

William E. Galloway

Professional Summary

November 1, 2009

Personal

Born October 8, 1944, Waco, Texas; married, two children.

Business address: The University of Texas at Austin  
Institute for Geophysics  
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Academic Background

B.S. Geology, Texas A&M University, 1966

M.A. Geology, The University of Texas at Austin, 1968

Ph.D. Geology, The University of Texas at Austin, 1971

Areas of Expertise

- A. Sedimentation; physical stratigraphy; mineral fuels; hydrogeology, seismic stratigraphy.
- B. Research activities:
  - 1. Integration of geologic, geophysical, and petrophysical data for basin analysis, petroleum and ground-water resource evaluation and reservoir characterization.
  - 2. Depositional history and framework of the Gulf of Mexico basin.
  - 3. Terrigenous clastic depositional systems and sequence stratigraphy.
  - 4. Submarine slope systems and facies.
  - 5. Sedimentology, stratigraphy, and ground-water flow history of sedimentary uranium deposits.

Professional Work Experience

- A. Present Positions: Morgan Davis Centennial Chair in Petroleum Geology, Emeritus, Department of Geological Sciences; Research Professor, Institute for Geophysics.  
Energy resources and sedimentary geology research, research management, and teaching.
- B. Research Scientist, Bureau of Economic Geology, The University of Texas at Austin (November 1975–August 1983).  
Energy resources research, research management, and teaching.
- C. Klabzuba Visiting Professor of Geology and Geophysics, University of Oklahoma, Norman, Oklahoma (Fall 1981).  
Teaching graduate course in terrigenous clastic depositional systems.
- D. Director, Geologic Section, Exploration Research Division, Continental Oil Company, Ponca City, Oklahoma (May 1975–November 1975).  
Assemble, document, budget, and initiate a diversified geological research program for a newly formed research group of 14 scientists and technicians.

- E. Research Group Supervisor, Exploration Research Division, Geointerpretation Section, Continental Oil Company, Ponca City, Oklahoma (April 1973–May 1975).  
Direct geological applications research in integrated geological/geophysical projects.
- F. Research Scientist, Exploration Research Division, Geologic Section, Continental Oil Company, Ponca City, Oklahoma (September 1970–April 1973).  
Originate and carry out broad-spectrum geological research programs in clastic stratigraphy and sedimentation.

#### Professional Societies

American Association of Petroleum Geologists  
Gulf Coast Section, SEPM (Society for Sedimentary Geology), Honorary Member

#### Awards

SEPM Society for Sedimentary Geology Twenhofel Medal, 2009.

Gulf Coast Association of Geological Societies and GCSSEPM, Gordon I. Atwater Best Poster Award, Second Place, 2006

American Association of Petroleum Geologists, Grover E. Murray Distinguished Educator Award, 2004

Gulf Coast Section SEPM, Honorary Membership, 2002

Bureau of Economic Geology Outstanding Alumni Award, 2002

Gulf Coast Association of Geological Societies, Outstanding Educator Award, 1993

American Association of Petroleum Geologists, A. I. Levorsen Memorial Award, 1977, 1986

American Association of Petroleum Geologists, Distinguished Lecturer, 1985–1986

American Association of Petroleum Geologists, Wallace Pratt Memorial Award, 1983

American Association of Petroleum Geologists, Energy Minerals Division, Best Paper Award, 1979

#### Committee Responsibilities or Professional Activities

##### Professional

Research Council of Norway, Appointed Referee 2000-2004

Project Reviewer, Australian Research Council, 2000-2003

SEPM Wilson Award Committee, 2000-2002.

SEPM Research Concepts Committee, 1998–2000.

SEPM Technical Program Chairman, 1999 AAPG/SEPM Convention.

Pettijohn Award Committee, SEPM (Society for Sedimentary Geology), 1993–1994

Book manuscript reviewer, Macmillan Publishing Company, 1991, 1992

Committee for Gulf of Mexico volume of the *Decade of North American Geology* series, Geological Society of America, 1983–1989

External Review Committee, University of Oklahoma, 1988

Technical consultant for *Earth and Sky* radio series, 1995–present

Proposal reviewer for National Science Foundation, American Chemical Society, and Natural Sciences and Engineering Research Council of Canada

#### University

Graduate Advisor—Department of Geological Sciences, 1992–1995; Associate Graduate Advisor, 1995–2002

Committee for Review of Candidates for Director of Bureau of Economic Geology, 1999

New Directions Task Force—Department of Geological Sciences, 1996–1998

Outstanding Doctoral Dissertation Selection Committee (Natural Sciences, Engineering, Pharmacy), 1996, 1997

BEG Review Committee—Office of the Vice President for Research, 1996

Committee for Review of Candidates for Director of Bureau of Economic Geology, 1994

Admissions and Support Committee—Department of Geological Sciences, 1988–1994, 1998–present

Promotion and Tenure Committee—College of Natural Sciences, 1986–1988

Graduate Studies Committee on Master of Arts Degree Program in Energy and Mineral Resources, The University of Texas at Austin, 1980–present

#### Federal Government

Consultant, International Boundary and Water Commission, Texas and Mexico, 1984

Consultant on energy supply, Office of Technology Assessment, Congress of the United States, 1977

#### Publications

##### Books, Manuals

Galloway, W. E., and Hobday, D. K., 1996, Terrigenous clastic depositional systems: Heidelberg, Springer-Verlag, 489 p.

Jackson, M. P. A., and Galloway, W. E., 1984, Structural and depositional styles of Gulf Coast Tertiary continental margins: application to hydrocarbon exploration: American Association of Petroleum Geologists, Continuing Education Course Note Series No. 25, 226 p.

Galloway, W. E., and Hobday, D. K., 1983, Terrigenous clastic depositional systems—application to petroleum, coal, and uranium exploration: New York, Springer-Verlag, 423 p.

Galloway, W. E., Kreitler, C. W., and McGowen, J. H., 1978, Depositional and ground-water flow systems in the exploration for uranium, a research colloquium: The University of Texas at Austin, Bureau of Economic Geology, colloquium syllabus, 280 p.

##### Reports, Monographs, Brochures, Pamphlets, Bulletins, Guidebooks

Cherepon, A. J., Brandt, J. E., and Galloway, W. E., 2007, Geology of the Karnes Uranium District, Texas: Austin Geological Society Guidebook 027, 85 p.

Morton, R. A., Jirik, L. A., and Galloway, W. E., 1988, Middle-Upper Miocene depositional sequences of the Texas Coastal Plain and Continental Shelf: geologic framework, sedimentary facies, and hydrocarbon plays: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 174, 40 p. plus appendices.

Galloway, W. E., 1986, Depositional and structural framework of the distal Frio Formation, Texas Coastal Zone and shelf: The University of Texas at Austin, Bureau of Economic Geology Geological Circular 86-8, 16 p.

Galloway, W. E., Jirik, L. A., Morton, R. A., and DuBar, J. R., 1986, Lower Miocene (Fleming) depositional episode of the Texas Coastal Plain and continental shelf: structural framework,

- facies, and hydrocarbon resources: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 150, 50 p.
- Loucks, R. G., Dodge, M. M., and Galloway, W. E., 1986, Controls on porosity and permeability of hydrocarbon reservoirs in lower Tertiary sandstones along the Texas Gulf Coast: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 149, 78 p.
- Galloway, W. E., and Cheng, E. S., 1985, Reservoir facies architecture in a microtidal barrier system—Frio Formation, Texas Gulf Coast: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 144, 36 p.
- Tyler, Noel, Galloway, W. E., Garrett, C. M., Jr., and Ewing, T. E., 1984, Oil accumulation, production characteristics, and targets for additional recovery in major Texas reservoirs: The University of Texas at Austin, Bureau of Economic Geology Geological Circular 84-2, 31 p.
- Fisher, W. L., and Galloway, W. E., 1983, Potential for additional oil recovery in Texas: The University of Texas at Austin, Bureau of Economic Geology Geological Circular 83-2, 20 p.
- Galloway, W. E., 1982, Depositional architecture of Cenozoic Gulf Coastal Plain fluvial systems: Society of Economic Paleontologists and Mineralogists Special Publication 31, p.127–155. *Reprinted at* The University of Texas at Austin, Bureau of Economic Geology Geological Circular 82-5, 29 p.
- Galloway, W. E., 1982, Epigenetic zonation and fluid flow history of uranium-bearing fluvial aquifer systems, South Texas uranium province: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 119, 31 p.
- Galloway, W. E., Henry, C. D., and Smith, G. E., 1982, Depositional framework, hydrostratigraphy, and uranium mineralization of the Oakville Sandstone (Miocene), Texas Coastal Plain: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No.113, 51 p.
- Galloway, W. E., Hobday, D. K., and Magara, Kinji, 1982, Frio Formation of Texas Gulf Coastal Basin—depositional systems, structural framework, and hydrocarbon origin, migration, distribution, and exploration potential: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 122, 78 p.
- Henry, C. D., Galloway, W. E., and Smith, G. E., 1982, Considerations in the extraction of uranium from a fresh-water aquifer—Miocene Oakville sandstone, South Texas: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 126, 36 p.
- Henry, C. D., Galloway, W. E., Smith, G. E., Ho, C. L., Morton, J. P., and Gluck, J. K., 1982, Geochemistry of ground water in the Miocene Oakville Sandstone—a major aquifer and uranium host of the Texas Coastal Plain: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 118, 63 p.
- Smith, G. E., Galloway, W. E., and Henry, C. D., 1982, Regional hydrodynamics and hydrochemistry of the uranium-bearing Oakville aquifer (Miocene) of South Texas: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 124, 31 p.
- Galloway, W. E., and Kaiser, W. R., 1980, Catahoula Formation of the Texas Coastal Plain: origin, geochemical evolution, and characteristics of uranium deposits: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 100, 81 p.
- Dutton, S. P., Finley, R. J., Galloway, W. E., Gustavson, T. C., Handford, C. R., and Presley, M. W., 1979, Geology and geohydrology of the Palo Duro Basin, Texas Panhandle: The University of Texas at Austin, Bureau of Economic Geology Geological Circular 79-1, 99 p.
- Galloway, W. E., Finley, R. J., and Henry, C. D., 1979, South Texas uranium province—geologic perspective: The University of Texas at Austin, Bureau of Economic Geology Guidebook 18, 81 p.
- Galloway, W. E., 1977, Catahoula Formation of the Texas Coastal Plain—depositional systems, mineralogy, structural development, ground-water flow history, and uranium distribution: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 87, 59 p.

Galloway, W. E., and Groat, C. G., 1976, South Texas uranium province: geology and extraction: The University of Texas at Austin, Bureau of Economic Geology Research Note 6, 10 p.

Galloway, W. E., and Brown, L. F., Jr., 1972, Depositional systems and shelf-slope relationships in Upper Pennsylvanian rocks, North-Central Texas: The University of Texas at Austin, Bureau of Economic Geology Report of Investigations No. 75, 62 p.

#### Atlases, Maps, Cross Sections

Galloway, W. E., Liu, Xijin, Travis-Neuberger, Deborah, and Xue, Liangqing, 1994, Reference high-resolution correlation cross sections, Paleogene section, Texas coastal plain: The University of Texas at Austin, Bureau of Economic Geology, 19 p. + 5 pl.

Galloway, W. E., Ewing, T. E., Garrett, C. M., Tyler, Noel, and Bebout, D. G., 1983, Atlas of major Texas oil reservoirs: The University of Texas at Austin, Bureau of Economic Geology Special Publication, 139 p.

#### Chapters, Sections

Galloway, W.E., 2008, Depositional evolution of the Gulf of Mexico sedimentary basin, in K.J. Hsu, ed., *Sedimentary basins of the world*, v. 5, The sedimentary basins of the United States and Canada, Miall, A.D., ed.: The Netherlands, Elsevier, p. 505-549.

Galloway, W. E., Bebout, D. G., Fisher, W. L., Dunlap, J. B., Jr., Cabrera-Castro, R., Lugo-Rivera, J. E., and Scott, T. M., 1991, Chapter 11: Cenozoic, *in* Salvador, Amos, ed., *The Gulf of Mexico Basin: Geological Society of America, The Geology of North America*, v. J, p. 245–324.

Galloway, W. E., Dingus, W. F., and Paige, R. E., 1991, Seismic and depositional facies of Paleocene–Eocene Wilcox group submarine canyon fills, northwest Gulf Coast, U.S.A., *in* *Seismic facies and sedimentary processes of submarine fans and turbidite systems*: New York, Springer-Verlag, p. 47–271.

Riggs, S. R., Ellison, S. P., Fisher, W. L., Galloway, W. E., Jackson, M. L. W., and Morton, R. A., 1991, Mineral resources and geopressured-geothermal energy, *in* Salvador, Amos, ed., *The Gulf of Mexico Basin: Geological Society of America, The Geology of North America*, v. J , p. 495–528.

Galloway, W. E., 1988, Depositional framework and hydrocarbon resources of the lower Miocene (Fleming) Episode, northwest Gulf Coast Basin, *in* Hunt, M. C., Ratcliff, D. C., Doenges, S. V., and Condon, C., eds., *First symposium on studies related to continental margins—a summary of year-one and year-two activities: sponsored by Minerals Management Service, U.S. Department of the Interior, and Continental Margins Committee, Association of American State Geologists, Proceedings*, p. 57–79.

Muehlberger, W. R., Galloway, W. E., Land, L. S., Sharp, J. M., Sawyer, D. S., and Light, M. P. R., 1988, Deep crustal drilling, Texas Gulf Coast, United States of America, *in* Boden, A., and Eriksson, K. G., eds., *Deep drilling in crystalline bedrock*: Berlin, Springer-Verlag, v. 2, p.155–171.

#### Articles

McDonnell, A., Loucks, R.G., and Galloway, W.E., 2008, Paleocene to Eocene deep-water slope canyons, western Gulf of Mexico: Further insights for the provenience of deep-water offshore Wilcox Group plays: *American Association of Petroleum Geologists Bulletin*, v. 92, p. 1169-1189.

Sylvia, D.A., and Galloway, W.E., 2006, Morphology and stratigraphy of the late Quaternary lower Brazos valley: implications for paleo-climate, discharge and sediment delivery: *Sedimentary Geology*, v. 190, p. 159-175.

Combellas-Bigott, R.I., and Galloway, W.E., 2005, Depositional and structural evolution of the middle Miocene depositional episode, east-central Gulf of Mexico: *AAPG Bulletin*, v. 90, p. 335-362.

- Galloway, W. E., 2005, Cenozoic evolution of the northern Gulf of Mexico continental margin: Proceedings of 25<sup>th</sup> Annual GCS-SEPM Research Conference, Petroleum Systems of Divergent Continental Margins, P. J. Post et al. eds., CD.
- Galloway, W. E., 2005, Gulf of Mexico Basin depositional record of Cenozoic North American drainage basin evolution: International Association of Sedimentologists Special Publication 35, p. 409-423.
- Galloway, W. E., Mentemeier, S., Rowan, M., and Gochioco, L. M., 2004, Plumbing the depths of the Gulf of Mexico: Recent understanding of Cenozoic sand dispersal systems and ultradeep reservoir potential: *The Leading Edge*, v. 23, p. 44-51.
- Sharp, J. M., Shi., M., Galloway, W. E., 2003, Heterogeneity of fluvial systems—control on density-driven flow and transport: *Environmental & Engineering Geoscience*, v. IX, p. 5-17.
- Galloway, W. E., and Ganey-Curry, P. E., 2003, Atlas of depositional and structural features of Paleogene strata, South Texas: in *Structure and Stratigraphy of South Texas and northeast Mexico: Applications to Exploration*, Gulf Coast Section SEPM Foundation and South Texas Geological Society, p. 142-157.
- Wu, X., and Galloway, W. E., 2003, Upper Miocene depositional history and paleogeographic evolution of central Gulf of Mexico basin: 23<sup>rd</sup> Annual Gulf Coast Section SEPM Foundation Bob. F. Perkins Research Conference Proceedings, p. 139-165.
- Galloway, W. E., 2002, Cenozoic evolution of sedimentation accumulation in deltaic and shore-zone depositional systems, northern Gulf of Mexico basin: *Marine and Petroleum Geology*, v. 18, p. 1031-1040.
- Galloway, W. E., and Sylvia, D. A., 2002, The many faces of erosion: theory meets data in sequence stratigraphic analysis: 22<sup>nd</sup> Annual Gulf Coast Section SEPM Foundation Bob. F. Perkins Research Conference Proceedings, p. 99-112.
- Combellas-Bigott, R. I., and Galloway, W. E., 2002, Depositional history and genetic sequence stratigraphic framework of the middle Miocene depositional episode, south Louisiana: *Gulf Coast Association of Geological Societies Transactions*, v. 52, p. 139-150.
- Combellas-Bigott, R. I., and Galloway, W. E., 2002, Origin and evolution of the middle Miocene submarine-fan system, east-central Gulf of Mexico: *Gulf Coast Association of Geological Societies Transactions*, v. 52, p. 151-163.
- Wu, X., and Galloway, W. E., 2002, Upper Miocene depositional history of the central Gulf of Mexico basin: *Gulf Coast Association of Geological Societies Transactions*, v. 52, p. 1019-1030.
- Galloway, W. E., 2002, Paleogeographic setting and depositional architecture of a sand-dominated shelf depositional system, Miocene Utsira Formation, North Sea Basin: *Journal of Sedimentary Research*, v. 72, p. 476-490.
- Galloway, W. E., 2001, Seismic expressions of deep-shelf depositional and erosional morphologies, Miocene Utsira formation, North Sea Basin: *Marine Geophysical Researches*, v. 22, p. 309-321.
- Galloway, W. E., Ganey-Curry, P., Li, X., and Buffler, R. T., 2000, Cenozoic depositional evolution of the Gulf of Mexico Basin, *AAPG Bulletin*, v. 84, p. 1743--1775.
- Hobday, D. K., and Galloway, W. E., 1999, Groundwater processes and sedimentary uranium deposits: *Hydrogeology Journal*, v. 7, p. 127–138.
- Galloway, W. E., 1998, Depositional processes, regime variables, and development of siliciclastic stratigraphic sequences, in Gradstein, F. M., Sandvik, K. D., and Milton, N. J., *Sequence stratigraphy—concepts and applications*: Amsterdam, Elsevier Science B.V., ©Norwegian Petroleum Society (NPF), NPF Special Publication 8, p. 117–140.
- Galloway, W. E., Buffler, R. T., Li, Xiang, and Ganey-Curry, Patricia, 1998, Gulf of Mexico Basin depositional synthesis: Neogene sequences, depositional systems, and paleogeographic evolution: *Gulf Coast Association of Geological Societies Transactions*, v. 48, p. 83–88.

- Galloway, W. E., 1998, Clastic depositional systems and sequences: applications to reservoir prediction, delineation, and characterization: *The Leading Edge*, February, p. 173–180.
- Galloway, W. E., 1998, Siliciclastic slope and base-of-slope depositional systems: component facies, stratigraphic architecture, and classification: *American Association of Petroleum Geologists Bulletin*, v. 82, no. 4, p. 569–595.
- Galloway, W. E., and Sharp, J. M., Jr., 1998, Characterizing aquifer heterogeneity within terrigenous clastic depositional systems, *in* *Concepts in hydrogeology and environmental geology, I: SEPM (Society for Sedimentary Geology)*, p. 85–90.
- Galloway, W. E., and Sharp, J. M., Jr., 1998, Hydrogeology and characterization of fluvial aquifer systems, *in* *Concepts in hydrogeology and environmental geology, I: SEPM (Society for Sedimentary Geology)*, p. 91–106.
- Liu, X., and Galloway, W. E., 1997, Quantitative determination of Tertiary sediment supply to the North Sea Basin: *American Association of Petroleum Geologists Bulletin*, v. 81, no. 9, p. 1482–1509.
- Meckel, L. D., III, and Galloway, W. E., 1996, Formation of high-frequency sequences and their bounding surfaces: case study of the Eocene Yegua Formation, Texas Gulf Coast, U.S.A.: *Sedimentary Geology*, v. 102, p. 155–186.
- Galloway, W. E., and McGilvery, T. A., 1995, Facies of a submarine canyon fill reservoir complex, lower Wilcox Group (Paleocene), Central Texas coastal plain: Turbidites and associated deep-water facies: *SEPM (Society for Sedimentary Geology) Core Workshop No. 20*, p. 1–24.
- Xue, Liangqing, and Galloway, W. E., 1995, High-resolution depositional framework of the Paleocene middle Wilcox strata, Texas coastal plain: *American Association of Petroleum Geologists Bulletin*, v. 79, p. 205–230.
- Ye, Q., Galloway, W. E., Mathews, R. K., 1995, High-frequency glacioeustatic cyclicity of the Miocene in Central Texas and western Louisiana and its applications in hydrocarbon exploration: *Gulf Coast Association of Geological Societies Transactions*, v. 55, p. 587–594.
- Liu, Xijin, and Galloway, W. E., 1993, Sediment accumulation rate: problems and new approach, *in* *GCSSEPM Foundation 14th Annual Research Conference, Rates of Geologic Processes, program with papers*, p. 101–107.
- Xue, Liangqing, and Galloway, W. E., 1993, Genetic sequence stratigraphic framework, depositional style, and hydrocarbon occurrence of the Upper Cretaceous QYN Formations in the Songliao lacustrine basin, northeastern China: *American Association of Petroleum Geologists Bulletin*, v. 77, no. 10, p. 1792–1808.
- Ye, Qiucheng, Matthews, R. K., Galloway, W. E., Frohlich, Cliff, and Gan, Stoney, 1993, High-frequency glacioeustatic cyclicity in the early Miocene and its influence on coastal and shelf depositional systems, NW Gulf of Mexico Basin, *in* *GCSSEPM Foundation 14th Annual Research Conference, Rates of Geologic Processes, program with papers*, p. 287–298.
- Galloway, W. E., Garber, J. L., Liu, Xijin, and Sloan, B. J., 1993, Sequence stratigraphic and depositional framework of the Cenozoic fill, Central and Northern North Sea Basin, *in* *Parker, J. R., ed., Proceedings, 4th Conference, Petroleum Geology of Northwest Europe: London, The Geological Society*, p. 33–43.
- Xue, Liangqing, and Galloway, W. E., 1993, Sequence stratigraphic and depositional framework of the Paleocene lower Wilcox strata, northwest Gulf of Mexico Basin: *Gulf Coast Association of Geological Societies Transactions*, v. 43, p. 453–464.
- Galloway, W. E., Dingus, W. F., and Paige, R. E., 1991, Seismic and depositional facies of Paleocene–Eocene Wilcox Group submarine canyon fills, northwest Gulf Coast, U.S.A., *in* *Seismic facies and sedimentary processes of submarine fans and turbidite systems: New York, Springer-Verlag*, p. 247–271.

- Galloway, W. E., and Williams, T. A., 1991, Sediment accumulation rates in time and space: Paleogene genetic stratigraphic sequences of the northwestern Gulf of Mexico basin: *Geology*, v. 19, p. 986–989.
- Morton, R. A., and Galloway, W. E., 1991, Depositional, tectonic, and eustatic controls on hydrocarbon distribution in divergent margin basins: Cenozoic Gulf of Mexico case history: *Marine Geology*, v. 102, p. 239–263.
- Xue, Liangqing, and Galloway, W. E., 1991, Fan-delta, braid delta, and the classification of delta systems: *Acta Geologica Sinica*, v. 4, no. 4, p. 387–400.
- Coleman, Janet, and Galloway, W. E., 1990, Petroleum geology of the Vicksburg Formation, Goliad County, Texas: *South Texas Geological Society Bulletin*, v. 30, no. 19, p. 9–25.
- Coleman, Janet, and Galloway, W. E., 1990, Petroleum geology of the Vicksburg Formation, Texas: *Gulf Coast Association of Geological Societies Transactions*, v. 40, p. 119–130.
- Coleman, Janet, and Galloway, W. E., 1990, Sequence stratigraphic analyses of the lower Oligocene Vicksburg Formation of Texas: Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation, 11th Annual Research Conference Program and Abstracts, December, p. 99–112.
- Dingus, W. F., and Galloway, W. E., 1990, Morphology, paleogeographic setting, and origin of the middle Wilcox Yoakum canyon, Texas Coastal Plain: *American Association of Petroleum Geologists Bulletin*, v. 74, no. 7, p. 1055–1076.
- Galloway, W. E., 1990, Paleogene depositional episodes, genetic stratigraphic sequences, and sediment accumulation rates, northwest Gulf of Mexico basin: Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation, 11th Annual Research Conference Program and Abstracts, December, p. 165–176.
- Ramos, Amparo, and Galloway, W. E., 1990, Facies and sand-body geometry of the Queen City (Eocene) tide-dominated delta-margin embayment, NW Gulf of Mexico Basin: *Sedimentology*, v. 37, p. 1079–1098.
- Xue, Liangqing, and Galloway, W. E., 1990, High-resolution, log-derived, genetic stratigraphic sequence profile of the Paleogene section, central Texas Gulf Coast: Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation, 11th Annual Research Conference Program and Abstracts, December, p. 399–408.
- Galloway, W. E., 1989, Depositional framework and hydrocarbon resources of the early Miocene (Fleming) episode, northwest Gulf Coast Basin, *in* Hunt, M. C., and Doenges, S. V., eds., *Studies related to continental margins*: *Marine Geology*, v. 90, p. 19–29.
- Galloway, W. E., 1989, Genetic stratigraphic sequences in basin analysis II: application to northwest Gulf of Mexico Cenozoic basin: *American Association of Petroleum Geologists Bulletin*, v. 73, no. 2, p. 143–154.
- Galloway, W. E., 1989, Genetic stratigraphic sequences in basin analysis I: architecture and genesis of flooding-surface bounded depositional units: *American Association of Petroleum Geologists Bulletin*, v. 73, no. 2, p. 125–142.
- Galloway, W. E., and Morton, R. A., 1989, Geometry, genesis, and reservoir characteristics of shelf sandstone facies, Frio Formation (Oligocene), Texas Coastal Plain, *in* Morton, R. A., and Nummedal, Dag, eds., *Shelf sedimentation, shelf sequences, and related hydrocarbon accumulation*: Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation Seventh Annual Research Conference Proceedings, p. 89–115.
- Hamilton, D. S., and Galloway, W. E., 1989, New exploration techniques in the analysis of diagenetically complex reservoir sandstones, Sydney Basin, New South Wales: *Australian Petroleum Exploration Association Journal*, v. 29, pt. 1, p. 235–257.
- Sharp, J. M., Jr., Galloway, W. E., Land, L. S., McBride, E. F., Blanchard, P. E., Bodner, D. P., Dutton, S. P., Farr, M. R., Gold, P. B., Jackson, T. J., Lundegard, P. D., MacPherson, G. L., and Milliken, K. L., 1988, Diagenetic processes in northwestern Gulf of Mexico sediments, *in*

- Chilingarian, G. V., and Wolf, K. H., eds., Diagenesis, II, Developments in Sedimentology 43: New York, Elsevier, p. 43–113.
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- Hamilton, D. S., Galloway, W. E., and Reynolds, S. A., 1987, Depositional systems of the Narrabeen Group: Advances in the study of the Sydney Basin, 21st Newcastle Symposium, Proceedings, p. 115–122.
- Galloway, W. E., 1986, Growth faults and fault-related structures of prograding terrigenous clastic continental margins: *Gulf Coast Association of Geological Societies Transactions*, v. 36, p. 121–128.
- Galloway, W. E., 1986, Reservoir facies architecture of microtidal barrier systems: *American Association of Petroleum Geologists Bulletin*, v. 70, no. 7, p. 787–808.
- Galloway, W. E., 1985, Ancient alluvial fans and fan deltas, *in* Flores, R. M., and others, eds., Recognition of fluvial depositional systems and their resource potential: *Society of Economic Paleontologists and Mineralogists Short Course No. 19*, p. 127–143.
- Galloway, W. E., 1985, The depositional and hydrogeologic environment of Tertiary uranium deposits, South Texas Uranium Province, *in* Geological environments of sandstone-type uranium deposits: International Atomic Energy Agency, Report IAEA-TECDOC-328, p. 215–227.
- Galloway, W. E., 1985, Depositional framework of the lower Miocene (Fleming) episode, northwest Gulf Coast Basin: *Gulf Coast Association of Geological Societies Transactions*, v. 35, p. 67–74.
- Galloway, W. E., 1985, Submarine canyon system in the Frio Formation of South Texas: *Gulf Coast Association of Geological Societies Transactions*, v. 35, p. 75–84.
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- Sediments and stratigraphic framework of the Copper River delta system, Alaska, 1977.
- Stratigraphic and hydrologic control of sedimentary uranium deposits, 1975.
- Application of seismic modeling in the Natuna Basin, South China Sea, 1974.

Seismic stratigraphic model, basal Springer Sand, Oklahoma, 1974.

Stratigraphy of the upper Fort Union fluvial system, southern Powder River Basin—relationships to uranium mineralization, 1974.

Detection and significance of abnormal pressure in Tertiary and Late Cretaceous intermontane basin fills, 1973.

Diagenetic alteration of eugeosynclinal reservoir sandstones, 1972.

Geoseismic analysis of the Gulf of Alaska Tertiary Basin, 1972.

Sedimentology of the Yakataga and Poul Creek Formations, Gulf of Alaska Tertiary Basin, 1972.

Stratigraphy of the Westwater Canyon alluvial fan system (Morrison Formation)—relationships to uranium mineralization, 1972.

Petrography of Gulf of Alaska Tertiary sandstones, 1971.

#### Tape and Slide Sets

Galloway, W. E., 1986, Depositional and structural architecture of the northwest Gulf Coast Tertiary continental platform; and Depositional and structural architecture of prograding clastic continental margins: Tulsa, Oklahoma, American Association of Petroleum Geologists, Tape and Slide Set.

#### Thesis

Depositional history of the Wilcox Group, east-central Louisiana: Austin, Texas, The University of Texas at Austin, M.A. thesis, 86 p., 1968.

#### Dissertation

Depositional systems and shelf-slope relationships in uppermost Pennsylvanian rocks of the eastern shelf, North-Central Texas: Austin, Texas, The University of Texas at Austin, Ph.D. dissertation, 116 p., 1971.

#### Research Support

Principal Investigator: Gulf of Mexico Basin Depositional Synthesis Project: Phase I, II, III, IV, V, VI, VII (in progress): Industrial association of 18 companies (1995–2008, \$5,925,000).

Co-Principal Investigator (with D. Apperson): Deep-Water Sands: Exploration Plays and Reservoirs: University of Utah Energy and Geosciences Institute (1999, \$30,000).

Principal Investigator: Sequence-stratigraphic framework of clastic strike-fed sediment dispersal systems: Texas Advanced Research Program (1997–1999, \$37,845).

Co-Principal Investigator (with M. Kominz): Sequence stratigraphic backstripping with application to the Cenozoic of the North Sea: National Science Foundation (1995–1998, \$90,538).

Principal Investigator: Tectonic framework and depositional history of the Barrow/Dampier subbasins, Australia: National Centre for Petroleum Geology and Geophysics, University of Adelaide (1993–1995, \$65,500).

Co-Principal Investigator (with R. K. Matthews and C. Frohlich): Model-Assisted Comparative Sequence Stratigraphy; National Science Foundation (1992–1993, \$123,000).

Principal Scientist: Comparative Genetic Sequence Stratigraphic Analysis of Two Cenozoic Basins; A Test of Methodologies and Concepts; various companies (1988–1991, \$90,000).

Principal Investigator: Depositional, Structural, and Sequence Stratigraphic Framework and Petroleum Endowment of Prograding Basin Margins; Texas Advanced Research Program (1988–1990, \$68,960).

Principal Scientist: Stratigraphic Analysis of the Sydney Basin; Earth Resources Foundation, University of Sydney (1986–1987, \$35,000).

Principal Investigator: Depositional Framework and Genesis of Tertiary Submarine Gorges, Eocene, Northwest Gulf Coast; National Science Foundation (1985–1987, \$74,033).

Principal Investigator: Frio Facies and Hydrocarbon Distribution: Texas Continental Shelf; Sohio Petroleum Company (1984–1985, \$35,000).

Principal Investigator: Geological Characterization of Texas Oil Reservoirs; (1981–1982, \$198,000; 1982–1983, \$199,000).

Principal Investigator: Fluid Flow Systems of an Actively Subsiding Basin—Implications for Nature and Location of Epigenetic Uranium Deposits; U.S. Geological Survey (1979–1980, \$40,524).

Principal Investigator: Resource Evaluation of the Frio Formation; U.S. Geological Survey (1979–1980, \$98,224).

Principal Investigator: Predicting Response of a Natural System to Uranium Extraction: Oakville Aquifer System, Texas; U.S. Environmental Protection Agency (1977–1979, \$237,327).

Principal Investigator: Uranium Potential of the Catahoula Formation, Texas—a Stratigraphic Depositional and Geochemical Evaluation; Department of Energy/Bendix Field Engineering Corporation (1975–1978, \$128,002).

### Special Lecturing

#### Gulf Coast Association of Geological Societies Short Course

Co-Panelist: Frio Formation of South Texas and Northern Mexico, 2007

#### University of Texas Forum

Science, Christianity and the Pursuit of Truth: January-February, 2008.

#### AAPG Short Courses

(With P. Mann and E. Escalona) Jurassic-Recent subsurface geology, paleogeography, and regional tectonics of the Gulf of Mexico and Caribbean region: American Association of Petroleum Geologists Continuing Education Program, 2006.

Depositional Systems and Sequences in the Exploration for Sandstone Reservoirs and Stratigraphic Traps: American Association of Petroleum Geologists Continuing Education Program, 1991-- 2004.

Facies Models for Ancient Alluvial Fans and Fan Deltas and Gulf Coastal Plain Fluvial Deposits: American Association of Petroleum Geologists field seminar entitled “Fluvial Systems: Their Economic and Field Applications,” Salt Lake City, Utah, 1983, 1984, 1986, 1989, 1991.

Structural and Depositional Styles of Gulf Coast Tertiary Continental Margins: Application to Hydrocarbon Exploration: American Association of Petroleum Geologists Continuing Education Program, 1984, 1988.

Seismic Stratigraphic Models of Depositional Platform Margins and Case Histories and Field Documentation of Seismic Reflection Patterns: American Association of Petroleum Geologists Seismic Stratigraphy School, 1977–1983.

Depositional Systems in the Exploration for Sandstone Stratigraphic Traps: American Association of Petroleum Geologists Continuing Education Program, 1977–1984.

Depositional Systems and the Exploration for Uranium: American Association of Petroleum Geologists Continuing Education Program, 1977, 1978, 1980.

#### SEPM Short Course

Recognition of Fluvial Depositional Systems and Their Resource Potential: Golden, Colorado, 1985; AAPG/SEPM Annual Convention, San Antonio, Texas, 1989.

#### Other Short Courses

Depositional Evolution of the Gulf of Mexico Sedimentary Basin: Geoscience Training Alliance, 2002-2007.

Depositional Systems and Sequences in Petroleum Exploration: National Centre for Petroleum Geology and Geophysics, Adelaide, Australia, 1993.

Depositional Systems and Sequences: 11th Australian Geological Conference, Ballarat, Australia, 1991.

Genetic Stratigraphic Sequences and Depositional Systems: University of Bergen, University of Oslo, University of Copenhagen, Aarhus University, and University of Utrecht, 1990.

Cenozoic Geology and Petroleum Resources of the Gulf of Mexico: University of Oslo, 1990.

Clastic Depositional Systems in Petroleum Exploration and Development: University of Bergen, 1990.

Lower Wilcox Core Workshop: South Texas Geological Society/AAPG Annual Convention, San Antonio, Texas, 1990.

Depositional Systems and Sequence Analysis: Indonesian Petroleum Association, Jakarta, Indonesia, 1990.

Depositional Sequences and Systems in Basin Analysis: sponsored by PETROBRAS, Oro Prieto, Brazil, 1989.

Advanced Petroleum Geology of Terrigenous Clastic Depositional Systems: University of Sydney, Earth Resources Foundation, Sydney and Perth, Australia, 1983, 1988.

Petroleum Geology of Fluvial and Deltaic Systems: Permian Basin Graduate Center, Midland, Texas, 1983.

Seismic Stratigraphy: Bureau of Mineral Resources, Canberra, Australia, 1983.

Exploration for Petroleum in Terrigenous Depositional Systems: University of Sydney, Earth Resources Foundation, New South Wales, Australia, 1982.

Third, Fourth, and Fifth Short Course on the Fluvial System, Colorado State University, Department of Geology, 1980, 1981, 1982.

Seismic–Stratigraphic Analysis of Intracratonic Basin Sandstone Reservoirs, Geophysical Society of Oklahoma City Continuing Education Conference, 1981.

#### BEG Colloquia

Depositional and Ground-Water Flow Systems in the Exploration for Uranium (with C. W. Kreitler and J. H. McGowen): presented to Bureau of Economic Geology research staff, 1978.

#### Visiting Professorships

Visiting Professor, National Centre for Petroleum Geology and Geophysics, University of Adelaide, Australia, 1993, 1994.

Nordic Visiting Professor in Petroleum Geology, The University of Bergen, Norway, 1990.

Leslie Bowling Visiting Professor, The University of Texas at Austin, Department of Geological Sciences, 1982 – 1985.

Klabzuba Visiting Professor of Geology and Geophysics, University of Oklahoma, Department of Geology and Geophysics, Norman, Oklahoma, 1981.

#### Corporate Schools, Research Seminars

Terrigenous Clastic Depositional Systems: Texaco, 1997, 1998.

Genetic Stratigraphic Sequences and Depositional Systems Workshop: Statoil, a.s., Norsk Hydro, a.s., British Petroleum Exploration, Ltd., Amoco, Unocal, Conoco, 1990--1998.

Co-Lecturer, Structural and Depositional Styles of Gulf Coast Cenozoic Continental Margins: Oryx Exploration, B.G. Services, Texaco, 1989 -- 1991.

Organizer and Co-Leader, Clastic Facies Course, Standard Oil Production Company, 1988, 1989.

Co-Leader, Escuela Facies Clasticas, LAGOVEN, S.A., Venezuela, 1985–1988.

Organizer and Co-Leader, Sandstone Uranium Seminar, Mobil Oil Company, 1980, 1981.

Organizer, Co-Leader, and Principal Lecturer, Clastic Sedimentation Field Seminar, Conoco, Inc., 1977, 1978, 1980–1986.

Special Lecturer and Keynote Address, Annual Exploration Review, C.R.A. Exploration Party, Ltd., 1980.

Organizer and Leader, Uranium Exploration in Clastic Environments, Conoco, Inc., 1979.

Co-Leader and Lecturer, Carbonate Sedimentation Field Seminar—Belize, Quintana Roo, and Edwards Plateau, Continental Oil Company, 1975.

Convener and Principal Lecturer, Fluvial Depositional Systems—Applications to Uranium Exploration, Continental Oil Company, 1975.

Co-Convener and Principal Lecturer, Seismic Stratigraphy and Geologic Interpretation of Seismic Data, Seismic Modeling School, Continental Oil Company, 1974.

Convener and Principal Lecturer, Deltaic Depositional Systems Seminar, Continental Oil Company, 1973.

#### Geological Societies

Invited lectures before the Austin, Houston, South Texas, Abilene, Wichita, Oklahoma City, Tulsa, Calgary, and Rocky Mountain Geological Societies and Associations.

#### Field Trips

Co-Leader, Geology of the Karnes Uranium District, Texas: Austin Geological Society, Austin, Texas, 2007.

Leader, Gulf Coast Uranium: Corpus Christi Geological Society, annual field trip, Corpus Christi, Texas, 1980.

Leader, South Texas Uranium Province: American Association of Petroleum Geologists, Energy Minerals Division, national convention, Houston, Texas, 1979.

Co-Leader, Fluvial Sediments Field Seminar: U.S. Geological Survey, Austin, Texas, 1976.

#### Congressional, Legislative, and Special Committee Testimony

Geologic and Hydrologic Setting—Cummins Creek Mine (with W. R. Kaiser): presented to City of Austin, Electric Utility Commission, 1983.

### University Teaching

Introduction to Petroleum Workstations (Geology 391).

Basin and Trend Analysis in Petroleum Exploration (Geology 330K), Terrigenous Depositional Systems (Geology 383), Topics in Sedimentary Basin Analysis (Geology 383S), The University of Texas at Austin, Department of Geological Sciences.

Clastic Sedimentary Environments—Deltaic Systems: The University of Texas at Dallas, Programs in Geoscience, 1983.

Terrigenous Clastic Depositional Systems: University of Oklahoma, Department of Geology and Geophysics, Norman, Oklahoma, 1981.

Research in Sedimentary-Economic Geology (Geology 394): The University of Texas at Austin, Department of Geological Sciences, 1979, 1980.

Stratigraphic Traps in Terrigenous Depositional Systems: short course, Universitetet I Bergen Geologisk Institutt, Norway, 1980.

Geological Evolution of the Western Gulf Coast Tertiary Basin: short course, University of New Orleans, 1979.