

CURRICULUM VITAE

NAME: Paul Mann

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PRESENT POSITION:

Senior Research Scientist
Institute for Geophysics
The University of Texas at Austin

EDUCATION:

- B.A., Oberlin College, 1978
- Ph.D., State University of New York at Albany, 1983

DISSERTATION:

Cenozoic Tectonics of the Northern Caribbean: Structural and Stratigraphic Studies in Jamaica and Hispaniola, Parts I and II, State University of New York at Albany, 688 p. (committee: K. Burke, W. S. F. Kidd, T. M. Harrison, W. D. Means)

PROFESSIONAL EXPERIENCE:

Sept. 1999- Senior Research Scientist, Institute for Geophysics, The University of Texas at Austin

1999–2000 French Academy of Sciences fellowship, University of Nice (Sophia Antipolis), France (on leave from Univ. of Texas at Austin)

1991–1999 Research Scientist, Institute for Geophysics, The University of Texas at Austin

1983–1991 Research Associate, Institute for Geophysics, The University of Texas at Austin

1983–84 Organization of American States fellowship (Dominican Republic) (on leave from Univ. of Texas at Austin)

1982–‘83 Graduate Teaching Assistant, SUNY Albany

1981–‘82 Graduate Research Assistant, SUNY Albany

1978–‘81 University Fellow, SUNY Albany

HONORS AND AWARDS:

1978 Phi Beta Kappa, Oberlin College,

- 1978–'81 University Fellowship, SUNY Albany.
- 1983 The Presidential Award for Distinguished Doctoral Dissertation in 1983, SUNY Albany.
- 1984 Organization of American States Fellow to the Dominican Republic,
- 1996 Cited by American Association of Petroleum Geologists for excellence in reviewing, American Association of Petroleum Geologists Bulletin, v. 80, p. v.
- Feb.–Mar. 1997
Invited Erskine Fellow at the Department of Geology, University of Canterbury, New Zealand.
- Sept. 1, 1999–Aug. 15, 2000
Invited French Academy of Sciences fellowship at the University of Nice (Sophia Antipolis) funded by the Elf-Aquitaine Company)
- 2000–present
Associate editor, Geological Society of America Bulletin.
- 2001 Cited by Geological Society of America Bulletin for excellence in reviewing during 2001 (GSA Bulletin, 2002, v. 114).
- May 2005 Fellow, Geological Society of America.
- June 2006 Joseph C. Walter Excellence Award, Jackson School of Geosciences.
- Sept. 2007 APEX grand award for writing for a special issue of Phi Kappa Phi Forum that explains natural hazards to non-scientists.

MEMBERSHIPS:

- Geological Society of America
- American Geophysical Union
- American Association of Petroleum Geologists

FUNDED PROJECTS:

- 1985–'88 Paleogene Clastic Sediment Dispersal and Basin Development within the Greater Antilles-Bahama Platform Collision Zone, American Chemical Society, Petroleum Research Fund (no. 85-93; MA students supported: C. Heubeck, R. de Zoeten; \$52,500).
- 1985 Stratigraphy and Structure of the Jurassic Passive Margin in Cuba: Implications for Petroleum Source Potential in the Greater Antilles, Southern Florida, and the southwestern Bahamas, Shell Development Company (no. 85-111; Univ. of Miami MA student supported: A. Barros; \$7,965).

- 1985 Stratigraphy, Structure, and Source Rock Potential of Neogene Sedimentary Basins in southwestern Panama, Amoco Production Company (no. 85-113; MA student supported: J. Corrigan; \$8,023).
- 1985 1:100,000 Geologic Compilation Map of the Southern Dominican Republic with Accompanying Stratigraphic Atlas, Industrial Associates (no. 85-129; \$10,000).
- 1985 Investigations on the Geology of Cuba: Central and Western Cuba, Industrial Associates (A. Salvador, G. Pardo, E. Rosencrantz, co-investigators, \$114,569).
- 1985–86 Geologic Study of the Caribbean-Nazca Plate Boundary in Panama, National Geographic Society (no. 85-102; MA student supported: J. Corrigan; \$10,000).
- 1986–87 Quaternary Vertical Movements within a Strike-Slip Restraining Bend: A Geologic and Isotopic Dating Study of Emerged Coral Reefs in Hispaniola, National Science Foundation-Earth Sciences (no. 86-160; F. W. Taylor, co-investigator, \$50,000).
- 1988–90 Geologic and Seismic Stratigraphic Study of COCOS-NAZCA-CARIB Triple Junction Tectonics, western Panama, American Chemical Society, Petroleum Research Fund (Richard Buffler, co-investigator; MA student supported: R. Kolarsky, \$52,500)
- 1989–91 SeaMARC II and Seismic Reflection Study of Strike-slip Tectonics along the northwestern margins of the Caribbean plate, National Science Foundation-Marine Geology and Geophysics (no. 88-261; Eric Rosencrantz, co-investigator; MA student supported: S. Tyburski, \$180,796).
- 1990–91 Holocene Activity of the North America-Caribbean Plate Boundary: A Fault Trench Study of the Septentrional Fault Zone, Dominican Republic, National Science Foundation-Earth Sciences (no. 90-382; F. W. Taylor, co-investigator, \$90,006).
- 1991–93 Plio-Pleistocene Forearc Deformation at a Ridge-Trench-Trench Triple Junction: A Geologic Study of Emerged Coral Reefs and Marine Sedimentary Rocks in the New Georgia Island Group, Southwest Pacific, National Science Foundation-Earth Sciences (no. 92-501; F. W. Taylor, co-investigator; Ph.D. student supported: A. Quarles, \$120,000).
- 1992–94 Paired Zones of Divergence and Convergence in Orogenic Belts: A Field Study in Western and Central Cuba, National Science Foundation-Earth Sciences (no. 92-495; post-doctoral student supported: M. Gordon, \$100,000).
- 1992–93 Collaborative Research (UTIG and USGS/Menlo Park): Paleoseismic investigations along the Caribbean-North American Plate Boundary (Septentrional fault zone), Dominican Republic, National Earthquake Hazards Reduction Program of the USGS (no. 92-526; C. Prentice, co-investigator, \$50,000).
- 1993–94 Collaborative Research (UTIG and USGS/Menlo Park): Paleoseismic investigations along the Caribbean-North American Plate Boundary (Septentrional fault zone), Dominican Republic, National Earthquake Hazards Reduction Program of the USGS (no. 93-585; C. Prentice, co-investigator, \$29,234).

- 1993–'96 Tectonic Nature and Consequences of the Central Macquarie Ridge Complex, National Science Foundation-Marine Geology and Geophysics (no. 92-526; M. Coffin, C. Frohlich, co-investigators; MS students supported: C. Massell, L. Schurr; \$510,461).
- 1994–'95 A GPS Investigation of the Caribbean-North America plate boundary, National Science Foundation-Geophysics (no. 93-597; C. DeMets, T. Dixon, and P. Jansma., co-investigators, \$10,000).
- 1994–'97 The Southwest Pacific GPS Project, National Science Foundation-Geophysics (no. 94-691; F. Taylor, B. Schutz, co-investigators, \$50,225; MS student supported: J. Lundy).
- 1995–'96 Collaborative Research (UTIG and USGS/Menlo Park): Paleoseismic investigations along the Caribbean-North American Plate Boundary (Septentrional fault zone), Dominican Republic, National Earthquake Hazards Reduction Program of the USGS (no. 94-668; C. Prentice, co-investigator, \$24,000).
- 1995–'98 U. S.-Japan Marine Geophysical Study of the Solomon Island Arc-Ontong Java Plateau Convergent Zone, Southwest Pacific Ocean, National Science Foundation-Marine Geology and Geophysics (no. 93-546; T. Shipley and M. Coffin, co-investigators; MS students supported: E. Phinney, S. Cowley; \$791,480).
- 1994–'96 Structural, Stratigraphic, and Volcanic Response of the Kamchatka Arc to Neogene Shallow Subduction of the Emperor Seamount Chain, National Science Foundation-Earth Sciences (no. 94-650; M. Lagoe, H. Olson, M. Defant, and P. Kepezhinskas, co-investigators; \$118,182).
- 1996–'99 Collaborative Research: Time Transgressive Deformational Effects of Oblique Underthrusting of Aseismic Ridges on the Puerto Rico Trench, National Science Foundation-Marine Geology and Geophysics (no. 95-706; N. Grindlay, J. Dolan, co-investigators; Ph.D. student supported: J. P. van Gestel; \$149,354).
- 1996 Paleoseismology of the Northern Caribbean Plate Boundary in Hispaniola, National Earthquake Hazards Reduction Program of the USGS (no. 96-803; C. Prentice, co-investigator; \$45,000).
- 1998 U. S. Participation in Japanese KH-98 (Leg 1) Cruise to the North Solomon Trench and Ontong Java Plateau: ODP Site Survey in Support of Collisional and Fluid Processes, Joint Oceanographic Institutions-U.S. Science Support Program, (\$20,000).
- 1998–'99 Collaborative Research: A GPS study of Caribbean Plate Kinematics and Distributed Deformation between the North America and Caribbean Plates, NSF-Geophysics (C. DeMets, T. Dixon, and P. Jansma, co-PIs, UTIG budget \$20,000).
- 1999–2002 Global and Local Controls on Depositional Cyclicity: The Canterbury Basin, New Zealand, C. Fulthorpe, P. Mann, and C. Frohlich, co-PIs, Ph.D. student supported C. Hongbo, UTIG budget excluding ship costs, \$610,381).

- 2000–'01 NSF support for GSA Penrose Conference: Subduction to Strike-slip Transitions on Plate Boundaries: Dominican Republic, January, 1999, Structure and Tectonics Program, NSF (P. Mann, PI, for support of meeting) (\$10,000).
- 1999–2001 Tectonic Origin and History of the Chortis Block: Integration of Onshore Geological and Offshore Well and Seismic Data from Eastern Honduras, The Petroleum Research Fund of the American Chemical Society (P. Mann, PI, PhD student supported Rob Rogers) (\$90,000).
- 2000 Collaborative research UTIG and UNCW: Towards an Integrated Understanding of late Holocene fault activity In western Puerto Rico: Offshore geophysical survey (NEHPR program of the U.S. Geological Survey) (\$20,000).
- 2000 Collaborative research UTIG and UNCW: Towards an Integrated Understanding of late Holocene fault activity In western Puerto Rico: Onland scarp mapping and fault trenching (NEHPR program of the U.S. Geological Survey) (\$71,414).
- 2001 Extension for: Collaborative research UTIG and UNCW: Towards an Integrated Understanding of late Holocene fault activity In western Puerto Rico: Offshore geophysical survey (NEHRP program of the U.S. Geological Survey) (\$20,000)
- 2001–'04 Collaborative research: Crust-mantle interactions during continental growth and high-pressure rock exhumation at oblique arc-continent collision zones: SE Caribbean margin (G. Christeson, co-investigator, NSF-Continental Dynamics Program, MS students supported: T. Aitken and D. Gorney) (\$445,968)
- 2001–'03 Active continental extension of eastern Papua New Guinea: Geologic studies of emerged coral reefs and marine sedimentary rocks (F. Taylor, co-investigator, NSF – Tectonics, undergrad research asst. supported: L. Watson) (\$217,450).
- 2002–'06 Regional characterization of the latest Pleistocene and Holocene stratigraphy, structure, and depositional processes of offshore eastern Trinidad and Venezuela, committed sponsors: BHPBilliton, Norsk Hydro, Talisman Energy, ChevronTexaco, ENI-AGIP, ConocoPhillips, Shell, Total, Ministry of Energy and Energy Industries of Trinidad and Tobago, MS students supported: D. Soto, E. Garciacaro (\$280,000).
- 2004–'06 Towards an integrated understanding of regional seismic stratigraphy, age of deformation, basin subsidence, and petroleum systems of the northern margin of Venezuela: Regional 2D seismic lines offshore Venezuela, The Petroleum Research Fund of the American Chemical Society; post-doctoral student supported: A. Escalona (\$80,000).
- 2004–'07 International US-France collaborative research on island fault blocks in the NE Caribbean: Fault kinematics, earthquake potential, and constraints on regional tectonics (NSF-International, Western Europe Program (\$11,647).
- 2005–'10 Collaborative research: St. Elias erosion/tectonics project (STEER) (co-PIs, S. Gulick and G. Christeson, NSF Continental Dynamics Project) PhD student supported L. Lowe—cruise postponed until Spring 2008) (\$843,850).

- 2005–'07 Distinguishing tectonic mechanisms of extension and forearc translation near the Central American volcanic arc by high-resolution seismic profiling in Lakes Nicaragua and Managua (co-PIs, K. McIntosh and P. Mann, NSF MARGINS Subduction Factory, MS student supported: J. Funk; UTIG postdoc supported: S. Wulf (\$288,850).
- 2005–'08 Caribbean basins, tectonics and hydrocarbons (CBTH) (PI: P. Mann, industry consortium, 11 sponsors for Phase 1; one post-doc (H. El-Mowafey) one full time employee (L. Bingham, 1 MS student (E. Vence), two undergraduates (\$1,320,000 over three years).
- 2006–'08 Extension for "Crust-mantle interactions during continental growth and high-pressure rock exhumation at oblique arc-continent collision zones: SE Caribbean margin (G. Christeson, co-investigator, NSF-Continental Dynamics Program, MS student supported: M. Kroehler) (\$261,379).
- 2007–'09 Collaborative research: An integrated tectonic study of the Jamaica strike-slip restraining bend and Gonave microplate using GPS, geomorphologic, seismic, and gravity data, NSF Structure and Tectonics, (\$228,276).
- 2008–'11 Collaborative research: How if rifting exhuming the youngest high-pressure and ultrahigh pressure (HP/UHP) rocks on Earth? (co-PIs: P. Mann and B. Horton, NSF Continental Dynamics) (\$326,853).
- 2007–'08 Assessing site stability at Caracas Bay, Curacao, (M. Hornbach, co-PI, APNA - Algemeen Pensioenfonds van de Nederlandse Antillen) (\$112,862).

INVITED PARTICIPATION AND COMMUNITY SERVICE:

1. Co-chairman (with Burke Burkart), Session Entitled "Tectonostratigraphic Correlation of Late Cretaceous-Early Tertiary Island Arc Rocks in the Caribbean Region," GSA Annual Meeting, Dallas, Texas, October 1990.
2. Co-chairman (with M. J. R. Wortel) Session Entitled "Mediterranean Tectonics," AGU Fall Meeting, San Francisco, California, December 1990.
3. Associate Editor, *Geology*, December, 1990-1992.
4. Invited and JOI-funded participant for ODP planning meeting on Caribbean drilling, Mayaguez, Puerto Rico, February 1994.
5. Invited participant, USGS-organized "Subcon" conference on dynamics of subduction zones, Santa Catalina Island, June 1994.
6. Organizer and co-chairman (with E. Calais) Session Entitled "Quaternary Faults in the Caribbean and their Seismogenic Potential," AGU Fall Meeting, San Francisco, California, December 1994.
7. Organizer and co-chairman (with P. Kepezhinkas) Session Entitled "Tectonics, Volcanology, and Geochemistry of the Kamchatka Convergent Margin," AGU Fall Meeting, San Francisco, California, December 1995.

8. Organizer and co-chairman (with K. Suyehiro) of Fall AGU Session Entitled "The Ontong Java Plateau," AGU Fall Meeting, San Francisco, California, December 1996.
9. Invited editor, *Caribbean Sedimentary Basins* volume of Elsevier's *Basins of the World Series* (Series Editor: K. Hsu).
10. Invited speaker for Union session, "Climatic effects of closure of the Panama seaway" (organizers J. Farrell and T. Crowley), 1997 Fall AGU meeting.
11. JOI-funded participant of University of Tokyo KH-98 cruise to the Solomon Islands and Ontong Java Plateau, January 1998.
12. Invited member of Spring 1998 NSF-Marine Geology and Geophysics review panel, May 1998.
13. JOI-funded participant of NSF-sponsored "Subduction Factory Workshop," La Jolla, California, June 1998.
14. JOI-funded participant of NSF-sponsored "InterRidge Workshop: Mapping and Sampling of the Arctic Ridges," Hanover, Germany, October 16-17, 1998.
15. Organizer and co-chairman (with A. Taira) of Fall AGU Session entitled "Tectonics and Crustal Structure of Oceanic Plateaus and Arcs," AGU Fall Meeting, San Francisco, California, December 1998.
16. Co-convenor with N. Grindlay and J. Dolan of GSA Penrose meeting entitled "Subduction to Strike-slip Transitions on Plate Boundaries," Puerto Plata, Dominican Republic, January 18-24, 1999 (80 participants).
17. Invited member of the AGU meetings committee, 1998–2000.
18. Invited participant in USGS-organized workshop "Seismic and Tsunami Hazards in Puerto Rico and the Virgin Islands," March 23-24, 1999, San Juan, Puerto Rico.
19. Invited speaker, Department of Geology and Geophysics, Yale University, New Haven, CT, April 24, 1999, "Tectonics of Kamchatka."
20. Invited speaker, Total Exploration, Paris, France, December 1, 1999, "Tectonics and sedimentation in Trinidad and Eastern Venezuela."
21. Invited speaker, Deepwater exploration group, Elf Exploration, Pau, France, December 2, 1999, "Tectonics and sedimentation In Trinidad and Eastern Venezuela."
23. Invited speaker, Elf Exploration, Paris, France, "Tectonics of Cuba and the northern Caribbean," December 16, 1999.
20. Associate editor, *Geological Society of America Bulletin*, 2000–present.
21. Invited speaker, University of Puerto Rico, "Overview of active tectonic studies In Puerto Rico," February 10, 2000.

21. Invited speaker, University of Nice-Sophia Antipolis, "Active Tectonics of the Solomon Islands," March 3, 2000.
22. Invited speaker, University of Montpellier, "Origin of strike-slip restraining bends and back-arc basins during oblique collisional events," March 8, 2000.
23. Invited participant, NSF Margins Source to Sink meeting, Lake Tahoe, California, September 2001.
24. Organizer and co-chairman (with C. Prentice) of Fall AGU Session entitled "Integrative approaches to Caribbean neotectonics and seismic hazard," AGU Fall Meeting, San Francisco, California, December 2000.
25. Invited speaker, University of Texas Institute for Geophysics, "Active Tectonics of the Northeastern Caribbean," February 2001.
26. Invited speaker: Caribbean seismic hazard meeting, Santiago, Dominican Republic, July 2001.
27. Invited speaker, Rice University, "Tectonic evolution of the Caribbean with emphasis on Cuba," September 5, 2001.
28. Invited speaker, University of Texas at Austin, "Tectonics of the Solomon Islands," September 20, 2001.
29. Invited member of the visiting committee for the Department of Geography and Geology, University of the West Indies, Kingston, Jamaica (2001-present). I evaluate all exam questions and tests twice a year.
30. Invited regional geology consultant to European Community-funded geologic mapping project of the Dominican Republic (contractor is INYPSA, Madrid, Spain).
31. Invited speaker in graduate basin analysis class at UT Austin (Prof. Bill Galloway), "Tectonic Setting of the World's Giant Oil Fields," January 30, 2002.
32. Invited speaker in graduate tectonics class at UT Austin (Prof. Mark Cloos, coordinator), "Tectonic Setting of Sedimentary Basins," February 28, 2002.
33. Organized visit of fourth grade science class of the Kirby Hall School to UTIG on March 5, 2002.
34. Invited speaker, Dept. of Earth and Atmospheric Sciences, Purdue University, "Two styles of Cenozoic continental growth observed in the Caribbean, Solomon Islands, and other convergent margin settings," October 24, 2002.
35. Invited co-convenor of session at the Annual Meeting of the Seismological Society of America in San Juan, Puerto Rico, "Recent Advances in Caribbean and Latin American Neotectonics, Paleoseismology, and Seismic Hazards," April 30-May 2, 2003.
36. Invited co-leader of two day field trip for the Annual Meeting of the Seismological Society of America to active tectonic areas of southern and western Puerto Rico, May 3-4, 2003.

37. Invited speaker, Department of Earth Sciences, Syracuse University, "Active continental rifting and metamorphic core complex formation in eastern Papua New Guinea," September 25, 2003.
38. Invited co-leader of group of scientists for followup studies to the Dominican earthquake of September 22, 2003 (cf. webpage at: http://www.ig.utexas.edu/outreach/dr_earthquake/index.htm)
39. SEPM best student poster award, 2002 Dallas AAPG annual meeting: Jaimes, M. (MS student) and **Mann, P.**, 2002, Tectonic origin of the Cariaco basin: Pull-apart, extinct pull-apart, or fault-normal extension?, AAPG abstracts.
40. Invited speaker, Department of Geology, University of Texas at El Paso, "Styles of Cenozoic terrane accretion and continental growth," September 9, 2004.
41. AGU outstanding student paper award, 2003, fall AGU meeting: Lu, H. (PhD student), Fulthorpe, C., and **Mann, P.**, 2004, Global sea level versus local control of Middle Miocene to Recent sequences on a current-swept divergent margin: Offshore Canterbury basin, AGU abstract volume.
42. SEPM best poster award, 2004 Dallas AAPG annual meeting: Mize, K. (MS student), Wood, L., and **Mann, P.**, 2004, Controls on morphology and development of deep-marine channels, eastern offshore Trinidad and Venezuela, AAPG abstracts, v. 88, no. 13.
43. AGU outstanding student paper award, 2004 fall AGU meeting: Moscardelli, L., (PhD student), Wood, L., and **Mann, P.**, 2004, Debris flow architecture and processes in offshore Trinidad: Implications for basin fill in tectonically active margins, AGU abstract volume.
44. Taught (with M. Horn) two-day shortcourse for AAPG: *Giant oil and gas fields: Global inventories, tectonic settings, stratigraphic framework, and predictive parameters*, February 14-15, 2005, Houston, Texas.
45. Taught (with A. Escalona) two-day shortcourse for AAPG: *Overview of the subsurface petroleum geology of northern South America: From mature onland supergiants to offshore frontiers*, May 23-24, 2005, Houston, Texas.
46. Invited speaker, Department of Geological Sciences, University of South Carolina, "Tectonics of northern South America," August 23, 2005.
47. Co-convenor of three-day international conference, *Tectonics of strike-slip restraining and releasing bends in continental and oceanic settings*, Geological Society of London, September 28-30, 2005.
48. Invited speaker, UT LAMP program - Learning Activities for Mature People, Austin, Texas, "Earthquakes and tsunamis along active plate boundaries," February 7, 2006.
49. Invited speaker, Department of Geosciences, Trinity University, San Antonio, Texas, "Tectonics of northern South America," February 28, 2006.
48. Co-convenor, IODP drilling workshop, *Tectonics, Circulation, and Climate in the Caribbean Gateway*, March 30-April 1, 2006, Austin, Texas.

49. Taught (with A. Escalona and W. Galloway) three-day short course for AAPG, *Jurassic-Recent subsurface geology, paleogeography, and regional tectonics of the Gulf of Mexico and Caribbean region*, September 11-13, 2006.
50. Invited speaker, Meeting of the origin of the Caribbean plate, Geological Society of London, Siquenza, Spain, May 29-June 2, 2006.
51. Invited speaker, Meeting on Tectonics, Biogeography, and Biologic Diversity in the Caribbean, Punta Cana, Dominican Republic, July 9-11, 2006.
51. Invited speaker, Department of Geological and Mining Engineering and Sciences, Michigan Technological University, Houghton, Michigan, "Remaining tectonic problems in Central America," October 16, 2006.
52. Invited co-convenor, Symposium on Caribbean tectonics, 4th Geologic Society of Trinidad and Tobago Conference, June 17-20, 2007.
53. Invited shortcourse taught (with A. Escalona) two day short course for AAPG, *Jurassic-Recent subsurface geology, paleogeography, and regional tectonics of the southeastern Caribbean region*, 4th Geologic Society of Trinidad and Tobago Conference, June 17-20, 2006.

PUBLICATIONS (1981-PRESENT:

*** DENOTES GRADUATE STUDENT CO-AUTHOR;**

**** DENOTES UNDERGRADUATE STUDENT CO-AUTHOR):**

Papers published while a Ph.D. candidate at SUNY-Albany

1. **Mann, P.**, and K. Burke, 1981, Neogene Wrench Faulting in the Wagwater Belt, Jamaica: *Transactions Caribbean Geological Conference*, 9th, Santo Domingo, p. 95-97.
2. **Mann, P.**, M. R. Hempton*, D. C. Bradley* and K. Burke, 1983, Development of Pull-apart Basins, *J. Geol.*, v. 91, p. 529-554. Reprinted in: *Structural Concepts and Techniques, II: Basement Involved Deformation*, AAPG Treatise of Petroleum Geology Reprint Series, No. 10, 1989, p. 1-26.
3. Burke, K., J. C. Cooper*, J. F. Dewey, **P. Mann**, and J. L. Pindell*, 1984, Caribbean Tectonics and Relative Plate Motions, *in* The Caribbean-South American Plate Boundary and Regional Tectonics, *Geological Society of America Memoir* 162, p. 31-63.

Began work at UTIG, October, 1983 (much of 1984 was spent in the Dominican Republic on a fellowship from the Organization of American States)

4. **Mann, P.**, F. W. Taylor, K. Burke, and R. Kulstad, 1984, Subaerially Exposed Holocene Coral Reef, Enriquillo Valley, Dominican Republic, *Geological Society of America Bulletin*, v. 95, p. 1084-1092. UTIG no. 555.
5. **Mann, P.**, K. Burke, and T. Matumoto, 1984, Neotectonics of Hispaniola: Plate Motion, Sedimentation, and Seismicity at a Restraining Bend, *Earth and Planetary Science Letters*, v. 70, p. 311-324, UTIG no. 591.

6. **Mann, P.**, and K. Burke, 1984, Neotectonics of the Caribbean, *Reviews of Geophysics and Space Physics*, v. 22, p. 309-362. UTIG no. 592.
7. **Mann, P.**, and K. Burke, 1984, Cenozoic Rift Development in the northern Caribbean, *Geology*, v. 12, p. 732-736. UTIG no. 593.
8. Taylor, F. W., **P. Mann**, S. Valastro, Jr., and K. Burke, 1985, Stratigraphy and Radioisotopic Chronology of a Subaerially Exposed Holocene Coral Reef, Dominican Republic, *Journal of Geology*, v. 93, p. 311-332. UTIG no. 604.
9. **Mann, P.**, G. Draper, and K. Burke, 1985, Neotectonics of a Strike-Slip Restraining Bend System, Jamaica, in K. T. Biddle, and N. Christie-Blick, eds., *SEPM Special Publication* no. 37, p. 211-226. UTIG no. 606.
10. Eva, A. N., K. Burke, **P. Mann**, and G. Wadge, 1989, Four-phase Tectonostratigraphic Development of the Southern Caribbean, *Marine and Petroleum Geology*, v. 6, p. 9-21. **UTIG no. 752.**
11. Corrigan, J., C.*, **Mann, P.**, and J.C. Ingle, Jr., 1990, Forearc Response to Subduction of the Cocos Ridge, Panama-Costa Rica, *Geological Society of America Bulletin*, v. 102, p. 628-652. UTIG no. 734.
12. **Mann, P.**, and Corrigan, J. C.*, 1990, Model for late Neogene deformation in Panama: *Geology*, v. 18, p. 558-562. UTIG no. 788.
13. **Mann, P.**, and Burke, K., 1990, Transverse Intra-arc Rifting: Palaeogene Wagwater Belt, Jamaica, 1990, *Marine and Petroleum Geology*, v. 17, p. 410-427. UTIG no. 785.
14. **Mann, P.**, Schubert, C., and Burke, K., 1990, Review of Caribbean Neotectonics, in Dengo, G., and Case, J. E., eds., *The Caribbean region: Boulder, Colorado*, Geological Society of America, *The Geology of North America*, v. H, p. 307-338. UTIG no. 660.
15. Taylor, F. W., and **Mann, P.**, 1991, Late Quaternary Folding of Coral Reef Terraces, Barbados: *Geology*, v. 19, p. 103-106. UTIG no. 735.
16. Heubeck, C.*, **Mann, P.**, Dolan, J., and Monechi, S., 1991, Diachronous Uplift and Recycling of Sedimentary Basins during Cenozoic Tectonic Transpression, Northeastern Caribbean Plate Margin: *Sedimentary Geology*, v. 70, p. 1-32. UTIG no. 828.
17. Heubeck, C.*, and **Mann, P.**, 1991, Geologic Evaluation of Plate Kinematic Models for the Northern Caribbean Plate Boundary Zone, *Tectonophysics*, v. 191, p. 1-26. UTIG no. 824.
18. Rosencrantz, E., and **Mann, P.**, 1991, SeaMARC II mapping of transform faults in the Cayman Trough, Caribbean Sea: *Geology*, v. 19, p. 690-693. UTIG no. 859.
19. **Mann, P.**, and Lawrence, S. R., 1991, Petroleum Potential of Southern Hispaniola: *Journal of Petroleum Geology*, v. 14, p. 291-308. UTIG no. 882.
20. **Mann, P.**, Tyburski, S. A.*, and Rosencrantz, E., 1991, Neogene Development of the Swan Islands restraining-bend complex, Caribbean Sea, *Geology*, v. 19, p. 823-826. UTIG no. 864.

21. **Mann, P.**, Draper, G., and Lewis, J., 1991, Overview of the Geologic and Tectonic Development of Hispaniola, in Mann, P., Draper, G., and Lewis, J. F., eds., *Geologic and Tectonic Development of the North America-Caribbean Plate Boundary in Hispaniola*, GSA Special Paper 262, p. 1-28. UTIG no. 876.
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1. **Mann, P.**, Lebron, M. C., Rodriquez, J., and Heubeck, C., 1991, Geologic map of the southern Dominican Republic (3 sheets), in Mann, P., Draper, G., and Lewis, J. F., eds., *Geologic and Tectonic Development of the North America-Caribbean Plate Boundary in Hispaniola*, GSA Special Paper 262, scale 1:150,000.
2. Lebron, M. C., and **Mann, P.**, 1991, Geologic map of the eastern Dominican Republic (3 sheets), in Tectonic Development of the North America-Caribbean Plate Boundary Zone in Hispaniola, in Mann, P., Draper, G., and Lewis, J. F., eds., *Geologic and Tectonic Development of the North America-Caribbean Plate Boundary in Hispaniola*, GSA Special Paper 262, scale 1:150,000.
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1. **Mann, P.**, 1992, Review of "Geological Map of the Caribbean" by A. Mascle and J. Letouzey, *Journal of Marine and Petroleum Geology*, v. 9, p. 574. UTIG no. 973.
2. **Mann, P.**, 1992, Review of "Tectonics of Suspect Terranes: Mountain Building and Continental Growth" by D. G. Howell, *Journal of Geological Education*, v. 40, p. 434. UTIG no. 1036.

TALKS AND POSTERS PRESENTED AT MEETINGS, 2000-2007

1. **Mann, P.**, Grindlay, N., van Gestel, J., and Dolan, J., 2000, Regional effects of oblique collision of the Bahamas platform in the Hispaniola-Puerto Rico area: *EOS*, Trans. American Geophys. Union, v. 81, p. F1180.
2. Calais, E., **Mann, P.**, Ruegg, J. C., DeMets, C., Dixon, T., Jansma, P., Mattioli, G., and Bilham, R., 2000, Crustal deformation in the northeastern Caribbean from GPS measurements: *EOS*, Trans. American Geophys. Union, v. 81, p. F1180.
3. Jansma, P., Mattioli, G., Lopez, A., DeMets, C., Dixon, T., **Mann, P.**, and Calais, E., 2000, Neotectonics of Puerto Rico and the Virgin Islands, northeastern Caribbean, from GPS geodesy: Implications for seismic hazard: *EOS*, Trans. American Geophys. Union, v. 81, p. F1180.
4. Grindlay, N., Abrams, L., **Mann, P.**, and Del Greco, L., 2000, A high-resolution sidescan and seismic survey reveals evidence of late Holocene fault activity, offshore western and central Puerto Rico: *EOS*, Trans. American Geophys. Union, v. 81, p. F1181.
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6. Lao-Davila, D., **Mann, P.**, Prentice, C., and Draper, G., 2000, Late Quaternary activity of the Cerro Goden fault zone, transpressional uplift of the La Cadena Range, and their possible relation to the opening of the Mona rift, western Puerto Rico: *EOS*, Trans. American Geophys. Union, v. 81, p. F1181.
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8. Lu, H., Fulthorpe, C., and **Mann, P.**, 2000, Global and local controls on depositional cyclicity: the Canterbury basin, New Zealand: *EOS*, Trans. American Geophys. Union, v. 81, p. F737.
9. **Mann, P.**, Gahagan, L., and Gordon, M., 2001, Classification of the tectonic setting of the world's giant oil fields, AAPG Annual meeting, June 3-6, Denver, Colorado.
10. **Mann, P.**, Weber, J., and Wood, L., 2001, Tectonic framework for Trinidad and its eastern offshore area, AAPG Annual meeting, June 3-6, Denver, Colorado.

11. **Mann, P.**, 2001, Progress report on active tectonic studies in the Dominican Republic and Puerto Rico, Caribbean Seismic Hazards meeting, Santiago, Dominican Republic, July 2001.
12. **Mann, P.**, and DeMets, C., 2001, Geologic implications of Caribbean-Cocos plate convergence in Central America, NSF Margins Subduction Factory meeting, San Jose, Costa Rica, July 2001.
13. **Mann, P.**, McIntosh, K., Rogers, R., and Gahagan, L., 2001, Tectonic framework for the Central American subduction factory, NSF Margins Subduction Factory meeting, San Jose, Costa Rica, July 2001.
14. Dalziel, I., Lawver, L., Gahagan, L., and **Mann, P.**, 2001, Intercratonic arcs: The Caribbean and Scotia arcs: GSA Annual Meeting, October 2001.
15. Castillo, V., **Mann, P.**, and Bally, A., 2002, Deeply buried, Mid-Cretaceous limestone karst surface, southern Maracaibo basin, inferred from 3-D seismic reflection data: AAPG meeting, May 2002.
16. Castillo, V., **Mann, P.**, and Bally, A., 2002, 3-D seismic reflection interpretation of the southern end of the Icoetea and VLE fault trends in the southern Maracaibo basin, Venezuela: AAPG meeting, May 2002.
17. **Mann, P.**, and Taylor, F., 2002, Emergent late Quaternary coral reefs of eastern Papua New Guinea constrain the regional pattern of oceanic ridge propagation: EOS, Trans. American Geophys. Union, v. 83, p. F1260.
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23. Prentice, C., and **Mann, P.**, 2003, Paleoseismology of the Lajas fault zone, southwestern Puerto Rico, Annual Meeting of the Seismological Society of America, San Juan, Puerto Rico, April 30-May 2, 2003.

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27. **Mann, P.**, and Wood, L., 2003, Late Quaternary transpressional deformation along the submarine extension of the Warm Springs-Central Range fault zone, eastern offshore Trinidad, AAPG annual meeting, Salt Lake City, Utah, May 11-14, 2003.
28. Escalona, A., and **Mann, P.**, 2003, Paleogene depocenter along the northeast margin of Lake Maracaibo, Venezuela: Thrust or strike-slip component? AAPG annual meeting, Salt Lake City, Utah, May 11-14, 2003.
29. Jaimes-Carvajal, M., and **Mann, P.**, Tectonic origin of the Cariaco basin, Venezuela: Pull-apart, extinct pull-apart, or fault-normal extension? AAPG annual meeting, Salt Lake City, Utah, May 11-14, 2003 (poster won SEPM student award).
30. Lu, H., Fulthorpe, C., and **Mann, P.**, Three-dimensional architecture of shelf-building sediment drifts in the offshore Canterbury basin, New Zealand, AAPG annual meeting, Salt Lake City, Utah, May 11-14, 2003.
31. Wood, L., and **Mann, P.**, 2003, Shale diapirs, mud volcanos, and fluid systems in offshore Trinidad and eastern Venezuela, AAPG International meeting, Barcelona, Spain, September, 2003.
32. **Mann, P.**, Taylor, F., Lavier, L., and van Avendonk, H., 2003, Geological constraints and numerical models of concave-downward normal faulting and metamorphic core complex formation in eastern Papua New Guinea, v. 84, T12A, AGU fall meeting, San Francisco.
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35. Escalona, A., Sena, A., and **Mann, P.**, 2003, Basement blocks and basement inversion structures mapped using reprocessed Gulfex 2D seismic data, AGU fall meeting, San Francisco.
36. Hearne, M., Grindlay, N., and **Mann, P.**, 2003, Landslide deposits, cookie-bites, and crescentic fracturing along the northern Puerto Rico-Virgin Islands margin: Implications for potential tsunamigenesis, AGU fall meeting, San Francisco.

37. Escalona, A., and **Mann, P.**, 2004, Regional tectonics, stratigraphy, reservoir characterization, and petroleum systems in an Eocene foreland basin, Maracaibo basin, Venezuela, AAPG annual meeting, Dallas, April, 2004 (extended abstract published in AAPG *Search and Discovery*: <http://www.searchanddiscovery.com/documents/2003/escalona/index.htm>)
38. **Mann, P.**, Wood, L., and Sullivan, S., Along-strike segmentation of Pliocene-Recent normal fault systems, eastern offshore Trinidad, AAPG annual meeting, Dallas, April 2004.
39. Mize, K., Wood, L., and **Mann, P.**, Controls on the morphology and development of deep-marine channels, eastern offshore Trinidad and Venezuela, AAPG annual meeting, Dallas, April 2004.
40. Moscardelli, L., Wood, L., and **Mann, P.**, Debris flow depositon and controls on slope to basin deposition, offshore Trinidad, AAPG annual meeting, Dallas, April 2004.
41. Moscardelli, L., Wood, L., and **Mann, P.**, Debris flow architecture and processes in offshore Trinidad: Implications for basin fill in tectonically active margins, AGU fall meeting, December 2004.
42. Levander, A., **Mann, P.**, Ave Lallemand, H., Schmitz, M., and BOLIVAR study group, The SE Caribbean Continental Dynamics Project, AGU fall meeting, Decembe, 2004.
43. Gorney, D., **Mann, P.**, Escalona, A., and BOLIVAR study group, Chronology of tectonic events in western Venezuela based on integration of BOLIVAR MCS data with wells and onland data, AGU fall meeting, December 2004.
44. Escalona, A., **Mann, P.**, and BOLIVAR study group, Tectonic reconstruction of sedimentary basins associated with the proto-Maracaibo and proto-Orinoco Rivers: Constraints from BOLIVAR and GULFREX seismic data, AGU fall meeting, December 2004.
45. Kroehler, M., **Mann, P.**, Escalona, A., Christeson, G., and BOLIVAR study group, Tectonic evolution of the central Venezuelan margin from integration of BOLIVAR and GULFREX MCS data, AGU fall meeting, December, 2004.
46. Christeson, G., **Mann, P.**, Aitken, T., and BOLIVAR study group, Crustal structure of the southern Lesser Antilles arc: Integration of BOLIVAR wide-angle and MCS data, AGU fall meeting, December 2004.
47. Aitken, T., **Mann, P.**, Christeson, G., and BOLIVAR study group, BOLIVAR and GULFREX MCS data constrain closure of the Grenada backarc basin during oblique collision between the Lesser Antilles arc system and northern South America, AGU fall meeting, December 2004.
48. Soto, D., **Mann, P.**, Wood, L., and BOLIVAR study group, Tectonics of eastern offshore Trinidad based on integration of BOLIVAR 2D seismic lines with industry 3D seismic surveys: AGU fall meeting, December, 2004.
49. Chaderton, N., Wood, L., and **Mann, P.**, Structure and stratigraphy of the Barbados accretionary prism and the Tobago forearc basin, AGU fall meeting, December 2004.

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51. Meckel, T., **Mann, P.**, Mosher, S., and Coffin, M., Influence of cumulative boundary-normal convergence on topography and thrust fault development in oceanic lithosphere: The Australia-Pacific plate boundary south of New Zealand since 10.9 Ma: AGU fall meeting, December 2004.
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55. Rogers, R., **Mann, P.**, DeMets, C., Tenorio, C., and Rodriguez, M., 2005, , Two styles of active transtensional deformation along the western North America-Caribbean plate boundary zone, Geological Society of America meeting, Salt Lake City, October 16-19, 2005.
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57. Christeson, G., Aitken, T.*, **Mann, P.**, and Escalona, A., 2005, BOLIVAR project; A new model for the Grenada and Tobago basin evolution, Fall AGU meeting, San Francisco, California, December 5-9, 2005.
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60. Christeson, G., Aitken, T.*, **Mann, P.**, and Escalona, A., 2005, BOLIVAR project; A new model for the Grenada and Tobago basin evolution, Fall AGU meeting, San Francisco, California, December 5-9, 2005.
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62. **Mann, P.**, Christeson, G., Escalona, A., Levander, A., Zelt, C., Magnani, B., Sawyer, D., and Schmitz, M., 2006, Plumbing the depths of the Caribbean-South American arc-continent collisional zone using long seismic reflection and refraction transects, Annual AAPG meeting, Houston, Texas, April 9-12, 2006.
63. **Mann, P.**, Horn, M., and Cross, I., 2006, Tectonic setting of 31 giant oil and gas fields discovered from 2000-2005: Implications for future discovery trends, Annual AAPG meeting, Houston, Texas, April 9-12, 2006.
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67. Castellanos, H.*, **Mann, P.**, and Clare, A., 2006, Sequence stratigraphy and structure of the Miocene Guantao and Pliocene Minghuazhen Formations, Zhao Dong field, Bohai Bay, China, Annual AAPG meeting, Houston, Texas, April 9-12, 2006.
68. Escalona, A., **Mann, P.**, and Gorney, D.*, 2006, Multiphase tectonic evolution of northwestern Venezuela and its offshore area: Implications for the distribution of source and reservoir rocks, Annual AAPG meeting, Houston, Texas, April 9-12, 2006.
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73. **Mann, P.**, Peterson, L., and Droxler, A., Report on the International Ocean Drilling Program (IODP) workshop on Caribbean drilling held in Austin, Texas, March 30-April 2, 2006, The Geological Society of London International Conference on "The Origin of the Caribbean Plate," Sigüenza, Spain, May 29-June 2, 2006.
74. Funk, J.*, **Mann, P.**, McIntosh, K., Wulf, S., Dull, R., Perez, P., and Strauch, W., 2006, Results from NICLAKES survey of active faulting beneath Lake Nicaragua, Central American volcanic arc, AGU fall meeting, San Francisco, California, December 11-15.
75. McIntosh, K., Funk, J.*, **Mann, P.**, Perez, P., and Strauch, W., 2006, Results from NICLAKES survey of active faulting beneath Lake Managua, Central American volcanic arc, AGU fall meeting, San Francisco, California, December 11-15.
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77. Nordfjord, S., Escalona, A., **Mann, P.**, and Galloway, W., 2007, Linking tectonic and sedimentary events in the northern Caribbean and southern Gulf of Mexico, AAPG Annual Meeting, Long Beach, California, April 1-4, 2007.
78. **Mann, P.**, Horn, M., and Cross, I., 2007, Emerging trends from 69 giant oil and gas fields discovered from 2000-2006, AAPG Annual Meeting, Long Beach, California, April 1-4, 2007. Audio of talk posted online by AAPG: <http://www.conferencearchives.com/aapg2007/sessions/player.html?sid=07041210>
79. Contreras, D.*, **Mann, P.**, Escalona, A., and Nunez, M., 2007, Structure, stratigraphy, and gas potential of the northwestern Eocene Maracaibo foreland basin, western Venezuela, AAPG Annual Meeting, Long Beach, California, April 1-4, 2007.
80. Vence, E.*, Escalona, A., and **Mann, P.**, 2007, Along-strike continuity of Caribbean tectonic terranes and their controls on source and reservoir rocks offshore Colombia and Venezuela: AAPG Annual Meeting, Long Beach, California, April 1-4, 2007.
81. El-Mowafy, H., **Mann, P.**, and Escalona, A., 2007, Hydrocarbon potential of the Aruba and Western Curacao basins, offshore Venezuela: AAPG Annual Meeting, Long Beach, California, April 1-4, 2007.
82. Bingham, L., Escalona, A., and **Mann, P.**, 2007, Building an integrated digital database using HTML and GIS tools: A case study for the northern South American petroleum province: AAPG Annual Meeting, Long Beach, California, April 1-4, 2007.
83. Escalona, A., **Mann, P.**, and Lavier, L., 2007, Kinematic model linking basin subsidence and fault evolution along the obliquely convergent South America-Caribbean plate boundary zone: AAPG Annual Meeting, Long Beach, California, April 1-4, 2007.
84. Hanzlik-Valentin, M.*, **Mann, P.**, Escalona, A., Grindlay, N., and Abrams, L., 2007, Reconstructing paleogeography and sea level history of western Puerto Rico using high resolution, 2D seismic profiles: AAPG Annual Meeting, Long Beach, California, April 1-4, 2007.

85. Castellanos, H., and **Mann, P.**, 2007, Regional tectonic controls on reservoir and seal quality of Mio-Pliocene fluvial-channel sandstones, Bohai basin, eastern China: AAPG Annual Meeting, Long Beach, California, April 1-4, 2007.
86. McIntosh, K., Fulthorpe, C., Stephens, J.*, **Mann, P.**, and Funk, J.*, 2007, Stratigraphic and structural investigations of Nicaraguan forearc and intra-arc tectonics, NSF workshop to integrate Subduction Factory and seismogenic zone studies in Central America, Heredia, Costa Rica, June 18-22, 2007.
87. Wulf, S., Dull, R., **Mann, P.**, McIntosh, K., Funk., J.*, and Gardner, J., 2007, Extracting paleoclimate records and the eruptive history of Central American volcanoes from Late Pleistocene lake bottom sediments of Lake Nicaragua (Nicaragua), NSF workshop to integrate Subduction Factory and seismogenic zone studies in Central America, Heredia, Costa Rica, June 18-22, 2007.
88. Funk, J.*, McIntosh, **Mann, P.**, Stephens, J.*, and Wulf, S., 2007, Tectonic mechanisms for the opening of the Nicaragua depression: NSF workshop to integrate Subduction Factory and seismogenic zone studies in Central America, Heredia, Costa Rica, June 18-22, 2007.
89. **Mann, P.**, Garciacaro, E., Soto, D., and Escalona, A., 2007, 3D evolution of the Columbus basin and Darien Ridge, SE Caribbean, 4th Geological Society of Trinidad and Tobago Conference, Port of Spain, Trinidad, June 17-20, 2007.
90. Bingham, L., Escalona, A., and **Mann, P.**, 2007, Building an integrated, digital database using HTML and GIS tools: A case study for the northern South America petroleum province: 4th Geological Society of Trinidad and Tobago Conference, Port of Spain, Trinidad, June 17-20, 2007.
91. Escalona, A., and **Mann, P.**, 2007, Overview of the subsurface geology of on- and offshore northern South America: Implications for hydrocarbon distribution: 4th Geological Society of Trinidad and Tobago Conference, Port of Spain, Trinidad, June 17-20, 2007.

GRADUATE STUDENT SUPERVISION AS PRIMARY ADVISOR (1986-2004):

1. Corrigan, J.D., 1986, Geology of the Burica Peninsula, Panama-Costa Rica: Neotectonic Implications for the Southern Middle America Convergent Margin, unpubl. MA thesis, Univ. Texas at Austin, 152 p. (now with Zetaware, Inc., Houston, Texas).
2. de Zoeten, R., 1988, Structure and Stratigraphy of the Central Cordillera Septentrional, Dominican Republic, unpubl. MA thesis, Univ. Texas at Austin, 168 p., (Vols. 1 and 2) (now with Chevron, Houston, Texas).
3. Heubeck, C., 1988, Geology of the Southeastern Termination of the Cordillera Central, South-central Hispaniola, Greater Antilles, unpubl. MA thesis, Univ. Texas at Austin, 251 p., (Vols. 1 and 2) (now geology professor, University of Berlin).
4. Lamar, M.E., 1990, Structure and Stratigraphy of Pliocene Evaporites, Enriquillo Valley, Dominican Republic, unpubl. MA thesis, Univ. Texas at Austin, 181 p. (now a medical doctor, Waco, Texas).

5. Tyburski, S. A., 1992, Deformational Mechanisms along Active Strike-slip Faults: SeaMARC II and Seismic Data from the North America-Caribbean Plate Boundary, unpubl. MA thesis, Univ. Texas at Austin, 194 p. (now living in Calgary, Canada).
6. Kolarsky, R. A., 1992, Late Cretaceous-Cenozoic Tectonics and Sedimentation in Southern Central America (Costa Rica and Panama): unpubl. MA thesis, Univ. Texas at Austin, 351 p. (now at Watson Energy, Mandeville, Louisiana).
7. Phinney, E., 1997, Sequence Stratigraphy, Structure and Tectonics of the Southern Ontong Java Plateau and Malaita Accretionary Prism, Solomon Islands: unpubl. MA thesis, Univ. of Texas at Austin, 128 p. (now with BP, Cairo, Egypt).
8. Cowley, S., 1998, Oligocene to Recent Stratigraphic and Tectonic History of the Central Solomon Intra-arc Basin As Determined from Marine Seismic Data and Onshore Geology: unpubl. MA thesis, Univ. of Texas at Austin, 103 p. (now with BP, Cairo, Egypt).
9. Castillo, V., 2001, Structural analysis of Cenozoic fault systems using 3D seismic data in the southern Maracaibo basin, Venezuela, unpubl. Ph.D. dissertation, Univ. of Texas at Austin, 188 p. (now with Eni Dacion, B.V., and lecturer at Simon Bolivar University, Caracas, Venezuela).
10. Jaimes Carvajal, M., 2003, Paleogene to recent tectonic and paleogeographic evolution of the Cariaco basin, Venezuela, unpubl. MS thesis, Univ. of Texas at Austin, 94 p. (now with PDVSA, Caracas, Venezuela).
11. Rogers, R., 2003, Jurassic-recent tectonic and stratigraphic history of the Chortis block of Honduras and Nicaragua (northern Central America), unpubl. Ph.D. dissertation, Univ. of Texas at Austin, 264 p (now assistant geology professor at the California State University, Stanislaus).
12. Escalona, A., 2003, Regional tectonics, sequence stratigraphy, and reservoir properties of Eocene clastic sedimentation, Maracaibo basin, Venezuela, unpubl. Ph.D. dissertation, Univ. of Texas at Austin, 222 p (now associate professor at Stavanger University in Norway).
13. Aitken, T., 2005, Cenozoic stratigraphic and tectonic history of the Grenada and Tobago basins as determined from marine seismic data, wells, and onland geology, unpubl. MS thesis, Univ. of Texas at Austin, 89 p. (now with Devon Energy, Houston, Texas).
14. Gorney, D., 2005, Chronology of Cenozoic tectonic events in western Venezuela and the Dutch Antilles Islands based on integration of offshore seismic reflection data and onland geology, unpubl. MS thesis, Univ. of Texas at Austin, 103 p. (now with Marathon, Houston, Texas).
15. Garciacaro, E., 2006, Stratigraphic architecture and basin fill evolution of a plate margin basin, eastern offshore Trinidad and Venezuela, unpubl. MS thesis, Univ. of Texas at Austin, 84 p. (now with Statoil, Houston, Texas).
16. Hanzlik, M., 2006, Late Quaternary seismic stratigraphy and structure of the western insular shelf margin of Puerto Rico, unpubl. MS thesis, Univ. of Texas at Austin, 84 p. (now with ExxonMobil, Houston, Texas).

17. Castallanos, Hugo, 2007, Sequence stratigraphy and tectonics of the Guantao and Minghuazhen Formations, Zang Dong field, Bohai Bay, China, unpubl. PhD dissertation, Univ. of Texas at Austin, 242 p. (W. Fisher and P. Mann, co-chairmen) (now with Apache Corporation, Houston, Texas).
18. Soto, D., 2007, Structural and basinal architecture and active strike-slip faulting of the eastern offshore area of Trinidad, unpubl. MS thesis, Univ. of Texas at Austin, 96 p. (now with Marathon Oil, Houston, Texas).
19. Funk, J., 2007, Cenozoic tectonics of the Nicaraguan depression, Nicaragua, and Median trough, El Salvador, based on seismic reflection profiling and remote sensing data, unpubl. MS thesis, Univ. of Texas at Austin, 188 p. (now with Devon Energy, Houston, Texas).
20. Kroehler, M., Tectonics of the South Caribbean deformed belt and Venezuelan basin, MS candidate (expected date of graduation, Fall 2007).
21. Contreras, D. Seismic stratigraphy and tectonics of the northern Maracaibo basin, MS candidate (expected date of graduation, Spring 2008).
22. Vence, E. Seismic stratigraphy and tectonics of the western Guajira margin of Colombia, MS candidate (expected date of graduation, spring, 2008).

UNDERGRADUATE STUDENT SUPERVISION (2006-2007):

1. Will King (UT senior geology major), Active fault studies in Curacao and Jamaica (in progress)
2. Rebecca Boon (UT senior geology and geography major), Tsunami records from coring studies in Curacao (in progress).

PH.D. AND M.S. COMMITTEE WORK IN THE UT DEPARTMENT OF GEOLOGICAL SCIENCES (1990-2004)

1. Gordon, M. B., 1990, Strike-slip Faulting and Basin Formation at the Guayape fault-Valle de Cacamamas Intersection, Honduras, Central America, unpubl. Ph.D. dissertation, Univ. of Texas at Austin, 259 p. (W. Muehlberger, chairman; now with Repsol YPF, Houston, TX).
2. Meneses-Rocha, J., 1991, Tectonic Development of the Ixtapa graben, Chiapas, Mexico, unpubl. Ph.D. dissertation, Univ. of Texas at Austin, 308 p. (W. Muehlberger, chairman; now at PEMEX, Mexico City, Mexico)
3. Lugo, J. M., 1991, Cretaceous to Neogene Tectonic Control on Sedimentation: Maracaibo Basin, Venezuela, unpubl. Ph.D. dissertation, Univ. Texas at Austin, 219 p. (A. Salvador, chairman; now a consultant, Caracas, Venezuela)
4. Cunningham, W. D., 1993, Geological Investigations at the Southern Tip of the Americas: The Development of the Patagonian Orocline and Uplift of the Cordillera Darwin Metamorphic Complex, Southernmost Chile, unpubl. Ph.D. dissertation, Univ. of Texas at Austin, 259 p. (I. Dalziel, chairman; now senior lecturer at Univ. of Leicester, U.K.).

5. Marton, G., 1995, Jurassic Evolution of the Southeastern Gulf of Mexico, unpubl. Ph.D. dissertation, Univ. of Texas at Austin, 220 p. (R. Buffler, chairman; now with BP, Angola).
6. Babb, S., 1997, Tectonics and sedimentation of the Gulf of Paria and Northern Basin, Trinidad, unpubl. Ph.D. dissertation, Univ. of Texas at Austin, 200 p. (R. Buffler; now with British Gas, Port-of-Spain, Trinidad).
7. Jimenez, J., 1997, Structural styles of the Andean foothills, Putumayo basin, Colombia, unpubl. M.S. thesis, University of Texas at Austin, 74 p. (R. Marrett, chairman; now with IHS Energy Group, Houston, TX).
8. Rodriguez, Luis O., 1999, Tectonic analysis, stratigraphy, and depositional history of the Miocene sedimentary section in the central part of the Eastern Venezuelan Basin (West of Anzoategui State), unpubl. Ph.D. dissertation, University of Texas at Austin, 158 p. (W. Galloway, chairman; now with PDVSA, Caracas, Venezuela).
9. van Gestel, Jean-Paul, 2000, I, Tectonics of the Puerto Rico trench and Puerto Rico-Virgin Islands Platform as Determined from Studies of Seismic Reflection Data; II, Migration of Ground Penetrating Radar Data, unpubl. Ph.D. dissertation, Univ. of Texas at Austin, 213 p. (P. Stoffa, chairman; now with BP, Houston, TX).
10. Miskelly, Tom, 2002, Structural framework and depositional systems of a complex rift and strike-slip plate margin, Blocks CI 104 and 105, Ivory Coast, West Africa, unpubl. MS thesis, University of Texas at Austin, 120 p. (W. Galloway, chairman; now high school teacher, Houston, Texas).
11. Meckel, Tip, 2003, Tectonics of the Hjort region of the Macquarie Ridge complex, southernmost Australian-Pacific plate boundary, southwest Pacific Ocean, unpubl. Ph.D. dissertation, University of Texas at Austin, 192 p. (S. Mosher and M. Coffin, chairmen) (now research associate at UT BEG).
12. Gary, Marcus, Investigating volcanogenic karstification as a major process in mega-sinkhole formation, Ph.D., candidate (J. Sharp, chairman; I was the assigned "wildcard" examining member of this committee).
13. Lu, Hongbo, 2004, Global and local controls on depositional cyclicity: The Canterbury basin, New Zealand, unpubl. Ph.D. dissertation, University of Texas at Austin, 163 p. (W. Fisher and C. Fulthorpe, co-chairmen) (now exploration geologist, Shell Oil Company)..
14. Mize, Kristine, Controls on the morphology and development of deep-marine channels, eastern offshore Trinidad and Venezuela, 2004, unpublished MS thesis, University of Texas at Austin, 119 p. (L. Wood, supervisor) (now with EnCana, Denver, Colorado).
15. Sullivan, Sean, 2005, Geochemistry, sedimentology, and morphology of mud volcanoes, eastern offshore Trinidad, unpubl. MS thesis, Univ. of Texas at Austin, 93 p. (L. Wood, supervisor) (now PhD student at the Univ of Texas at Austin).
17. Lyons, James, Tectonic and geologic studies in northern Mexico, PhD candidate (M. Cloos and R. Kyle, supervisors, expected completion date, fall, 2009).

18. Carroll, Stephanie, Tectonic and geochronologic studies of the Dayman Dome, Papua New Guinea, PhD candidate (N. Daczko, supervisor), Macquarie University, Australia.
19. Manasij Santra, Stratigraphic study of the Tyee Formation in Oregon (R. Steel, supervisor, expected graduation date, 2010).

COMMITTEE WORK AT UTIG (1984-2001)

- 1983-'84 No committee work; fellowship in Dominican Republic
- 1984-'92 Ewing-Worzel Student Fellowship Committee (Chairman, 1990 - 1992)
- 1990-'92 Science Committee
- 1992-'97 Library Committee (Chairman, 1994 - 1996)
- 1995-'99 Computer Graphics Committee
- 1996-'99 Public Relations Committee
- 1999-2000 No committee work; fellowship in France

[Promoted to Senior Research Scientist]

- 2001-'02 Administrative assistants/associates oversight committee (chairman); direct supervisor of Lynn Broz (to August 2001) and Wilbert King (from Sept. 2001); fellowship committee; development advising committee; organized first "New Directions" meeting for long-term research planning at UTIG, October 11, 2001, and assisted in report preparation; organized and edited biweekly UTIG newsletter; assisted with display of UTIG posters and student publications in Geology Dept. exhibit; initiated and organized JSG annual spring picnic.
- 2003-'04 UTIG library committee, editor of biweekly UTIG newsletter, JSG student support committee
- 2004-'07 UTIG library committee, UTIG seminar committee, UTIG education and outreach committee (chair), UTIG education advisory committee (chair), JSG student support committee, JSG structure curricular group, JSG Graduate Studies Committee, JSG tenure and promotion committee.