Program, S.1026: presented to U.S. Senate, Committee on Energy and Natural Resources, Subcommittee on Energy Development and Production. (with R. J. Finley)

Oil and gas production capability in Texas: presented to Texas House of Representatives, Energy Committee, Austin. (with Commissioner Mack Wallace)

Production impacts and national security: presented to U.S. House of Representatives Budget Committee, Dallas (with Commissioner Mack Wallace)

The variable import tariff: presented to U.S. Senate, Energy and Natural Resources Committee, Washington.

The impact of today's low oil prices on tomorrow's: presented to U.S. House of Representatives, Fossil and Synthetic Fuel Subcommittee on Energy and Commerce Committee, Washington.

Production impacts on the independent operator: presented to U.S. House of Representatives, Small Business Committee, Abilene.

The high cost of low oil prices: presented to Governors' Summit Conference on Energy, Las Colinas, Texas.

1985

Texas House of Representatives, Energy Committee: hearings on unitization of Texas oil reservoirs.

1984

U.S. House of Representatives, Subcommittee on Panama Canal/Outer Continental Shelf, Carol Hubbard, Chairman: statement on onshore impacts from OCS development (on behalf of Governor Mark White).

1983

U.S. Senate, Committee on Energy and Natural Resources, James McClure, Chairman: testimony on S.615, natural gas legislation.

Texas Senate, Committee on Nominations: confirmation hearings on appointment to Texas Low-Level Radioactive Waste Disposal Authority.

1982

U.S. Federal Energy Regulatory Commission: ''High-cost natural gas produced from intermediate deep drilling,'' Washington, D.C. (on behalf of Governor William P.

Clements).(with Commissioner Mack Wallace, Texas Railroad Commission, and Walt Rostow, The University of Texas at Austin)

U.S. House of Representatives, Subcommittee on Fossil and Synthetic Fuels: Hearings on Natural Gas Policy Act, Phillip Sharp, Chairman, Washington, D.C. (on behalf of Governor William P. Clements and Lieutenant Governor William P. Hobby).

U.S. House of Representatives, Committee on the Outer Continental Shelf and Panama Canal: Oversight Hearings on the Outer Continental Shelf, Carroll Hubbard, Chairman, Houston, Texas (on behalf of Governor of William P. Clements).

Texas Senate Committee on Natural Resources, ''Bureau of Economic Geology: role in DOE nuclear waste disposal site activities in the Palo Duro Area, Texas,'' Amarillo, Texas.

Texas Energy and Natural Resources Advisory Council: ''Status of high-level waste studies in Texas,'' Austin, Texas.

Texas Energy and Natural Resources Advisory Council: ''Lignite production to year 2000,'' Austin, Texas.

1981

U.S. Senate, Joint Committee on Energy & Natural Resources and Environment and Public Works: ''High-level nuclear waste disposal,'' Washington, D.C. (on behalf of Governor William P. Clements).

Federal Energy Regulatory Commission hearings: ''Geologic and engineering considerations in definition of tight gas reservoirs,'' Santa Fe, New Mexico.

Texas Energy and Natural Resources Advisory Council: ''Status of high-level waste feasibility studies in Texas,'' Austin, Texas.

1980

Interstate Oil Compact Commission, Committee on Production Policy: ''Recovering unrecovered oil,'' Dallas, Texas.

Texas Coastal and Marine Council: ''Status of mapping and inventory, Texas Coastal Zone,'' Galveston, Texas.

Texas Department of Health hearings: ''Geologic factors in solid waste disposal,'' Rosenberg, Texas.

1979

U.S. Senate, Committee on Governmental Affairs: ''Natural Gas Policy Act.''

(with Lieutenant Governor William P. Hobby, Commissioner Mack Wallace, and W. W. Rostow)

U.S. Senate, Committee on Energy and Natural Resources, Henry M. Jackson, Chairman: ''National energy policy.''(with Lieutenant Governor William P. Hobby, Commissioner Mack Wallace, and W. W. Rostow)

U.S. House of Representatives, Subcommittee on Energy and Power, Committee on Interstate and Foreign Commerce, John Dingell, Chairman: ''Oil decontrol.''

U.S. Department of Transportation: ‘‘Projected terminal volumes,’’ Texas Deep Water Port Authority.

Texas Energy Advisory Council: ‘‘Lignite development in Texas.’’(with W. W. Rostow)

Texas Energy Advisory Council: ‘‘The energy situation in light of the Iranian crisis.’’

Texas House of Representatives, Committee on Energy Resources, Joe Hanna, Chairman: ‘‘Texas oil and gas reserves and resources.’’

Texas House of Representatives, Committee on Ways and Means: ‘‘Uranium Reserves in Texas.’’

1978

Texas House of Representatives, Interim Committee on Energy, James Nowlin, Chairman: ‘‘Energy reserves and resources in Texas.’’

Texas House of Representatives, Interim Committee on Energy, James Nowlin, Chairman: ‘‘Energy research activities at The University of Texas at Austin.’’

1977

Texas House of Representatives, Committee on State Affairs: ‘‘Texas coastal hazards and public disclosure.’’

Texas Senate, Committee on Economic Development: ‘‘Texas coastal natural hazards.’’

U.S. Senate, Committee on Energy and Natural Resources, Henry M. Jackson, Chairman: ‘‘National energy issues.’’(with Commissioner Mack Wallace)

U.S. House of Representatives, Committee on Interstate and Foreign Commerce, Subcommittee on Energy and Power, John Dingell, Chairman: ‘‘Texas and national energy issues.’’(with Governor Dolph Briscoe)

U.S. House of Representatives, Committee on Interstate and Foreign Commerce, Subcommittee on Energy and Power, John Dingell, Chairman: ‘‘National energy policy and issues.’’

U.S. House of Representatives, Committee on Merchant Marine and Fisheries, Subcommittee on Oceanography, John Breaux, Chairman: ‘‘National ocean mining policy.’’

1976

U.S. House of Representatives, Committee on Government Operations, Subcommittee on Conservation, Energy, and Natural Resources, William S. Mooreland, Chairman: ‘‘Energy information and analysis.’’

National Commission on Supplies and Shortages, Donald Rice, Chairman: ‘‘Minerals data and policy analysis.’’

U.S. Senate, Joint Committee, Commerce and Interior and Insular Affairs, Warren Magnuson and Henry M. Jackson, Chairmen: Transportation and distribution of Alaskan crude oil.(with Secretary Thomas S. Kleppe)

U.S. House of Representatives, Ad Hoc Committee on the Outer Continental Shelf, John Murphy, Chairman: ‘‘Amendments to the OCS Lands Acts of 1954.’’

U.S. House of Representatives, Committee on Interior and Insular Affairs, Subcommittee on Public Lands, John Melcher, Chairman: ‘‘Transportation and distribution of Alaskan oil.’’

U.S. Congress, Technology Assessment Board: ‘‘Technological assessment activities in the Department of the Interior.’’

U.S. House of Representatives, Committee on Interstate and Foreign Commerce, Subcommittee on Energy and Power, John Dingell, Chairman: ‘‘Alaskan natural gas transportation system.’’

U.S. House of Representatives, Committee on Education and Labor, Subcommittee on Manpower, Compensation, Health, and Safety, Dominick Daniels, Chairman: ‘‘Coal Mine Health and Safety Act Amendments.’’

U.S. Senate, Committee on Labor and Public Welfare, Subcommittee on Labor, Harrison Williams, Chairman: ‘‘Coal Mine Health and Safety Act Amendments.’’

U.S. Senate, Committee on Labor and Public Welfare, Subcommittee on Labor, Harrison Williams, Chairman: ‘‘Scotia mine disaster.’’

U.S. House of Representatives, Committee on Science and Technology, Subcommittee on Energy Research, Development, and Demonstration, Ken Hechler, Chairman: ‘‘Synthetic fuel subsidies. (with Secretary Thomas S. Kleppe)

U.S. House of Representatives, Committee on Appropriations, Subcommittee on Public Works, Joe L. Evins, Chairman: ‘‘Public power agencies budget hearings.’’

U.S. House of Representatives, Committee on Merchant Marine and Fisheries, Subcommittee on Oceanography, John Murphy, Chairman: ‘‘National oceans policies.’’(with Secretary Thomas S. Kleppe)

U.S. Senate, Committee on Appropriations, Interior Subcommittee, Robert C. Byrd, Chairman: ‘‘Department of the Interior budget hearings.’’

U.S. House of Representatives, Committee on Appropriations, Subcommittee on Interior and Related Agencies, Sidney R. Yates, Chairman: ‘‘U.S. Bureau of Mines budget hearings.’’

U.S. House of Representatives, Committee on Appropriations, Subcommittee on Interior and Related Agencies, Sidney R. Yates, Chairman: ‘‘U.S. Geological Survey budget hearings.’’

U.S. House of Representatives, Committee on Appropriations, Subcommittee on Interior and Related Agencies, Sidney R. Yates, Chairman: ‘‘Mining Enforcement and Safety Administration budget hearings.’’

U.S. House of Representatives, Committee on Appropriations, Subcommittee on Interior and Related Agencies, Sidney R. Yates, Chairman: ‘‘Energy and minerals appropriation.’’

U.S. Senate, Committee on Interior and Insular Affairs, Henry M. Jackson, Chairman: ‘‘Energy Information Act, S.1865.’’

U.S. Senate, Joint Interior and Insular Affairs/Commerce Committee, Henry Jackson and Warren Magnuson, Chairmen: ‘‘Alaska natural gas transportation system.’’

U.S. Senate, Committee on Energy and Natural Resources, W. L. Fisher confirmation hearings.

1975

U.S. House of Representatives, Energy and Power Subcommittee, Committee on Interstate and Foreign Commerce, John Dingell, Chairman: ‘‘Natural gas reserves and production.’’

1974

Land Use Study Subcommittee, Intergovernmental Affairs Committee, Texas House of Representatives, Lyndon Olson, Jr., Chairman: ‘‘Land use management criteria.’’

1973

Intergovernmental Affairs Committee, Local Government and Urban Affairs Subcommittee, Texas House of Representatives, Lyndon Olson, Jr., and Ray Hutchison, Co-Chairmen: ‘‘Land resources of Texas.’’

Committee on Natural Resources, Texas House of Representatives, Gibson D. Lewis, Chairman: ‘‘Texas land resources.’’

Committee on Natural Resources, Texas Senate, Max Sherman, Chairman: ‘‘Water resources and land carrying capacity.’’

Water Resources Committee, Gulf Coast Subcommittee, Texas Senate and Office of the Lieutenant Governor, W. N. Patman, Chairman: ‘‘Water resources of Texas Gulf Coast.’’

Council on Marine Related Affairs, Texas Senate, A. R. Schwartz, Chairman: ‘‘Coastal Zone resources.’’

Water Resources Committee, Gulf Coast Council, Senator William N. Patman, Chairman: ‘‘The relation of land and water resources in the Texas Gulf Coast area" and "Analysis of land and water carrying capacity.’’

Committee on Natural Resources, Texas House of Representatives: ‘‘Land surface subsidence in the Texas Coastal Zone.’’

Local Government and Urban Affairs Subcommittee of Intergovernmental Affairs Committee, Texas House of Representatives, James Kaster, Chairman: ‘‘Land use problems and status of land inventory program in Texas.’’

Public Hearing, 1973 Outer Continental Shelf, East Texas General Oil and Gas Lease Sale: statement to the Bureau of Land Management, U.S. Department of the Interior.

Interim Committee on Solid Waste Study of the Texas House of Representatives, Vernon Stewart, Chairman: ‘‘Factors in the landfill disposal of solid wastes.’’

Council on Marine Related Affairs, Texas Legislature, A. R. Schwartz, Chairman: ‘‘Land surface subsidence in the Texas Coastal Zone.’’

Committee on Natural Resources, Texas Senate, Max Sherman, Chairman: ‘‘The Texas barrier island dunes: role in coastal protection.’’

1972

Statement to the Secretary of State’s Advisory Subcommittee on the 1972 United Nations Conference on the Human Environment: ‘‘Resource capability and environmental quality—the role of geologic monitoring.’’

Interim Committee on Solid Waste Study of the Texas House of Representatives, Vernon Stewart, Chairman: ‘‘Geologic and engineering criteria in solid waste disposal.’’

Interim Committee on Land Use Management of the Texas House of Representatives, Bill Clayton, Chairman: ‘‘Resource capability—the technical base for land management.’’

Interim Committee on Environmental Matters of the Texas Senate, Murray Watson, Chairman: ‘‘Programs in environmental science.’’

Interim Committee on Coastal and Marine Resources, Ray Lemmon, Chairman: ‘‘Organization and Coastal Zone programs.’’

Interim Coastal Zone Study Committee of the Texas Senate, A. R. Schwartz, Chairman: ‘‘Beach and shoreline processes in the Texas Coastal Zone: their relationship to land use and park planning.’’

NATIONAL MEDIA AND FILMED APPEARANCES

Jefferson Energy Foundation, ‘‘Oil: Recurring Problem or New Potential?’”PBS, Washington, D.C., 1990.

NOVA,‘‘The World Full of Oil,’’ PBS, Boston, Season 16, Episode 9, March 21, 1989 http://www.tvguide.com/tvshows/nova/episode-9-season-16/ the-world-is-full-of- oil/191695/’ also on YouTube

Lone Star, ‘‘Oil History in Texas,’’ PBS, Austin, 1985.

Testimony on President’s economic plan and tax proposals: presented to Finance Committee, Lloyd Bentsen, Chairman, U.S. Senate, Washington, D.C.

https://www.c-span.org/video/?24391-1/budget-economic-recovery-program

MacNeil-Lehrer News Hour, ‘‘Outer Continental Shelf Issues,’’ PBS, Washington, D.C.

National Public Radio, “Technology in the Oil Patch,” 1998.

President Reagan’s Photo Opportunity with White House Science Council in Oval Office, January 17, 1989, Master Tape 219. Youtube. Courtesty Ronald Reagan Presidential Library

News Hour with Jim Lehrer, “The President’s Energy Plan,” PBS, Washington, D.C., 20

National Public Radio “Chevron Discovery, Gulf of Mexico,” 2006

British Broadcasting Corporation Radio, “Peak Oil and other Energy Issues,” 2006

The American Revolution in Unconventional Oil and Natural Continues” presentation to National Centre for Groundwater Research and Training, Flinder University,Adelaide, Australia, 2015, vimeo.com/12620575

Unconventional shale oil and gas: Experiences in the USA: Presented to

Australian Academy of Technological Science and Technology Unconventional Gas Public Forum, University of New South Wales, Kensington, NSW, 2015 www.youtube.com/watch?v=ul63qUTrk-M

American Association of Petroleum Geologists GeoLegends Interview, 2017 http://100years.aapg.org/geolegends/videos