

Terrence M. Quinn

Contact Information

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Academic Leadership Experience

Director, Institute for Geophysics, Jackson School of Geosciences, University of Texas
at Austin, 2009-present

Website: <http://ig.utexas.edu/>

Purpose: The Director is the Chief Executive Administrative Officer of the Institute for Geophysics (aka UTIG), an international leader in marine geology, geophysics, tectonics, seismology, and climate research and one of 3 principal units in the Jackson School of Geosciences.

Essential Functions:

- Manage the Institute's \$24M annual budget, which has grown by ~\$10M over the past 8 years.
- Lead and manage a staff of 35 Ph.D. scientists, 16 postdocs, 14 research engineers, 3 IT support staff, and 11 administrative staff.
- Manage the research portfolio with an eye toward emerging disciplines. Expanded the Institute's climate and planetary geophysics groups which led to a 3-fold increase in research expenditures over the past 8 years (cf., \$4M/year to \$12M/year).
- Oversee the hiring of research and professional staff while mindfully increasing the diversity of the unit.
- Establish new royalty streams to diversify the Institute funding, including partnering with a geophysical service company to market seismic data from the Gulf of Mexico, which has yielded >\$4M in royalties to UTIG so far.
- Lead development efforts to increase corporate and foundation giving to the Institute that yielded an increase in the annual investment from the Vetlesen Foundation from \$100k to \$300k.

- Represent the Institute and the interest of the School as a whole as a member of the Jackson School Executive Committee.

Current Academic Appointment at University of Texas at Austin

Director, Institute for Geophysics, Jackson School of Geosciences, 2009-present
 Research Professor, Inst. for Geophysics, Jackson School of Geosciences, 2006-present
 Professor, Dept. Geological Sciences, Jackson School of Geosciences, 2006-present
 Weeks Centennial Professorship, 2009-present

Previous Academic Appointments

Distinguished Visiting Prof., Jackson School of Geosciences, UTexas-Austin, 2005-2006
 Professor, College of Marine Science, University of South Florida, 2005-2006
 Associate Professor, College of Marine Science, University of South Florida, 1999-2005
 Associate Professor, Department of Geology, University of South Florida, 1996-1999
 Assistant Professor, Department of Geology, University of South Florida, 1991-1996
 Postdoctoral Fellow, Dept. of Geological Sciences, University of Michigan, 1989-1991

Education

Ph.D., Brown University (1989), Geological Sciences
 M.S., Wichita State University (1984), Geology
 B.S., SUNY-Oneonta (1982), Earth Sciences

Academic Honors and Awards

Alumni of Distinction, SUNY Oneonta (125 alumni honored on school's 125th anniversary)
 Jackson Research Excellence Fellow, Jackson School of Geosciences, U Texas at Austin, 2007-2009
 Distinguished Lecturer, Joint Oceanographic Institutes, 2006-2007
 University of South Florida Outstanding Research Achievement Award, 2004
 University of South Florida Presidential Young Investigator Award, 1995
 University of South Florida Teaching Incentive Program (TIP) Award for Outstanding Teaching, 1995

Professional Leadership and Service

Member representative, Consortium for Ocean Leadership, 2008-present
 Member, Oceans and National Security Initiative, Consortium for Ocean Leadership, 2015-2018
 Chair, Membership Committee, Consortium for Ocean Leadership, 2012-2013

Member, SIPCom, Executive Council, Integrated Ocean Drilling Program, 2011-2013
Lead Author, Chapter 5, Information from Paleoclimate Archives, Working Group I
Contribution to the IPCC Fifth Assessment Report, Climate Change 2013: The
Physical Science Basis, 2010-2013
Member, SASEC, Executive Council, Integrated Ocean Drilling Program, 2009-2012
Member, Steering Committee, ESH (Earth System History), advisory panel to NSF-OCE-
ATM, 2005-2007
Associate Editor, Coral Reefs, 2004-2009
Member, Science Planning Committee (SPC), Integrated Ocean Drilling Program, 2003-
2006
Member, Steering Committee, MESH (Marine aspects of Earth System History),
advisory panel to NSF-OCE, 2001-2005
Co-Chair, JOIDES PPG Scientific Drilling of Shallow Water Systems, 1997-2000
Associate Editor, Geology, 1993-1995

University Service

Chair, Dean's Review Committee, Jackson School of Geosciences, 2015
Member, Strategic Planning Council, Jackson School of Geosciences, 2009-present
Member, Marine Biogeochemistry Search Committee, Marine Science Institute, UT
Austin, 2008-2009
Member, Dean Search Committee, Jackson School of Geosciences, 2008-2009
Chair, Climate System Science Search Committee, Jackson School of Geosciences,
2007-2012
Member, Chair Search Committee, Department of Geological Sciences, 2007
Member, Dean's Advisory Council, College of Marine Science, USF, 2004-2006

Outreach Activities

Lead sponsor, Science Olympiad, a program that mentors middle and high school
students in world of science via event competitions. UTIG graduate students
mentor and help coach students from a local Austin high school.
Faculty participant in GeoFORCE Texas, a program involving south Texas students in
grades 8-12, which seeks to inspire the next generation of geoscientists and foster
increased diversity in the U.S. workforce (Summer 2008-2014, South Florida field
trip)
Panel Member, The Deep Water Horizon Oil Spill – Special Panel Discussion, The
University of Texas at Austin, Marine Science Institute, Public Lecture Series, Port
Aransas, TX (February 25, 2011)

Student Supervision and Mentoring

Undergraduate researchers (5): Kristen Mitchell (Eckerd College; 2005), Chris Maupin (Eckerd College, 2006), Marissa Vara (UT, 2012-2014), Victoria Fortiz (UT, 2013-2015), April Trevino (UT, 2015-present). All completed or are enrolled in graduate school.

Master's students (15): Kathleen Ketcher, 1993; Leanne Roulier, 1994; Stephen Schellenberg, 1994; Jennifer Wyatt, 1994; Holly Harrison, 1995; Richard Kayser, 1995; Douglas Hilderbrand, 1998; Kelly Kilbourne, 2003; Christie Stephans, 2003; Kris Stair, 2007; Chris Maupin, 2008; Elizabeth Dunn, 2009, Meaghan Gorman, 2011, Kaustubh Thirumalai, 2012, Natasha Sekhon, 2016.

PhD students (8): Jennifer Smith, 2006; Kelly Kilbourne, 2006; Kristine DeLong, 2008; Kelly Hereid, 2012; Chris Maupin, 2014, Kaustubh Thirumalai, 2016, Allison Lawman (expected 2020; co-supervise with Jud Partin), Tianyi Sun (expected 2020; co-supervise with Yuko Okumura), Xian Wu (expected 2020; co-supervise with Yuko Okumura).

Postdoctoral fellows (4): Harunar Rashid (USF, 2003-2005), Jud Partin (UT, 2009-2011), Deborah Khider (UT, 2011-2013), Michael Erb (UT, 2013-2015)

Professional Research Publications

[Quinn's Google profile](#) (H index, 41; H*=1.41)

Books

Vacher, H.L. and **Quinn, T.M.** (eds.), 1997, *Geology and Hydrogeology of Carbonate Islands*. Elsevier, Developments in Sedimentology 54, 948 pp.

Book Chapters

Poore, R.Z, Verardo, S., Caplan, J., Pavich, K., and **Quinn, T.M.**, Planktic Foraminiferal Relative Abundance and Trends in Gulf of Mexico Holocene Sediment Records: Record of Climate Variability. In Buster, NA and Holmes CW (editors), *Gulf of Mexico: Origin, Waters, and Biota*, Texas A&M University Press, 2009.

Quinn, T.M., and Schone, B., 2007, Corals, Sclerosponges and Mollusks. In Elias, S.A., (Editor), *Encyclopedia of Quaternary Science*, Elsevier.

Quinn, T.M., and Saller, A.H., 1997, Geology of Anwetak Atoll. In Vacher, H.L. and Quinn, T.M. (Eds.), *Geology and Hydrogeology of Carbonate Islands*, Developments in Sedimentology 54. Elsevier, 637-666.

Quinn, T. M., 1990, Forward Modeling of Bank Margin Carbonate Diagenesis: Results of Sensitivity Tests and Initial Applications; *in*, Cross, T. A., ed., *Quantitative Dynamic Stratigraphy*, Prentice Hall, NY, p. 445-455.

Workshop Reports

Quinn, T. M., and Tudhope, A.W., 2002, *The Science and Technology of Submerged Coral Drilling: A Workshop Report*, JOI/U.S. Science Support Program.

Peer-Reviewed Journal Articles (Student names underlined)

1. Thirumalai, K., T. M. Quinn, Okumura, Y., J. N. Richey, Partin, J.W., R. Z. Poore, and Moreno-Chamarro, E., Centennial-scale links between Gulf Stream variability and Western Hemisphere hydroclimate, in press at Nature Communications.
2. Thirumalai, K., T. M. Quinn, and Marino-Chamarro, G., Constraining past seawater ¹⁸O and temperature records developed from foraminiferal geochemistry, 2016, *Paleoceanography*, DOI: 10.1002/2016PA002970.
3. Delong, K., Maupin, C. R., Flannery, JA, Quinn, T.M., and Shen, C.-C., Refining temperature reconstructions with the Atlantic coral *Siderastrea siderea*, 2016, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 462, 1-15, 10.1016/j.palaeo.2016.08.028.
4. Partin, J.W., Quinn, T.M., Shen, C-C., Okumura, Y., Cardenas, M.B., Siringan, F.P., Banner, J.L., Lin, K., Taylor, F.W., Gradual Onset and Recovery of the Younger Dryas Abrupt Climate Event in the Tropics, 2015. *Nature Communications*, 6, 8061, 2015, doi:10.1038/ncomms9061.
5. Maupin, C. R., J. W. Partin, C.-C. Shen, T. M. Quinn, K. Lin, F. W. Taylor, J. L. Banner, K. Thirumalai, and D. J. Sinclair, Persistent decadal-scale rainfall variability in the tropical South Pacific Convergence Zone through the past six centuries, *Climate of the Past*, 10, 1319-1332, 2014, doi:10.5194/cp-10-1319-2014.
6. Thirumalai, K., J. N. Richey, T. M. Quinn, and R. Z. Poore, *Globigerinoides ruber* morphotypes in the Gulf of Mexico: A test of null hypothesis, *Scientific Reports*, 4, 6018, 2014, doi:10.1038/srep06018
7. Delong, K., Flannery, JA, Poore, RZ, Quinn, TM, Maupin, CR, Lin, K., Shen, CC, A reconstruction of sea surface temperature variability in the southeastern Gulf of Mexico from 1734 to 2008 CE using cross-dated Sr/Ca records from the coral *Siderastrea siderea*, 2014, *Paleoceanography*, 29, 403–422, doi:10.1002/2013PA002524.
8. Delong, K., Quinn, T.M., Taylor, F.W., Shen, CC, Lin, K., Improving coral-base paleoclimate reconstructions by replicating 350 years of coral Sr/Ca variations, *Palaeogeography, Palaeoclimatology, Palaeoecology*, Volume 373, 1 March 2013, Pages 6-24, ISSN 0031-0182, 10.1016/j.palaeo.2012.08.019.
9. Hathorne, Ed C., Alex Gagnon, Thomas Felis, Jess Adkins, Ryuji Asami, Wim Boer, Nicolas Caillon, David Case, Kim M. Cobb, Eric Douville, Peter deMenocal, Anton Eisenhauer, C.-Dieter Garbe-Schönberg, Walter Geibert, Steven Goldstein,

- Konrad Hughen, Mayuri Inoue, Hodaka Kawahata, Martin Kölling, Florence Le Cornec, Braddock K. Linsley, Helen V. McGregor, Paolo Montagna, Intan S. Nurhati, **Terrence M. Quinn**, Jacek Raddatz, H  l  ne Rebaubier, Laura Robinson, Aleksey Sadekov, Rob Sherrell, Dan Sinclair, Alexander W. Tudhope, Gangjian Wei, Henri Wong, Henry C. Wu and Chen-Feng You, Inter-laboratory study for coral Sr/Ca and other element/Ca ratio measurements, *Geochem. Geophys. Geosyst.*, 2013, DOI: 10.1002/ggge.20230
10. Hereid, KA, **Quinn, TM**, Okumura, Y, Assessing spatial variability in ENSO event detection skill using coral geochemistry, *Paleoceanography*, 2013. doi:10.1029/2012PA002352.
 11. Hereid, KA, **Quinn, TM**, Taylor, FW, Shen, CC, Edwards, RL, Cheng, H, Coral record of reduced El Nino activity in the early 15th to middle 17th century, *Geology*, 2013. doi: 10.1130/G33510.1.
 12. Maupin, C.R., Partin, J.W., **Quinn, T.M.**, Shen, C-C., Lin, K., Emile-Geay, J., Taylor, F.W., Banner, J.L., Sinclair, D.J. Rainfall variability in the south Pacific convergence zone through the past six centuries. 2013, *Climates of the Past Discussions*, 9, 5593-5625, 2013.
 13. Partin, J.W., **Quinn, T.M.**, Shen, C-C., Taylor, F.W., Banner, J.L., Maupin, C.R., Lin, K., Sinclair, D.J., Huh, C-A., Multi-Decadal Rainfall Variability under the South Pacific Convergence Zone from 1570-2005, 2013. *Geology*, doi:10:1130/G34718.1.
 14. Thirumalai, K., Partin, J.W., Jackson, C.S., **Quinn, T.M.**, Statistical constraints on El Ni  o Southern Oscillation reconstructions using individual foraminifera: a sensitivity analysis, 2013, *Paleoceanography*, doi:10.1002/palo.20037.
 15. DeLong, K., **Quinn, T.M.**, Taylor, F.W., Lin, K., Shen, CC, Sea Surface Temperature Variability in the Southwest Tropical Pacific Since AD 1649, *Nature Climate Change*, 2012. <http://dx.doi.org/10.1038/nclimate1583>.
 16. Gorman, MK, **Quinn, TM**, Taylor, FW, Powell, EM, Cabioch, G., Ballu, V., Maes, C., Austin, JA, Saustrop, S, Pelletier, B., Coral-based reconstruction of sea-surface salinity at Sabine Bank, Vanuatu from 2007 to 1842 CE., *Paleoceanography*, 2012. doi:10.1029/2012PA002302.
 17. Kim, W., Fouke, B.W., Petter, A.L., **Quinn, T.M.**, Kerans, C., Taylor, F.W., Sea level rise, depth-dependent carbonate growth, and the paradox of drowned platforms, *Sedimentology*, 59, 6, 1677-1694, 2012. DOI: [10.1111/j.1365-3091.2012.01321.x](https://doi.org/10.1111/j.1365-3091.2012.01321.x), 2012.
 18. Partin, JW; Jenson, JW; Banner, JL; **Quinn, TM**; Taylor, FW; Sinclair, D; Lander, MA; Bell, T; Miklavi  , B; Jocson, John MU; Hardt, B; Taboro  i, D. Relationship between Modern Rainfall Variability, Cave Dripwater and Stalagmite

- Geochemistry in Guam, USA, *Geochem. Geophys. Geosyst.*, 2012.
doi:10.1029/2011GC003930.
19. Sinclair, D. J., J. L. Banner, F. W. Taylor, J. W. Partin, J. Jenson, J. Mylroie, E. Goddard, **T. M. Quinn**, J. Jocson, and B. Miklavik, Magnesium and strontium systematics in tropical speleothems from the western Pacific, *Chemical Geol.*, 294, 1-17, 2012, doi:10.1016/j.chemgeo.2011.10.008
 20. Spear, J.W., Poore, R.Z., and **Quinn, T. M.**, *Globorotalia truncatulinoides* (dextral) Mg/Ca as a proxy for Gulf of Mexico winter mixed-layer temperature: Evidence from a sediment trap in the northern Gulf of Mexico. *Marine Micropaleontology*, doi:10.1016/j.marmicro.2011.05.001., 2011.
 21. DeLong, K. L., Flannery, J.A., Maupin, C.R., Poore, R.Z., **Quinn, T.M.**, A coral Sr/Ca calibration and replication study of two massive corals from the Gulf of Mexico, *Palaeogeography, Palaeoclimatology, Palaeoecology*. doi:10.1016/j.palaeo.2011.05.005, 2011.
 22. Kilbourne, K., Moyer, R.P., **Quinn, T.M.**, Grotoli, A.G., Testing Coral-based Tropical Cyclone Reconstructions: An Example from Puerto Rico, *Palaeogeography, Palaeoclimatology, Palaeoecology*. doi:10.1016/j.palaeo.2011.04.027, 2011
 23. Kilbourne, K., **Quinn, T.M.**, Webb, R.S., Guilderson, T.F., Nyberg, J., Winter, A., Coral windows onto seasonal climate variability in the northern Caribbean since 1479 , *Geochem. Geophys. Geosyst.*, 11, Q10006, doi:10.1029/2010GC003171, 2010.
 24. DeLong, K., **Quinn, T.M.**, Shen, CC, A Snapshot of Climate Variability at Tahiti ~ 9 ka using a Fossil Coral from IODP Expedition 310, *Geochem. Geophys. Geosyst.*, doi:10.1029/2009GC002758, 2010.
 25. Scott, R.B., Holland, C.L., and **Quinn, T. M.**, Multidecadal trends in instrumental SST and coral proxy Sr/Ca records, *Journal of Climate*, Vol. 23, No. 5, 1017–1033, doi: 10.1175/2009JCLI2386.1, 2010.
 26. DeLong, K., Poore, R. Z., **Quinn, T.M.**, Mitchum, G.T., Poore, R. Z., Evaluating highly resolved paleoclimate records in the frequency domain for multi-decadal scale climate variability, *Geophysical Research Letters*, 36, L20702, doi:10.1029/2009GL039742, 2009.
 27. Richey, J. N., Poore, R. Z., Flower, B. P., Hollander, D.H., and **Quinn, T. M.**, Regionally Coherent Little Ice Age Cooling in the Atlantic Warm Pool, *Geophysical Research Letters*, 36, L21703, doi:10.1029/2009GL040445, 2009.
 28. Greaves, M., N. Caillon, H. Rebaubier, G. Bartoli, S. Bohaty, I. Cacho, L. Clarke, M. Cooper, C. Daunt, M. Delaney, P. deMenocal, A. Dutton, S. Eggins, H. Elderfield, D. Garbe-Schoenberg, E. Goddard, D. Green, J. Groeneveld, D. Hastings, E. Hathorne, K. Kimoto, G. Klinkhammer, L. Labeyrie, D. W. Lea, T. Marchitto, M. A. Martínez-Botí, P. G. Mortyn, Y. Ni, D. Nuernberg, G. Paradis, L. Pena, **T. Quinn**, Y.

- Rosenthal, A. Russell, T. Sagawa, S. Sosdian, L. Stott, K. Tachikawa, E. Tappa, R. Thunell, and P. A. Wilson, Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry. *Geochem. Geophys. Geosyst.*, 9, Q08010, doi:10.1029/2008GC001974, 2008.
29. Kilbourne, K., **Quinn, T.M.**, Webb, R.S., Guilderson, T.F., Nyberg, J., Winter, A., Taylor, F.W., Paleoclimate proxy perspective on Caribbean climate since the year 1751: evidence of cooler temperatures and multidecadal variability, *Paleoceanography*, doi 10.1029/2008PA001598, 2008.
 30. Maupin, C.R., **Quinn, T.M.**, Halley, R.B., Extracting a climate signal from the skeletal geochemistry of the Caribbean coral *Siderastrea siderea*. *Geochem. Geophys. Geosyst.*, 9, Q12012, doi:10.1029/2008GC002106, 2008.
 31. Poore, R. Z., Delong, K., Richey, J. N., and **Quinn, T. M.**, Evidence of multidecadal climate variability and the Atlantic Multidecadal Oscillation from a Gulf of Mexico sea-surface temperature-proxy record, *Geo-Marine Letters*, 29, 6, 477-484, 10.1007/s00367-009-0154-6, 2009.
 32. Shen, CC, Li, KS, Sieh, K., Natawidjaja, D., Cheng, H., Wang, X., Edwards, RL, Lam, DD, Hsieh, YT, Fan, TY, Meltzner, AJ, Taylor, FW, Quinn, TM, Chiang, HW, Kilbourne, KH, Variation of initial $^{230}\text{Th}/^{232}\text{Th}$ and limits of high precision U-Th dating of shallow-water corals, *Geochim. Cosmochim. Acta*, 2008.
 33. Delong, K., **Quinn, T.M.**, Taylor, F.W., Reconstructing 20th Century SST Variability in the Southwest Pacific: A Replication Study Using Multiple Coral Sr/Ca Records from New Caledonia, *Paleoceanography*, doi:10.1029/2007PA001444, 2007.
 34. Kilbourne, K., **Quinn, T.M.**, Guilderson, T.F., Decadal- to interannual-scale source water variations in the Caribbean Sea recorded by Puerto Rican coral radiocarbon, *Climate Dynamics*, 10.1007/s00382-007-0224-2, 2007.
 35. Nyberg, J., Malmgren, B.A., Winter, A., Jury, M.R., Kilbourne, K.H., **Quinn, T.M.**, Low Atlantic hurricane activity in the 1970s and 1980s compared to the past 270 years, *Nature*, doi:10.1038/nature05895, 2007.
 36. Rashid, H., Flower, B. P., Poore, R. Z., and **Quinn, T. M.**, A 29 ka monsoon variability record from the Bay of Bengal: a key concept, *Quaternary Science Reviews*, 26, 19-21, October 2007, Pages 2586-2597.
 37. Richey, J.N., Poore, R.Z., Flower, B.P. and **Quinn, T.M.**, A 1400-year multi-proxy record of climate variability from the Northern Gulf of Mexico, *Geology*, DOI: 10.1130/G23507A.1., 2007.
 38. Eakin, C.M., Swart, P.K., **Quinn, T.M.**, Helme, K.P., Smith, J.M., Dodge, R.E., Application of Paleoclimatology to Coral Reef Monitoring and Management, Proceedings of the 10th International Coral Reef Symposium, Okinawa, 2006.

39. Hill, H.W., Flower, B.P., **Quinn, T.M.**, Hollander, D.J., and Guilderson, T.G., Laurentide Ice Sheet meltwater and abrupt climate change during the last glaciation, *Paleoceanography* 10.1029/2005PA001186, 2006.
40. Iryu, Y., Matsuda, H., Machiyama, H., Piller, W.E., **Quinn, T.M.**, Mutti, M., Introductory perspective on the COREF Project, *Island Arc*, 15, 393-406, 2006.
41. LoDico, J.M., Flower, B.F., and **Quinn, T.M.**, Sub-Millennial Scale Climatic and Hydrologic Variability in the Gulf of Mexico during the Early Holocene, *Paleoceanography* 21, 3, 10.1029/2005PA001243, 2006.
42. **Quinn, T.M.**, F.W. Taylor, T.J. Crowley, Coral-based climate variability in the Western Pacific Warm Pool since 1867, *J. Geophys. Res.*, Vol. 111, No. C11, C11006, 10.1029/2005JC003243, 2006.
43. **Quinn, T.M.**, and F.W. Taylor, SST artifacts in coral proxy records produced by early marine diagenesis in a modern coral from Rabaul, Papua New Guinea, *Geophysical Research Letters*, 33, 4, 10.1029/2005GL024972, 2006.
44. Smith, J.M., **Quinn, T.M.**, Helme, K.P., Halley, R.B., Reproducibility of Geochemical and Climatic Signals in the Atlantic Coral *Montastraea faveolata*, *Paleoceanography* 10.1029/2005PA001187, 2006.
45. Asami, R., Yamada, T., Iryu, Y., **Quinn, T.M.**, Meyer, C.P., and Paulay, G., Interannual and decadal variability of the western Pacific sea surface condition for the years 1787-2000: Reconstruction based on stable isotope record from a Guam coral, *J. Geophys. Res.*, Vol. 110, No. C5, C05018, 10.1029/2004JC002555, 2005.
46. Asami, R., Yamada, T., Iryu, Y., Meyer, C.P., **Quinn, T.M.**, and Paulay, G., A Guam coral as a potential recorder of ENSO events. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 212 (1-2), 1-20, 15 September 2004.
47. Flower, B., Hastings, D., Hill, H., and **Quinn, T.**, 2004. Phasing of deglacial warming and Laurentide ice sheet meltwater in the Gulf of Mexico, *Geology*. 32; no. 7; p. 597-600; doi: 10.1130/G20604.1
48. Kilbourne, K.H., **Quinn, T.M.**, and Taylor, F.W., 2004. A Coral Perspective on Climate in the Western Tropical Pacific Circa ~350 ka, *Paleoceanography*, 19, 1, doi: 10.1029/2002PA000868.
49. Kilbourne, K., **Quinn, T.M.**, Taylor, F., Delcroix, T., Gouriou, Y., ENSO-related Salinity Variations Recorded in the Skeletal Geochemistry of a Porites Coral from Espiritu Santo, Vanuatu, *Paleoceanography*, 19, 4, doi: 10.1029/2004PA001033, 2004.
50. Poore, R.Z., **Quinn, T.M.**, and Verardo, S., 2004. Century-scale movement of the Atlantic Intertropical Convergence Zone linked to solar variability, *Geophysical Research Letters*, 31, 12, doi: 10.1029/2004GL019940.

51. Stephans, C., **Quinn, T.M.**, Taylor, F. and Correge, T., Assessing the Reproducibility of Coral-based Climate Records. *Geophysical Research Letters*, 31,18, L18210, 10.1029/2004GL020343, 2004.
52. Poore, R.Z., Dowsett, H.J., Verardo, S. and **Quinn, T.M.**, 2003. Millennial- to Century-scale variability in Gulf of Mexico Holocene Climate Records, *Paleoceanography*, 18, 2, 1048, doi: 10.1029/2002PA000868.
53. **Quinn, T. M.**, and D.E. Sampson, 2002, A Multi-Proxy Approach to Reconstructing Sea-Surface Conditions using Coral Skeleton Geochemistry. *Paleoceanography*, 17, 4, 1062, doi:10.1029/2000PA000528,
54. Correge, T., **Quinn, T.M.**, Delcroix, T., LeCornec, F., Recy, J., and Cabioch, G., 2001. Little Ice Age sea-surface temperature variability in the southwest tropical Pacific. *Geophysical Research Letters*, 28, 18, 3477-3480.
55. Getty, S.R., Asmeron, Y., **Quinn, T.M.** and Budd, A.F., 2001, Uranium-Lead Dating of Pleistocene Corals, and Coral Extinction Rates in the Caribbean Basin. *Geology*, 29, 639-642.
56. **Quinn, T. M.**, and Mountain, G. S., 2000, Shallow-Water Science & Ocean Drilling: Challenges for the New Millennium, *Eos, Transactions, American Geophysical Union*, 81, 35, 397, 404.
57. Crowley, T.J., **Quinn, T.M.**, & Hyde, W.T., 1999, Validation of coral temperature calibrations, *Paleocean.* 14, 605-615.
58. Zachos, J.C., Opdyke, B.N., **Quinn, T.M.**, Jones, C.E., and Halliday, A.N., 1999. Early Cenozoic Glaciation, Antarctic Weathering, And Seawater $^{87}\text{Sr}/^{86}\text{Sr}$: Is There A Link?, *Chemical Geology*, 161, 165-180.
59. Fatheree, J.W., Harries, P.J., and **Quinn, T.M.**, 1998, Oxygen and carbon isotopic "dissection" of *Baculites compressus* (Mollusca: Cephalopoda) from the Pierre Shale (Late Campanian) of South Dakota: Implications for paleoenvironmental reconstructions, *Palaios*, 13, 376-385.
60. Crowley, T.J., **Quinn, T.M.**, and Taylor, F.W., 1997, Evidence for a Volcanic Cooling Signal in a 335 Year Coral Record from New Caledonia; *Paleoceanography*, 12, 633-639.
61. **Quinn, T.M.**, T.J. Crowley, F.W. Taylor, C. Henin, P. Joannot, and Y. Join, 1998, A multicentury stable isotope record from a New Caledonia coral: Interannual and decadal SST variability in the southwest Pacific since 1657; *Paleoceanography*, 13, 4, 412-426.
62. **Quinn, T.M.**, Taylor, F.W., Crowley, T.J., and Link, S., 1996, Evaluation of Sampling Resolution in Coral Stable Isotope Records: A Case Study Using Monthly Stable Isotope Records from New Caledonia and Tarawa; *Paleoceanography*, v. 11, n. 5, 529-542.

63. **Quinn, T.M.**, T.J. Crowley, and F.W. Taylor, 1996, New stable isotope results from a 173-year coral record from Espiritu Santo, Vanuatu, *Geophysical Research Letters*, v.23, n. 23, 3413-3416.
64. Zachos, J.C., **Quinn, T.M.**, and Salamy, K.A., 1996, High Resolution (10⁴ yr) Deep-Sea Foraminiferal Stable Isotope Records of the Earliest Oligocene Climate Transition; *Paleoceanography*, v. 11, n. 3, p. 251-266.
65. Roulier, L.M., and **Quinn, T.M.**, 1995, Seasonal- to Decadal- Climatic Variability in Southwest Florida During the Mid-Pliocene Warm Interval: Inferences from a Coralline Stable Isotope Record; *Paleocean.* 10, 429-443.
66. **Quinn, T.M.**, Taylor, F.W., and Crowley, T.C., 1993, A 173 Year Stable Isotope Record from a Tropical South Pacific Coral; *Quaternary Science Reviews*, v. 12, p. 407-418.
67. **Quinn, T. M.**, 1991, The History of Post-Miocene Sea-Level Change: Inferences from Stratigraphic Modeling; *Journal of Geophysical Research*, v. 96, n. B4, p. 6713-6725.
68. **Quinn, T. M.**, Lohmann, K.C, and Halliday, A.N., 1991, Sr Isotopic Variation in Shallow Water Carbonate Sequences: Stratigraphic, Chronostratigraphic, and Eustatic Implications of the Record at Enewetak Atoll; *Paleoceanography*, 6, 3, 371-385.
69. **Quinn, T. M.**, 1991, Meteoric Diagenesis of Post-Miocene Limestones on Enewetak Atoll; *Jour. Sed. Pet.* 61, 681-703.
70. Wardlaw, B. R., & **Quinn, T. M.**, 1991, The Record of Pliocene Sea-Level Change at Enewetak Atoll: *Quat. Science Rev.* 10, 2/3, 247-258.
71. **Quinn, T. M.**, and Matthews, R. K., 1990, Post-Miocene Diagenetic and Eustatic History of Enewetak Atoll: Model and Data Comparison; *Geology*, v. 18, p. 942-945.
72. Humphrey, J. D., and **Quinn, T. M.**, 1989, Coastal Mixing Zone Dolomite, Forward Modeling, and Massive Dolomitization of Platform-Margin Carbonates; *Journal of Sedimentary Petrology*, 59, 438-454.
73. Humphrey, J. D., and **Quinn, T. M.**, 1989, Coastal Mixing Zone Dolomite, Forward Modeling, and Massive Dolomitization of Platform-Margin Carbonates; *Journal of Sedimentary Petrology*, 60, 1013-1016.
74. **Quinn, T. M.** and D. F. Merriam. 1988, Evolution of Florida Bay islands from a supratidal precursor; evidence from westernmost Bob Allen Key and Sid Key. *J. Geol.* 96(3), 375-381.

Scientific Ocean Drilling

- Wyatt, J.L., **Quinn, T.M.**, and Davies, G.R., 1995, Preliminary Investigation of the Petrography and Geochemistry of Limestones at Limalok and Wodejebato Guyots

- (ODP Sites 871 and 874), Republic of the Marshall Islands. *in* Haggerty, J.A., Premoli Silva, I., Rack, F., and McNutt, M.K. (Eds.), *Proc. ODP, Sci. Results*, 144: College Station, TX (Ocean Drilling Program), 429-438.
- Enos, Paul, Camoin, G.F., Wilson, P.A., Opdyke, B.N., Lincoln, J.M., Wyatt, J.L., **Quinn, T.M.**, Ebreu, P., Colonna, and Davies, G.R., 1994, Diagenesis of Platform Carbonates, Wodejebato Guyot, Marshall Islands. *in* Haggerty, J.A., Premoli Silva, I., Rack, F., and McNutt, M.K. (Eds.), *Proc. ODP, Sci. Results*, 144: College Station, TX (Ocean Drilling Program), 789-818.
- Quinn, T.M.**, Taylor, F.W., and Halliday, A.N., 1994, Sr Isotopic Dating of Neritic Carbonates at Bougainville Guyot (ODP Site 831), New Hebrides Island Arc. *In* Greene, H.G., Collot, J-Y., Stokking, L. B., et al., *Proc. ODP, Sci. Results*, 134: College Station, TX (Ocean Drilling Program), 89-96.
- Taylor, F.W., **Quinn, T.M.**, and Edwards, R.L., 1994, Tectonic History of the Bougainville Guyot, New Hebrides Island Arc. *In* Greene, H.G., Collot, J-Y., Stokking, L. B., et al., *Proc. ODP, Sci. Results*, 134: College Station, TX (Ocean Drilling Program), 47-58.
- Arnaud-Vanneau, A.; Camoin, G. F.; Haggerty, J. A.; Premoli Silva, I.; Rack, F.; Bergersen, D. D.; Bogdanov, Y.; Bohrman, H. W.; Buchardt, B.; Christie, D. M.; Dieu, J. J.; Enos, P.; Erba, E.; Fenner, J.; Gee, J. S.; Head, M. J.; Hobbs, P. R. N.; Ito, H.; Jansa, L.; Ladd, J. W.; Larson, R. L.; Lincoln, J. M.; Nakanishi, M.; Ogg, J. G.; Opdyke, B. N.; Pearson, P. N.; **Quinn, T. M.**; Watkins, D. K.; Wilson, P. A., 1993, Carbonate structures in atolls and guyots in the Northwest Pacific; preliminary results from ODP Leg 144, *Comptes Rendus de l'Academie des Sciences, Serie 2*, v.317, n.7, p.947-954
- Larson, Roger L.; Fisher, Andrew T.; Jarrard, Richard D.; Becker, Keir; Arnaud-Vanneau, Annie; Bergersen, D. D.; Bogdanov, Y.; Bohrmann, H. W.; Buchardt, B.; Camoin, G.; Christie, D. M.; Dieu, J. J.; Enos, P.; Erba, E.; Fenner, J.; Gee, J. S.; Haggerty, J. A.; Head, M. J.; Hobbs, P. R. N.; Ito, H.; Jansa, L.; Ladd, J. W.; Lincoln, J. M.; Nakanishi, M.; Ogg, J. G.; Opdyke, B. N.; Pearson, P. N.; Premoli Silva, I.; **Quinn, T. M.**; Rack, F. R.; Watkins, D. K.; Wilson, P. A., 1993, Highly permeable and layered Jurassic oceanic crust in the western Pacific, *Earth and Planetary Science Letters*, 119, 1-2, 71-83.
- Collot, J. Y.; Greene, H. G.; Stokking, L.; Akimoto, K.; Ask, M. V. S.; Baker, P. E.; Briqueu, L.; Chabernaud, T.; Coltorti, M.; Fisher, M. A.; Goud, M.; Hasenaka, T.; Hobart, M.; Krammer, A.; Leonard, J.; Martin, J. B.; Martinez-Rodriguez, J. I.; Menger, S.; Meschede, M.; Pelletier, B.; Perembo, R. C. B.; **Quinn, T. M.**; Roperch, P.; Reid, P.; Riedel, W. R.; Staerker, T. S.; Taylor, F. W.; Zhao, Xixi, 1991, Preliminary findings of ODP Leg 134 regarding the collision zone between the New Hebrides

island arc and the d'Entrecasteaux Zone, *Comptes Rendus de l'Academie des Sciences*, v.313, n.5, p.539-546.

Professional Research Funding

National Science Foundation

1. Isotopic and Chemical Signatures of Paleophreatic Lenses at Enewetak Atoll. Constraints on Pleistocene Sea Level, National Science Foundation, Geology and Paleontology, (co-PI; Kacey Lohmann), 6/91 to 5/93.
2. Earliest Oligocene Climate Transition and the Dynamics of Continental Ice Sheet Evolution: Constraints from High Resolution (10^4 yr) Deep-Sea Foraminifera $\delta^{18}\text{O}$ Time Series. National Science Foundation, Marine Geology and Geophysics (Co-PI: James Zachos), 5/91 to 4/94.
3. Acquisition of Direct Current Plasma Emission Spectrometer. National Science Foundation, Instrumentation and Facilities (Co-PI: Jeffrey Ryan), 9/93 to 8/94.
4. History of the Core of the Western Pacific Warm Pool: A Coral Perspective, NSF - Earth System History, (Co-PI's: Tom Crowley and Fred Taylor), 6/97-8/00.
5. Acquisition of a Stable Isotope Ratio Mass Spectrometer in Support of Global Change Research at USF, NSF, Earth Sciences-Equipment, (Co-PI: Ben Flower) 1/99 to 12/99.
6. An International Workshop on Submerged Coral Drilling, NSF-ATM, Paleoclimate Program (co-funded with JOI/U.S. Science Support Program), 6/00-5/01.
7. A Coral Perspective on Holocene Climate Variability in the Tropical Western Atlantic, NSF – Marine Geology & Geophysics, 8/02-7/05.
8. Sub-centennial-scale Gulf of Mexico Sea-Surface Temperature Variability during the Holocene Epoch, NSF- Earth System History (Co-PI B. Flower), 8/03 to 8/07.
9. A Coral-based Reconstruction and Analysis of Subdecadal- to Multidecadal-scale Climate Variability in the Cuban Sector of the Tropical North Atlantic/Caribbean Sea, NSF - Marine Geology and Geophysics (Co-PIs T. Guilderson and Robert Webb), 8/03 to 8/07.
10. Holocene/Deglacial Abrupt Climate Change and Variability of the Western Pacific Warm Pool from Multidecadal to Century Scale Coral, NSF- Earth System History (Co-PIs Taylor & Edwards), 6/04 to 7/07.
11. Seismic Profiling of Rapidly Subsiding Reefs on Sabine Bank, Vanuatu: Preparing for a Future Opportunity to Drill Ancient Reefs Representing Off-Peak and Lowstand Sea Levels During MIS 2-5, NSF – Ocean Sciences, IODP (UT lead: J. Austin & F. Taylor; USF subcontract: T. Quinn & S. Locker), 10/05-9/06.
12. SGER: Solar Influence on High-frequency Climate Variability – Possible Links to the Atlantic Multidecadal Oscillation and Hurricane Activity, NSF–ATM–Paleoclimate

- (Co-PI, Richard Poore), 3/1/06-2/28/07.
13. Multidecadal to Centennial Scale Variability in the Surface Ocean of the Northern Gulf of Mexico over the Late Holocene, NSF - Marine Geology and Geophysics, 9/09-8/12.
 14. ENSO and West Pacific Warm Pool Climate Variability over the Last Three Centuries, NSF - Marine Geology and Geophysics, 6/11-12/13.

National Oceanic and Atmospheric Administration

1. Little Ice Age Coral Records from the South Pacific, NOAA Climate and Global Change Program (Co-PI's: Tom Crowley and Fred Taylor), 7/93 to 7/95.
2. Calibration of Western South Pacific Coral Isotope Records, NOAA, Office of Global Programs, (Co-PI's: Tom Crowley and Fred Taylor), 1/97-6/00.
3. Calibration of Proxy Records from Coral Skeletons to C-MAN Data from the Florida Keys, USA, NOAA, Office of Global Programs (Co-PI's: Richard Dodge, Robert Halley and Peter Swart), 8/02 to 7/03.
4. Climate Reconstructions from Caribbean Corals, NOAA, Office of Global Programs (Co-PI's: Richard Dodge, Robert Halley and Peter Swart), 8/03 to 7/05.
5. Coral-based Climate Reconstructions in the Caribbean, Office of Global Programs (Co-PI's: Richard Dodge, Robert Halley and Peter Swart), 8/05 to 7/06.
6. Coral-based Climate Reconstructions in the Caribbean, NOAA Coral Reef Watch (Co-PI's: Richard Dodge, and Peter Swart), 9/06 to 8/08.
7. Caribbean Corals as Proxies for Climate Change, NOAA Coral Reef Watch, 9/09 to 8/11.
8. Trace Element Analyses of Coral Material for Paleoclimate Study in the Western Pacific Warm Pool, 9/12-7/13.

Other

1. Sr-Isotopic Dating of Carbonates at Bougainville Guyot (ODP Site 831), JOI/USSAC, 3/91 - 2/92.
2. Chemistry and Petrology of ODP Leg 144 Carbonates, JOI/USSAC, 1/93 to 7/94.
3. Holocene/Late Pleistocene Climate Variability in the Gulf of Mexico: USGS/USF COOP, 10/99 – 9/00.
4. Holocene/Late Pleistocene Climate Variability in the Gulf of Mexico: USGS/USF COOP, 10/00 – 9/01.
5. Holocene/Late Pleistocene Climate Variability in the Gulf of Mexico: USGS/USF COOP, 10/01 – 9/02.
6. Holocene/Late Pleistocene Climate Variability in the Gulf of Mexico: USGS/USF COOP, 10/02 – 9/03.
7. Climate Reconstruction from Cuban Corals: Field Study Support, National Geographic, 10/01/04 to 4/30/05.

8. Holocene Climate Variability in the Gulf of Mexico (GOM): A COOP w/USGS and USF, 5/1/04 to 4/30/05.
9. Holocene Climate Variability in the Gulf of Mexico (GOM): A COOP w/USGS and USF, 5/1/05 to 4/30/06.
10. Holocene Climate Variability in the Gulf of Mexico (GOM): A COOP w/USGS and USF, 5/1/06 to 4/30/07.
11. Reconstructing Mean Climate and Climate Variability at Tahiti in Select Intervals of the Deglacial/ Quaternary using Fossil Corals from IODP Exp. 310, JOI/U.S. Science Support Program, 9/07 to 2/09.
12. USGS Mendenhall Postdoctoral Fellowship, Kathy Tedesco (U South Carolina) – Research Advisors: Richard Poore, Terry Quinn (U Texas) and David Hollander (U South Florida), Project: Holocene climate and environmental variability - northern Gulf of Mexico
13. Holocene Climate Variability in the Gulf of Mexico (GOM), USGS, 07/08 – 07/13
14. Foraminiferal based Studies of Climate Variability in the Gulf of Mexico, USGS, 8/13 – 8/17.

Professional Research Activity

- 2012 *Invited Keynote Speaker*, AOGS, Singapore
- 2012 *Invited Keynote Speaker*, International Geological Congress, Brisbane, Australia
- 2011 *Invited Keynote Speaker*, PAGES Varves Workshop, Corpus Christi, TX
- 2010 Chief Scientist, R/V Cape Hatteras, Marine sediment coring in Gulf of Mexico
- 2010 *Invited speaker*, Climate of the Common Era, Special Session, Fall AGU
- 2008 *Invited Keynote Speaker*, First EuroMARC (European Collaboration for Implementation of Marine Research on Cores) Conference, La Colle sur Loup, France
- 2008 *Invited workshop participant*, IODP-ICDP Workshop, Acquiring high to ultra-high resolution geological records of past climate change by scientific drilling, Potsdam, Fall 08
- 2008 *Invited seminar speaker*, Baylor University, Department of Geological Sciences
- 2006-2007 *Distinguished Lecturer*, Joint Oceanographic Institutes
- 2006 *Invited Keynote Speaker*, Climate Change: Past and Future, 21st Century COE program, Tohoku University, Sendai, Japan
- 2006 *Invited seminar speaker*, University of Texas, Department of Geological Sciences
- 2006 *Onshore expedition member*, Integrated Ocean Drilling Program Expedition 310 (Tahiti)
- 2005 *Invited seminar speaker*, Woods Hole Oceanographic Institute, Department of Marine Science
- 2005 *Invited seminar speaker*, Brown University, Department of Geological Sciences

- 2005 *Invited seminar speaker*, Eckerd College, Department of Marine Science
- 2005 *Invited participant*, Workshop for PI funded by the NSF-ESH Holocene Initiative
- 2005 *Invited seminar speaker*, University of Texas, Institute for Geophysics
- 2005 *Invited seminar speaker*, University of Texas, Department of Geological Sciences
- 2004 *Invited seminar speaker*, University of Florida, Department of Geological Sciences
- 2004 *Invited seminar speaker*, Tohoku University (Sendai, Japan), Department of Geological Sciences
- 2003 *Invited speaker*, NSF Workshop, Guidelines for Best Practices in the Development of Scientific Drilling Projects, Minneapolis, Minnesota.
- 2002 *Invited speaker*, Holocene Research Initiative Workshop, NSF-MESH (Marine Aspects of Earth System History)
- 2002 *Invited seminar speaker*, Eckerd College, Department of Marine Science
- 2001 *Invited speaker*, Workshop on Alternate Platforms: Europe as the Third Leg of IODP, Brussels, Belgium. (ESF and JEODI)
- 2001 *Invited speaker and Session Chair*, Conference on Alternate Platforms as part of the Integrated Ocean Drilling Program, Lisbon, Portugal, 2001. (ESF and JEODI)
- 2001 *Invited speaker*, first ARTS (Annual Records of Tropical Systems) Open Science Meeting, Noumea, New Caledonia. (PAGES-CLIVAR)
- 1999 *Invited speaker*, International Symposium on Paleoecology of Reefs and Carbonate Platforms: Miocene to Modern, International Association of Sedimentologists, Aix-en-Provence.
- 1999 *Invited speaker*, Climate of the Last Millennium (CLIVAR-PAGES Workshop), Venice, Italy.
- 1998 *Invited participant*, PAGES Data management workshop, Boulder, CO, (WDC and IGBP PAGES).
- 1997 *Invited speaker*, Workshop on cross-validation of high-resolution climate proxies and instrument records, Univ. of Washington, June 1997 (PAGES-CLIVAR).
- 1999 *Invited speaker*, COMPLEX workshop on the future of Ocean Scientific Drilling, Vancouver, Canada.
- 1996 *Invited speaker*, Annual Records of Tropical Systems Workshop, Hawaii (PAGES-CLIVAR)
- 1992 *Invited speaker*, Coral records of ocean-atmosphere variability, La Parguera, Puerto Rico (NOAA)
- 1992 *Shipboard scientist*, Ocean Drilling Program Leg 144 (Atolls and Guyots)
- 1990 *Shipboard scientist*, Ocean Drilling Program Leg 134 (New Hebrides Island Arc System)

Professional Conference Presentations (graduate and *undergraduate* names)

2017

Lawman, A.E., Quinn, T.M., Partin, J.W., Taylor, F.W., Thirumalai, K., Wu, CC, Shen, CC., Reconstructing Tropical Southwest Pacific Climate Variability and Mean State Changes at Vanuatu during the Medieval Climate Anomaly using Geochemical Proxies from Corals. PP52A-07: presented at 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 Dec.

Partin, J.W., Taylor, F.W., Thirumalai, K., Shen, CC., Edwards, RL, Quinn, T.M., and DiNezio, P., Fossil Coral Records of ENSO during the Last Glacial Period. PP33A-1316: presented at 2017 Fall Meeting, AGU, New Orleans, LA, 11-15 Dec.

2016

Lawman, A.E., Quinn, T.M., Partin, J.W., Taylor, F.W., Thirumalai, K., Wu, CC, Shen, CC., **PP52A-07:**

A Coral-based Reconstruction of Interannual Climate Variability at Vanuatu during the Medieval Climate Anomaly (950-1250 CE). Presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 Dec.

Partin, J.W., Quinn, T.M., Shen, CC, Okumura, Y., and others, **PP23D-08:** Western North Pacific Monsoon Variability since the Last Glacial Maximum. Presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 Dec.

Quinn, T.M., Thirumalai, K., and Marino-Chamarro, G., **PP51D-2333:** Constraining past seawater ^{18}O and temperature records developed from foraminiferal geochemistry. Presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 Dec.

2015

Delong, K., Chaichi, N., Maupin, C.R., Richey, J.N., Quinn, T.M., Poore, R.Z., **PP53C-2356:** Comparison of coral $\delta^{18}\text{O}$ with pseudocorals derived from in situ sea surface salinity and temperature measurements. Presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

Richey, J.N., Thirumalai, K., Quinn, T.M, Poore, R.Z., **PP22A-07:** Exploring Linkages Between Gulf of Mexico Sea Surface Conditions and North American Hydroclimate during the Holocene (Invited). Presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

Sekhon, N., Quinn, T.M, Partin, J.W., Edwards, R.L., Cheng, H., **PP51A-2260:** Investigating Rainfall Variability in the South Pacific Convergence Zone using the Geochemistry of Stalagmites from the Solomon Islands

Thirumalai, K., Quinn, T.M, Okumura, Y., Richey, J.N., Poore, R.Z., **PP43F-03:** Centennial-scale links between Atlantic Ocean dynamics and hydroclimate over the last 4400 years: Insights from the northern Gulf of Mexico. Presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

2014

DeLong, K., Quinn, T.M., Taylor, F.W., Shen, C.C., Lin, K., Hydrological shifts in seawater $\delta^{18}\text{O}$ in southwest tropical Pacific since 1649 CE, Abstract PP43B-1471 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

Fortiz, V., Thirumalai, K., Richey, J. N., Quinn, T.M., Centennial-scale winter climate variability over the last two millennia in the northern Gulf of Mexico based on paired $\delta^{18}\text{O}$ and Mg/Ca in *Globorotalia truncatulinoides*, Abstract PP33A-1202 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

Partin, J.W., Quinn, T.M., Emile-Geay, J., Thirumalai, K., Varied Spatial Response of the SPCZ on Multi-decadal Timescales over the past 500 Years, Abstract A11B-3023 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

Quinn, T.M., Partin, J.W., Thirumalai, K., Maupin, C. R., Vara, M., Shen, C-C., Taylor, F.W., A Southwest Pacific Coral Perspective on ENSO Variability: Precessional Forcing vs. Internal Variability, Abstract PP41E-07 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

2013

Cobb, Robin M.; Kristine L. DeLong; Julie N. Richey; Jennifer A. Flannery; Kelly H. Kilbourne; Jennifer M. Smith; Terrence M. Quinn; J. H. Hudson, A spatial and vertical comparison of coral Sr/Ca variations and growth rates in *Montastraea faveolata* colonies in Veracruz, Mexico, Abstract PP31A-1838 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

DeLong Kristine L.; Jennifer A. Flannery; Terrence M. Quinn; Christopher R. Maupin; Ke Lin; Chuan-Chou Shen, PP42A-02. Sea surface temperature variability in the Gulf of Mexico from 1734–2008 CE: A reconstruction using cross-dated Sr/Ca records from the coral *Siderastrea siderea*, Abstract PP42A-02 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Partin, Judson W.; Terrence M. Quinn; Chuan-Chou Shen; M. Bayani Cardenas; Fernando P. Siringan; Masako Hori; Yuko Okumura; Jay L. Banner; Ke Lin; Xiuyang Jiang; Frederick W. Taylor, Insolation and Abrupt Climate Change Effects on the Western Pacific Maritime Monsoon, Abstract PP31E-06 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Richey, Julie N.; Kaustubh Thirumalai; Terrence M. Quinn, A sediment trap-based study of the stable isotopic differences between two morphotypes of the planktic foraminifer, *Globigerinoides ruber* (white) in the northern Gulf of Mexico, Abstract PP31A-1850 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Thirumalai, Kaustubh; Terrence M. Quinn; Caitlin Reynolds; Julie N. Richey, A replicated record of multi-centennial climate variability in the northern Gulf of Mexico spanning the last 4.4 kyrs from paired $\delta^{18}\text{O}$ and Mg/Ca in *G. ruber*,

Abstract PP31A-1851 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Vara, Marissa A.; Terrence M. Quinn; Frederick W. Taylor; Judson W. Partin; Meaghan K. Gorman; Christopher R. Maupin; R. Lawrence Edwards; Hai Cheng; Mayuri Inoue; David Nakedau, Investigating ENSO Variability in the mid-Holocene using a Fossil Coral from the South Pacific, Abstract PP31A-1842 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

2012

Delong, K., Maupin, C.R., Flannery, J., Quinn, T.M., Shen, CC, Lin, K., Decadal variability in Gulf of Mexico sea surface temperatures since 1734 CE, Abstract PP24A-08 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Gorman, MK, Quinn, TM, Taylor, Shen, C.-C., Maupin, C.R., Wu, C., ENSO variability in the western tropical Pacific during the 20th and 14th centuries: preliminary results from a ~700 year coral, Abstract PP33A-2069 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Khider, D., Quinn, T.M., Reynolds, C., Assessing seasonal temperature variability from Mg/Ca and $\delta^{18}O$ in *Globigerinoides ruber* from the Northern Gulf of Mexico, Abstract PP43A-2008 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Lindzey, K., Partin, J.W., Quinn, T.M., Jenson, JW, Shen, C.-C., Banner, J., Lin, K., Hardt, BF, Decadal-Scale Rainfall Variability in Guam over the Common Era, Abstract PP21B-1996 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Maupin, C.R., Quinn, T.M., Taylor, FW, Shen, C-C., Lin, K., Toward a three-century reconstruction of climate variability from a slow-growing coral in the Western Province, Solomon Islands, Abstract PP33A-2102 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Partin, J.W., Quinn, T.M., Shen, C-C., Cardenas, MB, Siringan, FP, Banner, J.L., Lin, K., Taylor, F.W., Insolation and Abrupt Climate Change Effects on the Western Pacific Maritime Monsoon, Abstract PP31C-2044 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Quinn, TM, A Proxy Perspective on Southwest Pacific Climate Variability in the Common Era, AOGS-AGU Meeting, Singapore, 2012.

Quinn, TM, Reconstructing Tropical Climate Variability using the Skeletal Geochemistry of Massive Corals, IGC Meeting, Brisbane Australia, 2012.

Thirumalai, K., Partin, J.W., Jackson, C.S., Quinn, T.M., Betting with single forams: Uncertainty constraints on El Niño Southern Oscillation reconstructions using

individual foraminiferal analyses, Abstract PP14B-05 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Thirumalai, K., Quinn, T.M., Reynolds, C., Flannery, J., Centennial- to millennial-scale variability of surface ocean temperature and salinity in the Northern Gulf of Mexico during the late Holocene, Abstract PP43A-2007 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

Vara, MA, Quinn, TM, Taylor, FW, Partin, J.W., Gorman, MK, Maupin, C.R., Edwards, RL, Cheng, H., Inoue, M., Nasedau, D., Investigating ENSO Variability in the mid-Holocene using a Fossil Coral from the South Pacific, Abstract PP33A-2101 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.

2011

Gorman, M.K., T.M. Quinn, F.W. Taylor, E.M. Powell, G. Cabioch, V. Ballu, C. Maes, J.A. Austin, S. Sastrup, B., Pelletier, A Coral-based Reconstruction of Sea Surface Salinity at Sabine Bank, Vanuatu from 1842-2007 CE, AGU Fall Meeting, San Francisco, CA, December 2011.

Hereid, K A; Quinn, T M; Taylor, F W; Edwards, R L; Cheng, H; Shen, C-C. ENSO variability at Vanuatu during the Medieval Climate Anomaly. Eos Trans. AGU 92, Fall Meet. Suppl., Abstract PP51A-1824.

Maupin, C R, J W Partin, T M Quinn, C C Shen, K Lin, F W Taylor, D J Sinclair, J L Banner (2010), Stable Isotope Records of Convection Variability in the West Pacific Warm Pool from Fast-Growing Stalagmites, PP43B-1677, presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

Partin, JW, Quinn, TM, Shen, C-C, Taylor, FW, Banner, JL, Maupin, CR, Lin, K, Sinclair, DJ, Huh, C-A, Emile-Geay, J (2011), Multi-Decadal Rainfall Variability under the South Pacific Convergence Zone from 1570-2005, Abstract PP51A-1823 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.

2010

Gorman, MK, T M Quinn, F W Taylor, E M Powell, G Cabioch, V Ballu, C Maes, J A Austin, S Sastrup, B Pelletier, (2010), A record of ENSO variability in the Western Pacific Warm Pool during the 19th and 20th centuries (Poster), PP43B-1682, presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

Hereid, K A, T M Quinn, F W Taylor, C C Shen, J L Banner, (2010), ENSO variability during the Little Ice Age from the perspective of a long coral record from the Western Pacific Warm Pool, PP43B-1680, presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

Maupin, C. R., J. W. Partin, T. M. Quinn, C. C. Shen, J. L. Banner, K. Lin, F. W. Taylor, D. J. Sinclair, (2011), Replicated Stalagmite Records of Rainfall Variability in the Solomon Islands since the Little Ice Age, PP51A-1822 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 4-9 Dec.

Partin, JW, T M Quinn, C C Shen, C R Maupin, K Lin, F W Taylor, D Sinclair, J L Banner, (2010), Rainfall Variability under the South Pacific Convergence Zone as Reconstructed from a Speleothem Record (1670-2005) from Vanuatu, PP51B-07, presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

Quinn, TM, F W Taylor, J W Partin, C R Maupin, K A Hereid, M K Gorman, (2010), Tales from the South (and West) Pacific in the Common Era: A Climate Proxy Perspective (Invited), PP51B-01, presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

2009

K L DeLong, R Z Poore, C D Reich, C R Maupin, **T M Quinn**, Do Different Massive Corals from the Same Reef Record the Same Climate Signal? A Test from the Dry Tortugas, Florida Keys: *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., 2009

K A Hereid, **T M Quinn**, F W Taylor, J Banner, Interannual to multi-decadal scale climate variability in the Western Pacific Warm Pool recorded by the geochemistry of 16th-17th century corals from Papua New Guinea: *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., 2009

K H Kilbourne, **T M Quinn**, R S Webb, T P Guilderson, A Winter, J Nyberg, Caribbean climate since 1469: a coral perspective on seasonal, multidecadal and centennial variability: *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., 2009

C R Maupin, **T M Quinn**, F W Taylor, Potential for the slow growing coral *Diploastrea heliopora* to yield multi-century Western Pacific Warm Pool climate records: *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., 2009

N R Miller, C R Maupin, J W Partin, **T Quinn**, J Giddings, Cryogenian cap carbonates – what do laminar scale investigations reveal about formation?: *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., 2009

J W Partin, J Banner, J W Jenson, F W Taylor, **T M Quinn**, C Shen, C R Maupin, D J Sinclair, M B Cardenas, J E Mylroie, Reconstructing Paleo-Rainfall in the Western Tropical Pacific: Developing Speleothem Proxies: *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., 2009

2008

DeLong, K. L., **Quinn, T M**, et al. (2008), Inter-Decadal to Multi-Decadal Sea Surface Temperature Variability in the Southwest Tropical Pacific Since AD 1648, *Eos Trans. AGU*, 89, Fall Meet. Suppl., Abstract PP21-D-03.

Dunn, E M, **Quinn, T M**, Taylor, F W, Austin, J A, Cabioch, G, Pelletier, B, Maes, C, Coral-based climate reconstructions from a massive *Porites* coral from Sabine Bank (Vanuatu). AGU, Fall Meet. Suppl., Abstract PP11C-1398.

Hereid, K A, **Quinn, T M**, Taylor, F W, Sea Surface Temperature From the Western Pacific Warm Pool (Misima Island, Papua New Guinea) Using the Geochemistry of

Modern and Pre-industrial Corals. *Eos Trans. AGU* 89, Fall Meet. Suppl., Abstract PP23C-1507.

Jacobel, A., Quinn, T M, Maupin, C R, (2008), Evaluating the Effect of Coral Topography on the Climate Signal in *Porites spp.*, *Eos Trans. AGU*, 89, Fall Meet. Suppl., Abstract PP23-C-1505.

Maupin, C.R., T.M. Quinn, R.Z. Poore, K. Lin, C.C. Shen, (2008). Inter-Colony Fidelity of Sr/Ca Variability in the Massive Caribbean Coral *Siderastrea siderea*: a Sub-Fossil Example. *Eos, Transactions (89)*, Fall Meeting Supplement, Abstract PP31A-1469.

2007

DeLong, K L, Quinn, T M, Poore, R Z, Mitchum, G T, Investigating the Forcing and Response in Proxy Records of Multi-Decadal Scale Climate Variability. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract PP33A-1003.

Flower, B P, Quinn, T M, Decadal-scale Climate Variability in the Gulf of Mexico During the Past 3000 Years. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract PP31D-0649.

Hastings, D W, Hollweg, T, Flower, B P, Cronin, T M, Willard, D A, Quinn, T M, Multiproxy Deglacial Record of Climate Change in Central Florida. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract PP33C-07

Maupin, C R, Quinn, T M, Halley, R B, Extracting a climate signal from the skeletal geochemistry of the Caribbean coral *Siderastrea siderea*. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract PP31A-0174

Rashid, H, Gruetzner, J, Lodestro, S, Voelker, A, Flower, B P, Quinn, T M, Millennial-scale deep ocean ventilation and sea-surface variability during the last four glacial cycles: a new assessment for the Northern Hemisphere ice-sheet growth. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract PP44B-07

Shen, C, Sieh, K, Natawidjaja, D, Cheng, H, Wang, X, Edwards, R, Lam, D, Meltzner, A, Taylor, F, Quinn, T, Chiang, H, Kilbourne, K, Variation of initial Th-230/Th-232 and limits of high precision U-Th dating of shallow-water corals. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract PP31C-0540

2006

DeLong, K L, Quinn, T M and Taylor, F W, (2006), Reconstructing 20th Century SST Variability in the Southwest Pacific: A Replication Study Using Multiple Coral Sr/Ca Records from New Caledonia, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract OS11A-1472.

Kilbourne, K H, Quinn, T M, Webb, R S, Guilderson, T, (2006), Decadal- to interannual-scale source water variations in the Caribbean Sea recorded by Puerto Rican coral radiocarbon, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract PP34A-07.

Quinn, T M and Taylor, F W, Chang, H, Edwards, R L, Sea Surface Temperature Variations in the Western Pacific Warm Pool in the Pre-Industrial Period, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract, U13A-0807.

Rashid, H, **Quinn, T M**, Poore, D Z and Flower, B P, (2006), Tropical Indian Ocean paleoclimatic history over the last 173,000 yr, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract, PP31B-1748.

Richey, J N, Poore, R Z, Flower, B P, and **Quinn, T M**, (2006), A 1400-Year Record of Sea-Surface Temperature Variability From the Northern Gulf of Mexico, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract, U12B-03.

2005

DeLong, K L, **Quinn, T M** and Taylor, F W, (2005), Sea Surface Temperature Variability in the Southwest Tropical Pacific Since 1679 AD Derived from Coral Skeletal Geochemistry, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract PP21C-1569.

Flower, B P, Hill, H W, Richey, J N, LoDico, J, Hastings, D W, Gilbert, M, **Quinn, T M**, (2005), Freshwater Input to the Gulf of Mexico During the Last Glaciation to Holocene, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract PP32A-05.

Gilbert, M L, Hastings, D W, Flower, B P and **Quinn, T M**, (2005), A High-Resolution Record of Meltwater Discharge and Deglacial Warming in the Gulf of Mexico, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract PP13A-1483.

Hill, H W, Hollander, D J, Flower, B P and **Quinn, T M**, (2005), Elevated Mississippi River discharge during glacial times: A 6,000 year wet period on the North American continent, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract PP21A-1539.

Kilbourne, K.H., **T.M. Quinn**, F.W. Taylor, T. Delcroix, and Y. Gouriou, Tropical Salinity Reconstructions in Modern and Fossil Corals From Vanuatu, a South Pacific Convergence Zone Dominated Signal, AGU Chapman Conference on Tropical-Extratropical Climatic Teleconnections, A Long-Term Perspective, February 2005.

Kilbourne, K H, **Quinn, T M**, Nyberg, J, Winter, A, Webb, R S, Guilderson, T, (2005), Seasonally Resolved Climate Records from Puerto Rico over the Past Eight Centuries, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract PP54A-08.

Liu, J, Crowley, T J and **Quinn, T M**, (2005), Breakdown of Sr/Ca Paleothermometer in a coral record from New Georgia, West Pacific Warm Pool, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract PP44A-07.

LoDico, J M, Flower, B P and **Quinn, T M**, (2005), Sub-Millennial Scale Climatic and Hydrologic Variability in the Gulf of Mexico during the Early Holocene, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract PP33B-1573.

Rashid, H., **Quinn, T.M.**, Poore, D., and Flower, B., Do the Bay of Bengal *G. ruber* ¹⁸O data represent the diminishing trend of the Indian Ocean monsoon during the late

Holocene? AGU Chapman Conference on Tropical-Extratropical Climatic Teleconnections, A Long-Term Perspective, February 2005.

Rashid, H, **Quinn, T M**, Poore, D Z and Flower, B P, (2005), A 25ka monsoon variability record from the Bay of Bengal: a key concept, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract PP43A-0670.

Richey, J N, Flower, B P, Poore, R Z and **Quinn, T M**, (2005), High Frequency Climate Variability Over the Last 1400 Years in the Gulf of Mexico, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract PP54A-07.

2004

Quinn, T.M., Taylor, F.W., Cheng, H., Edwards, R.L., Chen, Y-G., Select, High-Resolution Windows Into Sub-Centennial-Scale Climate Variability in the Western Pacific Warm Pool Between 7 and 12 ka. *Eos Trans. AGU*, XX (XX), Fall Meet. Suppl., Abstract.

Iryu, Y., Matsuda, H., Machiyama, H., Pillar, W., **Quinn, T.M.**, and Mutti, M., Continental scientific drilling into coral reefs near the northern limit. Integrated Ocean Drilling Program (IODP) and the International Continental Drilling Program (ICDP) in Bremen on March 17-19.

H.D. Grissino-Mayer, R.Z. Poore, M.J. Pavich, and **T.M. Quinn**, Record of the Southwest Monsoon from Gulf of Mexico Sediment Cores. *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract,

Poore, R.Z., **Quinn, T.M.**, and Verardo, S., Century-scale Variability in the Atlantic Intertropical Convergence Zone. *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract,

D.W. Hastings, T.A. Hollweg, B.P. Flower, T.M. Cronin, D.A. Willard, N.T. Edgar, **T.M. Quinn**, Multiproxy deglacial record of climate change in central Florida from fresh water ostracodes using paired Mg/Ca, Sr/Ca, and O-18. *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract,

Kilbourne, H.K., **Quinn, T.M.**, Taylor, F.W., Webb, R.S., Winter, A., Guilderson, T., Caribbean Climate Reconstructions Using Coral Skeletal Geochemistry: Initial Results From Puerto Rico. *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract,

J.M. Smith, **T.M. Quinn**, and R.B. Halley, Geochemical Signatures in Corals from Looe Key, Florida since 1870 A.D. . *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract,

K. DeLong, **Quinn, T.M.**, Taylor, F.W., Sea Surface Temperature Variability in the Southwest Pacific as Reconstructed from the Skeletal Geochemistry of a Tricentennial Coral from New Caledonia. *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract,

2003

- Hill, H., Flower, B. and **Quinn, T.**, Dansgaard-Oeschger Cycles in the Gulf of Mexico: A Clue to Abrupt Climate Change? *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract, PP42A-0855 2003
- Flower, B., Hastings, D., Hill, H., and **Quinn, T.**, Abrupt Climate Change During the Last Glacial Cycle Based on Gulf of Mexico Sediments *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract, PP41A-08 2003
- Smith, J., **Quinn, T.**, Halley., R., Reproducibility of Geochemical and Climate Signatures in *Montastrea annularis* Sediments *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract, PP11A-0196 2003
- Stephans, C., **Quinn, T.**, Taylor, F. and Corregge, T., Assessing the Reproducibility of Coral-based Climate Records: A Multi-proxy Replication Test using Three *Porites lutea* Coral Heads from a Reef Offshore Amedee Island, New Caledonia Sediments *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract, PP52A-0955 2003
- Kilbourne, K., **Quinn, T.**, Taylor, F., Delcroix, T., Gouriou, Y., SPCZ- and ENSO-related Salinity Variations Recorded in the Skeletal Geochemistry of a *Porites* Coral from Espiritu Santo, Vanuatu *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract, PP21D-07 2003
- Quinn, T.**, et al., A Coral Perspective on Holocene Climate Variability in the Western Pacific Warm Pool Vanuatu *Eos Trans. AGU*, 84 (46), Fall Meet. Suppl., Abstract, PP31A-07 2003

2002

- Quinn, T M**, Taylor, F W, Crowley, T J, Stephans, C. A Coral-based Climate Record from the Western Pacific Warm Pool. *Eos Trans. AGU*, 83(47), Fall Meet. Suppl., Abstract PP61A-0293, 2002
- LoDico, J M, Hastings, D W, Flower, B P, **Quinn, T M**. A Multi-proxy Approach to Distinguish Between Changes in SST and Meltwater Input in the Gulf of Mexico Back to MIS 3. *Eos Trans. AGU*, 83(47), Fall Meet. Suppl., Abstract PP62A-0331, 2002
- Hill, H W, Flower, B P, Hastings, D W, Hollander, D J, LoDico, J, **Quinn, T M**. Gulf of Mexico Sea-Surface Temperatures and Laurentide Meltwater Input During MIS 3: Implications for High/Low Latitude Linkages. *Eos Trans. AGU*, 83(47), Fall Meet. Suppl., Abstract PP62A-0333, 2002
- Flower, B P, Hastings, D W, Hill, H W, Hollander, D J, LoDico, J, **Quinn, T M**. Deglacial Warming in the Gulf of Mexico Preceded Laurentide Ice Sheet Meltwater Input: Implications for Tropical Climate Forcing *Eos Trans. AGU*, 83(47), Fall Meet. Suppl., Abstract PP71A-0372, 2002

2001

Kilbourne, K H, **Quinn, T M**, Taylor, F W, Gallup, C, Edwards, R.L., 2001. A Coral Perspective on Modern and Late Pleistocene Climate Variability in the South Pacific Eos, Transactions, American Geophysical Union, 82(47), PP31A-0496.

1999

Quinn, T M, Crowley, T J, Taylor, F W., 1999. Fidelity of Stable Isotope Records in Coral Skeletons: An Assessment of Multiple Records From a Single Site. Eos, Transactions, American Geophysical Union,

Correge, T, Delcroix, T, **Quinn, T M**, Le Cornec, F, Cabioch, G, Recy, J, Taylor, F W., 1999. Coral-Based Western Pacific SST During the Little Ice Age: Implications for ENSO in pre-Industrial Times. Eos, Transactions, American Geophysical Union

1998

Crowley, T J, **Quinn, T M**, Hyde, W T., 1998. Validation of Coral Temperature Estimates. Eos, Transactions, American Geophysical Union,

1997

Quinn, T M, T J Crowley, F W Taylor, C Henin, P Joannot, Y Join, 1997. Multicentury Stable Isotope Record From a New Caledonia Coral: Interannual and Decadal SST Variability in the Southwest Pacific Since 1657. Eos, Transactions, American Geophysical Union,

T Correge, F Le Cornec, G Cabioch, **T M Quinn**, J Recy, F.W. Taylor, 1997. Late Quaternary Tropical Sea Surface Temperature Reconstruction From Multi-Tracer Analyses of Massive Corals From the Western Pacific. Eos, Transactions, American Geophysical Union,

1996

Getty, S R; Asmerom, Y; **Quinn, T M**; DePaolo, D J., 1996. U-Pb dating of corals beyond 750 kyrs, Eos, Transactions, American Geophysical Union, vol.77, no.46, Suppl., pp.297.

1995

Quinn, T M; Crowley, T J; Taylor, F W., 1995. A multi-century coral stable isotope record from New Caledonia, Eos, Transactions, American Geophysical Union, vol.76, no.46, Suppl., pp.323.

Crowley, T J; **Quinn, T M**; Taylor, F W., 1995. Volcanic signal detected in New Caledonia coral record, Eos, Transactions, American Geophysical Union, vol.76, no.46, Suppl., pp.323.

Fatherree, James W; Harries, Peter J; **Quinn, T M.**, 1995. Isotope paleontology; examples from *Baculites compressus* (late Campanian; Pierre Shale) Geological Society of America, Abstracts with Programs, vol.27, no.6, pp.446.

1994

Kayser, R A; **Quinn, T M.**, 1994. An investigation of climatic and environmental change during the middle Pliocene in Southwest Florida using the elemental geochemistry

of a pristine fossil coral, Society of Economic Paleontologists and Mineralogists, Tulsa, OK, United States (USA), 74.

Roulier, L M; **Quinn, T M.**, 1994. Seasonal- to decadal-scale climatic variability in Southwest Florida during the middle Pliocene; inferences from a coralline stable isotope record, Society of Economic Paleontologists and Mineralogists, Tulsa, OK, United States, 107.

Zachos, J C; Opdyke, B N; Jones, C E; Halliday, A; **Quinn, T M.**, 1994. Antarctic glaciation, continental erosion, and early Cenozoic variations in seawater $^{87}\text{Sr}/^{86}\text{Sr}$ values, Eos, Transactions, American Geophysical Union, vol.75, no.16, Suppl., pp.203.

1993

Wyatt, Jennifer; **Quinn, T M**; Davies, G R., 1993. Petrology and chemistry of Limalok and Wodejebato guyots (ODP sites 871 and 874), Republic of the Marshall Islands, Geological Society of America, Abstracts with Programs, vol.25, no.6, pp.317.

Wyatt, Jennifer; **Quinn, T M**; Davies, G R., 1993. Petrology and isotope geochemistry of limestones from Limalok and Wodejebato guyots (ODP Sites 871 and 874), Republic of the Marshall Islands, Eos, Transactions, American Geophysical Union, vol.74, no.43, Suppl., pp.355.

Zachos, J C; Opdyke, B; Jones, C; Halliday, A; **Quinn, T M.**, 1993. Onset of Southern Hemisphere glaciation in the early Cenozoic and the Sr isotopic composition of seawater, Eos, Transactions, American Geophysical Union, vol.74, no.16, Suppl., pp.177.

Salamy, K A; Zachos, J C; Baker, M; **Quinn, T M**; Diester-Haass, L., 1993. High resolution oxygen isotope stratigraphy of the Eocene-Oligocene boundary, sites 522 and 744; implications for high frequency ice-volume variations, Eos, Transactions, American Geophysical Union, vol.74, no.43, pp.367.

Quinn, T M; Taylor, F W; Crowley, T J, 1993. A 173 year stable isotope record from a tropical South Pacific coral, Eos, Transactions, American Geophysical Union, vol.74, no.43, Suppl., pp.372.

Schellenberg, Stephen A; **Quinn, T M.**, 1993. Sea surface seasonality in the western Caribbean during the Pliocene; isotope time-series profiles from *Montastrea annularis*, Geological Society of America, Abstracts with Programs, vol.25, no.6, pp.387.

Roulier, Leanne M; **Quinn, T M**, 1993. Reconstructing seasonal variations during the mid-Pliocene using the carbon and oxygen isotope geochemistry of *Solenastrea bournoni*, Geological Society of America, Abstracts with Programs, vol.25, no.6, pp.329.

1992

Wardlaw, Bruce R; **Quinn, T M**; Cronin, Thomas M, 1992. Stratigraphy, biostratigraphy

and sea-level history of Miocene to Recent sediments of Enewetak Atoll, Marshall Islands International Geological Congress, Abstracts, vol.29, pp.247

1991

Quinn, T M; Lohmann, K C, 1991. Meteoric diagenesis of Plio-Pleistocene carbonates at Enewetak Atoll; a cement stratigraphy approach. Geological Society of America, Abstracts with Programs, vol. 23,no.5, pp.63-64.

1990

Given, R Kevin; **Quinn, T M**; Lohmann, K C; Halliday, A N, 1990. Quantitative modeling of water-rock interactions in meteoric diagenetic systems. AAPG Bulletin, vol.74, no.5, pp.662.

Lohmann, Kyger C; Carpenter, Scott J; **Quinn, T M**; Given, R Kevin, 1990. Multi-element, multi-isotope, microanalytical approaches to studies of carbonate diagenesis, Geological Association of Canada, Program with Abstracts, vol.15, pp.77-78.

Quinn, T M; Lohmann, K C; Halliday, A N, 1990. Isotopic and chemical signatures of eustasy; the record at Enewetak Atoll, AAPG Bulletin, vol.74, no.5, pp.745.

Quinn, T M; Lohmann, Kyger C; Halliday, Alex N., 1990. Dating deposition and diagenesis of middle-Miocene to Recent carbonates at Enewetak Atoll using strontium isotopes, Geological Society of America, Abstracts with Programs, vol.22, no.7, pp.51.

1989

Merriam, D F; **Quinn, T M**, 1989. Recent sediments of Bald Eagle Key and implications for Florida's Bay island stratigraphy, Bulletin of Marine Science, vol.44, no.1, pp.520.

Quinn, T M; Lohmann, K C; Halliday, A N, 1989. Oxygen, carbon, and strontium isotopic constraints on meteoric diagenesis of Pliocene limestones, Enewetak Atoll. Geological Society of America, Abstracts with Programs - Geological Society of America, vol.21, no.6, pp.221.

1985

Quinn, T M., 1985. Late Cenozoic limestones on Enewetak Atoll; a 5 Ma record of glacio-eustasy and diagenesis, Geological Society of America, Abstracts with Programs, vol.19, no.7, pp.811.

Quinn, T M; Merriam, Daniel F., 1985. Florida Bay revisited; development of a shallow-water carbonate facies mosaic in response to the Holocene transgression, The Geological Society of America, Abstracts with Programs, vol.17, no.7, pp.694.

1984

Quinn, T M; Merriam, D F., 1984. Development of stratigraphic, sedimentologic, and geomorphic features on the Miami Limestone (Pleistocene) in South Florida, The

Geological Society of America, Abstracts with Programs - Geological Society of America, vol.16, no.2, pp.111.