

# Dr. Thomas Stemann

## Selected Publications

Loeser, H., T.A. Stemann & S. Mitchell, 2009. Oldest scleractinian fauna from Jamaica (Hauterivian, Benbow Inlier). *Journal of Paleontology* 83(3):333-349.

Collins, J.S.H., S.K. Donovan, T. A. Stemann , 2009. Fossil Crustacea of Late Pliocene Port Morant Formation, west Port Morant Harbour, southeastern Jamaica. *Scripta Geologica* 138:23-53, 7 pls. 1 fig. 1 tab.

Stemann, T. A . and S. K. Donovan, 2008. Paleo-channel or sinkhole? Reinterpretation of an enigmatic structure near Discovery Bay, north central Jamaica. *Caribbean Journal of Science* 44 (2): 242-245.

Stemann, T.A., G. Gunter, and S. Mitchell, 2007. Reef coral diversity in the Late Maastrichtian of Jamaica. *Schriftenreihe der Erdwissenschaftlichen Kommissionen , Austrian Academy of Sciences* , p. 455-469.

Donovan, S.K. & Stemann, T.A. 2006. Where have all the sponges gone? The significance of spicules from the Upper Pliocene Hopegate Formation of Jamaica. *Caribbean Journal of Science* , 42 (2):239-243 .

Stemann, T. A . 2004. Reef corals of the White Limestone Group of Jamaica. *Cainozoic Research* 3(1-2), p. 83-107.

Mitchell, S., T. A. Stemann , D. Blissett, I. Brown, W. O'Brien Ebanks, G. Gunter, D. J. Miller, A. Pearson, B. Wilson and W. Young, 2004. Late Maastrichtian rudist and coral assemblages from the Central Inlier , Jamaica : towards an event stratigraphy for shallow-water Caribbean limestones . *Cretaceous Research* , 25(4):499-507.

Mitchell, S.F., R.K. Pickerell, and T.A. Stemann, 2001. the Port Morant Formation (Upper Pleistocene, Jamaica): high resolution sedimentology and paleoenvironmental analysis of a mixed carbonate clastic lagoonal succession. *Sedimentary Geology* 144:291-306.

Budd, A. F., K. G. Johnson and T. A. Stemann, and B.H. Tompkins, 1999. Pliocene to Pleistocene reef coral assemblages in the Limon Group of Costa Rica. In: L. S. Collins & A. G. Coates (eds.), : A Paleobiotic Survey of Caribbean Faunas from the Neogene of the Isthmus of Panama. *Bulletins of American Paleontology*, no. 357, 119-158.

Stemann, T. A., 1997. The Salt Mountain Limestone of Alabama: Part IV, Corals. *Tulane Studies in Geology and Paleontology*, 30(1):31-38.

Bosellini, F. and T. A. Stemann, 1996. Autoecologic significance of growth form in the scleractinian *Actinacis rollei* Reuss (Oligocene, Lessini Mountains, Northern Italy). *Bollettino della Società Paleontologica Italiana Spec. Vol. 3*:31-43.

Budd, A. F., F. Bosellini and T. A. Stemann, 1996. Systematics of the Oligocene to Miocene reef coral *Tarbellastraea* in the Northern Mediterranean region. *Palæontology* 39:515-560.

Budd, A. F., K. G. Johnson and T. A. Stemann, 1996. Plio-Pleistocene turnover and extinctions in the Caribbean reef coral fauna. In *Evolution and Environment in Tropical America*, J. B. C. Jackson, A. F. Budd, & A. G. Coates (eds.) Chicago: The University of Chicago Press, pp. 168-204.

Johnson, K. G., A. F. Budd and T. A. Stemann, 1995. Extinction selectivity and ecology of Neogene Caribbean reef-corals. *Paleobiology*, 21(1):52-73.

Budd, A. F., T. A. Stemann and K. G. Johnson, 1994. Stratigraphic distributions of Neogene to Recent Caribbean reef corals: A new compilation. *Journal of Paleontology*, 68:951-977.

Budd, A. F., K. G. Johnson and T. A. Stemann, 1993. Plio-Pleistocene extinctions and the origin of the modern Caribbean reef-coral fauna. In: *Global Aspects of Coral Reefs: Health, Hazards and History*. University of Miami, Rosentiel School of Marine and Atmospheric Science. pp 7-13.

Stemann, T. A. and K. G. Johnson, 1992. Coral assemblages, biofacies, and ecological zones in the mid-Holocene reef deposits of the Enriquillo Valley, Dominican Republic. *Lethaia*, 25:231-241.

Budd, A. F., T. A. Stemann and R. Stewart, 1992. Eocene Caribbean reef corals: A unique fauna from the Gatuncillo Formation of Panama. *Journal of Paleontology*, 66:578-602.

## Manuscripts in Press

Collins, J.S.H., S.K. Donovan, T.A. Stemann & D.J. Blissett, 2010. Crustaceans of the Upper Miocene August Town Formation of eastern Jamaica. *Scripta Geologica Special Issue* , 7 :

Papers Presented at Conferences (published abstracts):

Stemann, T. A. 2008. Early Cenozoic recovery of Caribbean reef coral communities. 11 th International Coral Reef Symposium, 2008 July 7-11, 2008 , Ft. Lauderdale , FL , Abstracts, p. 7.

Stemann, T. A. 2008. Re-evaluating the biogeography of Cenozoic Caribbean reef corals. Abstracts and Program, 18 th Caribbean Geological Conference, Santo Domingo , DR 24-28 March 2008, p. 69.

Stemann, T. A. 2007. Pennular-like structures in modern and fossil scleractinian corals of the family Agariciidae. X International Congress on Fossil Cnidaria and Porifera 12- 17 August 2007 , Proceedings Abstracts, St. Petersburg , Russia .

Stemann, T. A. , 2006. Disturbance and the size of *Acropora palmata* on Late Pleistocene Jamaican reefs . Geological Society of America Abstracts with Programs , Vol. 38, No. 7, p. 535.

James, S., T. A. Stemann and S. Mitchell, 2006. Coral reefs and patch reefs at Dead Man's Bone's, rapid burial or slow sediment stress? Geological Society of America Abstracts with Programs, Vol. 38, No. 7, p. 515.

Stemann, T. A ., S. F. Mitchell and G. C. Gunter, 2005. Coral communities in the Latest Maastrichtian of Jamaica. Geological Society of America Abstracts with Programs , Vol. 37, No. 7, p. 527.

Stemann, T. A. 2005. Hopegate Formation reefs and uplift in northern Jamaica . Geological Society of Jamaica 50 th Anniversary Conference, Programme, Abstracts and Field Guides , p.15.

Stemann, T. A ., Mitchell, Simon F., and Gunter, Gavin C. 2005. Coral communities in the Latest Maastrichtian of Jamaica. Geological Society of America Abstracts with Programs , Vol. 37, No. 7, p. 527.

Stemann, T. A., S.K. Donovan, and R. W. Portell, 2005. Extinct and extant reef corals coexisting on a fossil reef tract from northern Jamaica. Proceedings of the 7 th Conference, Faculty of Pure and Applied Sciences , The University of the West Indies, Mona, p. 43-44.

Stemann, T.A ., S. Donovan, R. Portell, 2004. Late Pliocene reef coral associations from the Hopegate Formation of northern Jamaica . Geological Society of America Abstracts with Programs , Vol. 36, No. 2, p. 134.

Donovan, S., R. Portell and T.A. Stemann , 2004. Macropaleontology of the Hopegate Formation, Jamaica , an Upper Pliocene raised reef. Geological Society of America Abstracts with Programs , Vol. 36, No. 2, p. 110.