

CURRICULUM VITAE

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CITIZENSHIP: U.S.A.

EDUCATION:

B.S. University of North Carolina, Chapel Hill, NC, 1971, Geology

M.S. Brown University, Providence, RI, 1974, Geology

Ph.D. Cornell University, Ithaca, NY, 1978, Geology; minor: aquatic ecology

PRESENT POSITION:

Senior Research Scientist, Institute for Geophysics
The John A. and Katherine G. Jackson School of Geosciences
The University of Texas at Austin

PROFESSIONAL EXPERIENCE:

1993- Senior Research Scientist, Inst. for Geophysics, Univ. Texas at Austin

1981-93 Research Scientist, Inst. for Geophysics, Univ. Texas at Austin

1979-80 Research Scientist Assoc. III, Inst. for Geophysics, Univ. Texas at Austin

1978-79 Post-doc. Research Assoc., Dept. Geological Sciences, Cornell Univ., Ithaca, NY

1973-78 Research Asst., Dept. Geological Sciences, Cornell Univ., Ithaca, NY

1972-73 Research Asst., Dept. Geological Sciences, Brown Univ., Providence, RI

1971-72 Teaching Asst., Dept. Geological Sciences, Brown Univ., Providence, RI

MEMBERSHIPS:

American Geophysical Union American Quaternary Association

Sigma Xi Geological Society of America International Society for Reef Studies

TEACHING EXPERIENCE:

GEO 660 Field Mapping Course: 1984; 1985.

GEO 312 K Physical Geology for Engineers 1988

FIELD PROJECTS:

2010 Haiti Earthquake coral geodesy, paleogeodesy

2009 Team Leader: Installation of seismograph and GPS network in W Solomons

2007 Team Leader: Tsunamigenic megablocks, Tongatapu Island, SW Pacific

2007 Team Leader: Rapid Response 1 April 2007 $M_w \sim 8.1$ Solomons Earthquake

2006 Quick Response to 3 May 2006 large Tonga Earthquake: vertical crustal motions

2005 Fossil Coral and Speleothem Paleoclimate Records from Papua New Guinea, Solomon Islands, and Vanuatu

1992 -Pres. Drilling corals for climate studies: New Caledonia, Vanuatu, Solomons, Puerto Rico

2005-2006 Seismic Profiling, Dredging, Multi-Beam Mapping, Sabine Bank, Vanuatu

2002 Chief Scientist, R/V LM Gould LMG02-9 Antarctic Peninsula GPS Tectonics
 2002 Coral Tectonics of Woodlark Rift Propagation into Australian plate
 2002 West Antarctic GPS Network: Installation and First Measurements
 2001 Coral Records of Paleosea Level, Barbados, W.I.
 2001 Team Leader: Fossil Coral Paleoclimate Records, Western Solomon Islands
 1998 Chief Scientist: R/V LM Gould Cruise LMG98-10 GPS Antarctic Peninsula
 1997 Chief Scientist: R/V Abel-J Cruise: GPS Antarctic Peninsula
 1990- 2000 Deep drilling of reefs for the coral climate record from present to 30 Ka: Vanuatu, Papua New Guinea and Solomon Islands
 1988 -Pres. GPS Project: Tectonics of SW Pacific Arc Systems
 1976 -Pres. Uplifted Reefs, Vanuatu & Solomon Islands: Tectonics and Paleoseismology
 1993 -1997 Paleoseismology and crustal motions of the Sumatran Subduction Zone
 1980-91 Neotectonics and Paleoseismology, Dominican Republic
 1990 ODP Leg 134 Proponent and Shipboard Sedimentologist
 1981 Co-Chief Scientist: North Atlantic Transect MCS cruise
 1980 Science Staff: Old Bahama Channel MCS cruise
 1974 Emerged Coral Reefs and Neotectonics, Tonga and Fiji
 1972 Emerged Coral Reefs and Paleosea Levels, Barbados, W.I.

PUBLICATIONS:

In Press or Submitted:

1. Sinclair, D., Banner, J., Taylor, F.W., Partin, J., Jenson, J., Mylroie, J., Goddard, E., and Quinn, T., submitted, Magnesium and Strontium Trace-Element Systematics in West Pacific Speleothems, *Chemical Geology*, .
2. Taylor, F.W., accepted pending revision, Earthquakes and emergence or submergence of coral reefs, , in Hopley, D. (ed.) *Encyclopedia of Modern Coral Reefs*, Springer-Verlag
3. Frohlich, C., Hornbach, M.J., and Taylor F.W., accepted pending revision, Megablocks, in Hopley, D. (ed.) *Encyclopedia of Modern Coral Reefs*, Springer-Verlag.

Published:

1. Hornbach, M.J., 18 co-authors, Frederick W. Taylor, in press, High tsunami frequency as a result of combined strike-slip faulting and coastal landslides; *Nature Geoscience*
2. Hays, G., Briggs, R., Sladen, A., Fielding, E., Prentice, C., Hudnut, K., Mann, P., Taylor, F.W., Crone, A., Gold, R., Ito, T., and Simons, M., in press, Complex rupture during the 12 January 2010 Haiti Earthquake, *Nature Geoscience*,
3. Hornbach, M.J., Mann, P., Taylor, F.W., and Bowen, S., 2010, Estimating the age of near-shore carbonate slides using coral reefs and erosional markers: A case study from Curacao, Netherlands Antilles, *The Sedimentary Record*, 8, no. 1, 4-10, doi: 10.21/sedred.2010.1.
4. Bevis, M., , Kendrick, E., Smalley, R., Dalziel, I., Caccamise, D., Sasgen, I., Helsen, M., Taylor, F.W., Zhou, H., Brown, A., Raleigh, D., Willis, M., Wilson, T., and Konfal, S., 2009, Geodetic measurements of vertical crustal velocity in West Antarctica and the implications for ice mass balance, *Geochem. Geophys. Geosyst.*, 10, Q10005, doi:10.1029/2009GC002642.
5. Burr, G.S., Beck, J.W., Correge, T., Cabioch, G., Taylor, F.W., and Donahue, D.J., 2009, Modern and Pleistocene reservoir ages inferred from South Pacific corals, *Radiocarbon*, 51, 319-335.

6. Frohlich, C. Hornbach, M.J., Taylor, F. W., Shen, C.-C., Moala, 'A., Morton, A.E., and Kruger, J., 2009, Huge erratic boulders in Tonga deposited by a prehistoric tsunami, *Geology* 37, 131-134.
7. Shen, C.-C., Li, K.-S., Sieh, K., Natawidjaja, D., Cheng, H., Wang, X., Edwards, R.L., Lam, D.D., Hsieh, Y.-T., Fan, T.-Y., Melzner, A., Taylor, F.W., Quinn, T.M., Chaing, H.-W., Kilbourne, K.H., 2008, Variation of initial $^{230}\text{Th}/^{232}\text{Th}$ and limits of high precision U-Th dating of shallow-water corals, *Geochim. Cosmochim. Acta*, 72, 4201-4223.
8. Taylor, F.W., Bevis, M.G., Dalziel, I.W.D., Smalley, R., Frohlich, C., Kendrick, E., Foster, J., Phillips, D.A., and Gudipati, K., 2008, Kinematics and segmentation of the South Shetland Islands-Bransfield basin system, northern Antarctic Peninsula, *Geochem., Geophys., Geosys.*, 9, 7 pp, Q04035, doi:10.1029/2007GC001873.
9. Taylor, F. W., Briggs, R.W., Frohlich, C., Brown, A., Hornbach, M., Papabatu, A.K., Meltzner, A., and Billy, D., 2008, Rupture across arc segment and plate boundaries in the 1 April 2007 Solomons earthquake, *Nature Geoscience*, 1, 253-257.
10. Delong, K., Quinn, T. M., and Taylor, F.W., 2007, Reconstructing 20th century SST variability in the southwest Pacific: A replication study using multiple coral Sr/Ca records from New Caledonia, *Paleoceanography*, 22, PA4212, doi:10.1029/2007PA001444.
11. Kilbourne, K.H., Quinn, T.M., Guilderson, T.P., Webb, R.S., and Taylor, F.W., 2007, Decadal- to interannual-scale source water variations in the Caribbean Sea recorded by Puerto Rican coral radiocarbon, *Climate Dynamics*, DOI 10.1007/s00382-007-0224-2.
12. Smalley R. Jr., Dalziel, I.W.D., Bevis, M.G., Kendrick, E., Stamps, D.S., King, E.C., Taylor, F.W., Lauría, E., Zakrajsek, A., and Parra, H., 2007, Scotia arc kinematics from GPS geodesy, *Geophys. Res. Lett.*, 34, L21308, doi:10.1029/2007GL031699.
13. Holland, C.L., Scott, R., An, Soon-II, and Taylor, F.W., 2007, Propagating Decadal Sea Surface Temperature Signal Identified in Modern Proxy Records of the Tropical Pacific, *Climate Dynamics*, DOI 10.1007/s00382-006-0174-0.
14. Quinn, T. M. and Taylor, F.W., 2006, SST artifacts in coral proxy records produced by early marine diagenesis in a modern coral from Rabaul, Papua New Guinea, *Geophys. Res. Letts.*, 33, L04601, doi:10,1029/2005GL024972.
15. Quinn, T. M. and Taylor, F.W., and Crowley, T.M., 2006, Coral-based climate variability in the Western Pacific Warm Pool since 1867, *J. Geophys. Res.*, 111, doi: 10.1029/2005JC003243.
16. Gallup C. D., D. M. Olson, R. L. Edwards, L. M. Gruhn, A. Winter, F W. Taylor, 2006, Sr/Ca-Sea surface temperature calibration in the branching Caribbean coral *Acropora palmata*, *Geophys. Res. Lett.*, 33, L03606, doi:10.1029/2005GL024935.
17. Taylor, F.W., Bevis, M.G., Edwards, R. L., Cheng, H., Gray, S., Burr, G.S., Beck, W., Cutler, K.B., Phillips, D.A., Cabioch, G., Recy, J., and Mann, P., 2005, Rapid forearc uplift and subsidence caused by impinging bathymetric features: examples from the New Hebrides and Solomon Arcs, *Tectonics*, 24, TC6005 10.1029/2004TC001650.
18. Reimer, P. J., et al., and F. W. Taylor, 2004, IntCal04 terrestrial radiocarbon age calibration, 0-26 cal kyr BP, *Radiocarbon*, 46, 1029-1058.
19. Hughen, K.A., co-authors alphabetically through Taylor, F.W., 2004, Marine04 Marine Radiocarbon Age Calibration, 0-26 Cal KYR BP, *Radiocarbon* 46, 1058-1086.
20. Cutler, K.B.; Gray, S.C.; Burr, G.S.; Edwards, R.L.; Taylor, F.W.; Cabioch, G.; Beck, J.W.; Cheng, H.; Moore, J. 2004, Radiocarbon Calibration and Comparison to 50 Kyr BP with Paired ^{14}C and ^{230}Th Dating of Corals from Vanuatu and Papua New Guinea, *Radiocarbon* 46, 1127-1160.
21. Caccamise, D.J., Merrifield, M.A., Bevis, M., Foster, J., Taylor, F.W., Schenewerk, M.S.,

- and Firing, Y.L., 2005, Sea Level Rise at Honolulu and Hilo, Hawaii: GPS Estimates of Differential Land Motion, *Geophys. Res. Lett.*, *32*, L03607, doi:10.1029/2004GL021380.
22. Burr, G.S., Galang, C., Taylor, F.W., Gallup, C., Edwards, R.L., Cutler, K., Quirk, B., 2004, Radiocarbon results from a 13-KYR BP Coral from the Huon Peninsula, Papua, New Guinea, *Radiocarbon*, *46*, 1127-1160.
 23. Kilbourne, H., Quinn, T.E., Taylor, F.W., Delcroix, T., and Gouriou, Y. 2004, El Niño–Southern Oscillation–related salinity variations recorded in the skeletal geochemistry of a *Porites* coral from Espiritu Santo, Vanuatu, *Paleoceanography*, *19*, PA4002, doi:10.1029/2004PA001033.
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 25. Schmidt, A., Burr, G.S., Taylor, F.W., O'Malley, J., and Beck, J.W., 2004, A semiannual radiocarbon record of a modern coral from the Solomon Islands, *Nucl. Instr. And Meth. In Phys. Res. B. Beam Interactions with Materials and Atoms*, *V 223-224*, 420-427.
 26. Kilbourne, H., Quinn, T.E., and Taylor, F.W., 2004, A fossil coral perspective on western tropical Pacific climate ~350 ka, *Paleoceanography*, *19*, PA1019, doi:10.1029/2003PA000944.
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- in the Asia and Western Pacific Region, Proc. Third Int'l Marine Sci. Symp. on Coral Climatology by Annual Bands 16-17 Oct. 1997, Japan association for Quaternary Research 42-49.
37. Burr, G.S., Beck, J.W., Taylor, F., Recy, J., Edwards, R.L., Cabioch, G., Correge, T., Donahue, D.J., and O'Malley, J.K., 1998, A coral-based radiocarbon calibration between 11.7 and 12.4 kyr BP derived from ^{230}Th ages of corals from Espiritu Santo Island, Vanuatu, *Radiocarbon*, 40, 1093-1106.
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- reef terraces of the Yenkahe resurgent block, Tanna, Vanuatu: Implications for volcanic, landslide, and tsunami hazards: *J. Geology*, 103, 577-590.
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- precision thorium-230 ages of very young corals, *Earth and Planetary Science Letts.*, 90, 371-381.
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Book Review

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2. Reimer, P.J. 27 co-authors alphabetical; Taylor, F.W., 2009, Prospects for an extension and update of the IntCal04, Marine04, and SHCal04 radiocarbon calibration curves, EGU meeting abst., Vienna, Austria, April 2009.
3. Briggs, R., Sieh, K., Taylor, F.W., Meltzner, A.J., Galetzka, J., Hsu, Y.J., Konca, O., Chlieh, M., Sladen, A., Natawidjaja, D., and Suwargadi, B., 2009, Megathrust rupture behavior from corals; Asia Oceania Geosciences Society (AOGS) meeting Abst., Aug. 2009, Singapore.
4. Delong, K., Quinn, T., Taylor, F.W., Lin, K., and Shen, C.-C., 2008, Inter-decadal to multi-decadal sea surface temperature variability in the southwest tropical Pacific since AD 1648, AGU Abst., Fall Meeting.
5. Dunn, E., Quinn, T., Taylor, F.W., Austin, J.A., Cabioch, G., Pelletier, B., and Maes, C., 2008, Coral-based climate reconstructions from a massive *Porites* coral from Sabine Bank (Vanuatu), AGU Abst., Fall Meeting.
6. Hereid, K., Quinn, T., Taylor, F.W., 2008, Sea Surface Temperature from the Western Pacific Warm Pool (Misima Island, Papua New Guinea) using the Geochemistry of Modern and Pre-industrial Corals, AGU Abst., Fall Meeting.
7. Hornbach, M., Frohlich, C., Taylor, F.W., 2008, Unraveling the Source of Large Erratic Boulders on Tonga: Implications for Geohazards and Mega-Tsunamis, GSA Abst., Houston, TX.
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10. INVITED: Taylor, F.W., Lavier, L., Frohlich, C., Cabioch, G., Gallup, C., Carlson, T., and Freiburger, N., 2008, Abrupt Cessation of Subsidence and Initiation of Uplift on the Western Solomons and Central New Hebrides Forearcs: Possible Tectonic Mechanisms, GSA Abst., Houston, TX.
11. INVITED: Taylor, F.W., Frohlich, C., and Hornback, M., 2008, Paleoseismology as a Basis for Assessing the Potential for Single and Multi-Segment Megathrust Ruptures in

- Southwest Pacific Arc Systems, AGU Abst., W Pacific Geophysics Meeting, Cairns, Australia, July 30, 2008.
12. INVITED: Taylor, F.W., Frohlich, C., Hornbach, M., Shen, C., and Moala, A., 2008, Giant Boulders Cast Ashore on Tongatapu Island: Evidence of a Great Tsunami or a Gigantic Typhoon? AGU Abst., W Pacific Geophysics Meeting, Cairns, Australia, July 31, 2008.
 13. Sinclair, D.J., Banner, J.L., Taylor, F.W., Jenson, J.W., and Mylroie, J.E., 2008, Deglacial climate dynamics in the western Pacific Ocean measured in a stalagmite from Guam, Abst., Goldschmidt Conference, July 13-18, Vancouver, Canada.
 14. Dalziel, I.W.W., Smalley, R., Kendrick, E., Bevis, M.G., Taylor, F.W., and Caccamise, D., 2008, Mass change in the West Antarctic Ice Sheet? Measuring the Critical Post-glacial Rebound Correction, Abst., July 2008 SCAR Conference, St. Petersburg, Russia.
 15. DeLong, K., Quinn, T., and Taylor, F., 2008, Reconstructing Sea Surface Temperature Variability in the Southwest Pacific: A Replication Study Using Multiple Coral Sr/Ca Records From New Caledonia, Abst., 11th International Coral Reef Symposium, 7-11 July 2008, Fort Lauderdale, FL, USA.
 16. Cabioch, G., Montaggioni, L., and Taylor, F.W., 2008, Reef growth during the last deglacial sea level rise in New Caledonia and Vanuatu (South-West Pacific),
 17. Reimer, P., and INTCAL Working Group, 2008, Extension and Update of the IntCal04 radiocarbon calibration/comparison back to 50 ka, Abst. 11th Accelerator Mass Spectrometry Conference, Rome, Italy.
 18. Taylor, F.W., Briggs, R., Frohlich, C., Papabatu, A.K. Billy, D. Brown, A., Meltzner, A.J., 2007, Comparison of Holocene With Coseismic Vertical Deformation Accompanying the Great 1 April 2007 Solomon Islands Megathrust Rupture., *AGU Abst., EOS*
 19. Briggs, R., Taylor, F.W., Frohlich, C., Papabatu, A.K. Billy, D. Brown, A., Meltzner, A.J., 2007, Coseismic vertical deformation accompanying the great 2007 Solomon Islands megathrust rupture, *AGU Abst., EOS*
 20. Burr, G.S., Taylor, F.W., Quinn, T., and Carey, A., 2007, Reconstructing radiocarbon variations in the Bismark Sea for the last 50 years, *AGU Abst., EOS*
 21. Shen, C.-C., Li, K.-S., Sieh, K., Natawidjaja, D., Cheng, H., Wang, X., Edwards, R.L., Lam, D.D., Hsieh, Y.-T., Fan, T.-Y., Melzner, A., Taylor, F.W., Quinn, T.M., Chiang, H.-W., Kilbourne, K.H., 2007, Variation of initial Th-230/Th-232 and limits of high precision U-Th dating of shallow-water corals, *AGU Abst., EOS*
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 23. Cabioch, G., Montaggioni, L., and Taylor, F.W., 2007, Reef growth during the last deglacial sea level rise in the South-West Pacific in New Caledonia and Vanuatu, 1st International Workshop on the COREF Project, Japan.
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 27. Dalziel, I., Smalley, R., Kendrick, E., Bevis, M., and Taylor, F., 2006, The West Antarctic GPS Network (WAGN), PoleNET Meeting, Dresden.

28. Taylor, F.W., Austin, J.A., and Quinn, T.M., 2006, Consideration of the Role of Vertical Tectonics in Selection of IODP Reef Drilling Sites, NSF Sponsored Workshop for IODP drilling in the Caribbean, Austin, TX
29. G. S. Burr, F. W. Taylor, J. Pandolfi, J. W. Beck, A. J. T. Jull and Thierry Correge, 2006, Modern and Holocene reservoir ages of South Pacific corals, 19th International ^{14}C Conference, 3rd-7th April 2006, Oxford, England
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33. Biddulph, D.L., Beck, J.W., Burr, G.S., Donahue, D.J.,¹ and Taylor, F.W., 2005 Measurements of ^{129}I in Coral Skeletons from the South Pacific Ocean, 10th International Conference on Accelerator Mass Spectrometry (September 5-10, 2005).
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35. Gruhn, L.M., Gallup, C.D., Ravelo, C., Riker-Coleman, C., Taylor, F.W., Webster, J., Silver, E.A., and Potts, D.C., 2005, Seasonal $\delta^{18}\text{O}$ and Sr/Ca records From Submerged Pleistocene Fossil Corals in the Western Equatorial Pacific, *AGU Abst., EOS*.
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40. Quinn, TM, Taylor, FW, Cheng, H, Edwards, RL, Burr, G, Chen, Y, 2004, Select, High-Resolution Windows Into Sub-Centennial-Scale Climate Variability in the Western Pacific Warm Pool Between 7 and 12 ka, *AGU Abst., EOS*.
41. DeLong, C., Quinn, T. M., and Taylor, F.W., 2004, Sea Surface Temperature Variability in the Southwest Pacific as Reconstructed from the Skeletal Geochemistry of a Tricentennial Coral from New Caledonia, *AGU Abst., EOS*.

42. Kilbourne¹, H.K., Quinn, T.M., Taylor, F.W., Webb, R.S., Winter, A., Guilderson, T., 2004, Caribbean Climate Reconstructions Using Coral Skeletal Geochemistry: Initial Results From Puerto Rico, *AGU Abst., EOS*.
43. Mann, P., Taylor, F., Gahagan, L., and Watson, L., 2004, Title Rapid Kinematic and Tectonic Variations Along the 1400-km-long Australia-Woodlark Plate Boundary Zone, Papua New Guinea and Woodlark Basin, *AGU Abst., EOS*.
44. Liu, J., Terrence M. Quinn, Thomas J. Crowley, Frederick W. Taylor, and William T. Hyde, 2004, A coral record from the West Pacific Warm Pool (New Georgia), *AGU Abst., EOS...*
45. Cabioch, G., Taylor, F.W., Cutler, K.B., Edwards, R.L., Burr, G.S., Beck, W., Correge, T., 2004, Sea level changes inferred from growth patterns of the uplifted reefs from Vanuatu (Southwest Pacific), Int. Geol. Congress 32, Abstract.
46. Taylor, F.W., Edwards, R.L., Cutler, K.B., Cheng, H., Burr, G.S., Beck, J.W., Cabioch, G., Recy, J., and Correge, T., 2004, Results from a land-based strategy for drilling the coral record of Last Glacial Maximum to late Holocene transgression on tectonically uplifting Western Pacific coasts, Int. Geol. Congress 32, Abstract.
47. Kilbourne, H.K., Quinn, T.M., Taylor, F.W., Webb, R.S., Winter, A., Guilderson, T., 2004, Caribbean Climate Reconstructions Using Coral Skeletal Geochemistry: Initial Results From Puerto Rico, *AGU Abst., EOS*
48. Junhua Liu, Terrence M. Quinn, Thomas J. Crowley, Frederick W. Taylor, and William T. Hyde, 2004, A coral record from the West Pacific Warm Pool (New Georgia), *AGU Abst., EOS ..*,

EQUIPMENT DEVELOPMENT:

Hydraulic core drilling system for coring living corals underwater funded by NSF Tectonics. Prototype built by Texas Process Equipment, Houston, TX. Eddie Wheeler of TECH 2000, Georgetown, TX, made many improvements to the basic design of the drill head and the power unit and has built at least 25 units for use in at least seven countries.

Water hydraulic drill that uses sea water as a hydraulic fluid instead of oil. This drill also is designed for drilling live or fossil corals underwater in locations where spillage of even biodegradable hydraulic oil would be unacceptable. Funded by NOAA; development nearing completion. Three have been built thus far.

Hydraulic Diamond Chain Saw system used in Indonesia for cutting cross-sections of living and fossil corals.

M.S. THESIS:

The Uplifted Reef Tracts of Barbados, West Indies: Detailed Mapping and Radiometric Dating of Selected Areas, Unpub. M. S. Thesis, Brown University, Providence, R. I., 226 p, 1974.

PH.D. DISSERTATION:

Quaternary tectonic and sea-level history, Tonga and Fiji, Southwest Pacific, Ph. D. Dissertation, Cornell University, Ithaca, N. Y., 355 p., 1978.

THESIS ADVISORS:

- M. S. Brown University: R.K. Matthews (chairman)
- Ph. D. Cornell University: A. L. Bloom (chairman), Bryan Isacks, Dan Karig, John Anderson

POST-DOCTORAL FELLOW SPONSORED:

- Daniel J. Sinclair 2005-2007

GRADUATE STUDENT COMMITTEES: Total number =7

- Clinton D. Cagle: UT MS Thesis: Seismic stratigraphy of the central Tongan arc
- Mark Helper: Univ. Texas Ph.D. Dissertation: Structural, metamorphic and geochronologic constraints on the origin of the Condrey Mountain Schist, north central Klamath Mountains, California
- Jeffrey Chen: UT M S Thesis: Quaternary Crustal Motions of Tanna Island and the Yenkahe Horst area near Yasour Volcano from Uplifted Coral Reefs
- D. Kuang: UT Ph.D. Diss.; GPS results from the Tonga-Fiji area
- David A. Phillips - Univ. of Hawaii Ph.D. Diss. GPS measurements of subduction deformation at the New Hebrides and Solomons Arcs
- Pat Mickler – UT-Ph.D. Diss., Speleothem Chemistry,
- Ming-Chu Chen – UT-M.S Thesis: Forearc Segmentation of the Solomon Islands Arc
- Elizabeth Dunn – UT-M.S. Thesis Committee: Coral Climate Record, Sabine Bank.
- Kelly Hereid –Coral paleoenvironmental records from the past two millennia at Espiritu Santo Island, Vanuatu

UNDERGRADUATE MENTORING

- Peter Abel: 2000-2001. Peter worked on coral climate data and participated in fieldwork in the Solomon Islands as an authentic research experience in 2001.
- Brandon Johnson: 2004-2006. Brandon completed a research project course for credit with Jay Banner. I supervised his research which he completed in August 2006: Title: Fidelity of oxygen isotope data from an Efate Island, Vanuatu, coral as a proxy for recorded sea surface temperature

SCIENTISTS WITH WHOM THERE HAS BEEN A LONG-TERM ASSOCIATION OR COLLABORATION ON PROJECT OR PAPER WITHIN THE LAST 48 MONTHS (outside the Univ. of Texas at Austin):

Scientists: Long-Term Collaboration Or Project Or Paper Within The Last 48 Months:

J Austin	UT Austin	J Banner	UT Austin		
M Bevis	Ohio State	R Briggs	USGS	G S Burr	U Arizona
Chen, Y. G	N.Taiwan U	H Cheng	U Minn.	T Crowley	Edinburgh U
I. W. D. Dalziel	UT Austin				
K DeLong	USGS	RL Edwards	U Minn.	C Frohlich	UT Austin
C Gallup	U Minn.	K. Gudipati	UT CSR	T Guilderson	L-Livermore
M Hornbach	UT Austin	J. Jenson	Univ. Guam		
E. Kendrick	Ohio State U.	H Kilbourne	McDaniel Col		
Jens Kruger	SOPAC-Suva	P Mann	UT Austin	A. Meltzner	CalTech
J. Partin	UT Austin	D Phillips	UNAVCO		
T Quinn	UT Austin	R Scott	UT Austin		
Shen, C.S	N. Taiwan U	K Sieh	Cal Tech	Daniel Sinclair	Scot. Inst M. S.
R. Smalley	U. Memphis	D Wiens	Washington U		
G. Cabioch	IRD France	S. Calmant	IRD France		
B Pelletier	IRD France	J Recy	IRD France	L. Montagioni	Montpellier, Fr.