

BIBLIOGRAPHICAL SKETCH

Kevin J. Eckelbarger
Professor of Marine Biology
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Education: B.Sc. Marine Science, California State University, Long Beach, 1967
M.S. Marine Science, California State University, Long Beach, 1969
Ph.D. Marine Zoology, Northeastern University, 1974

Professional Experience:

Director, Darling Marine Center, The University of Maine, 1991-
Prof. of Marine Biology, School of Marine Sciences, Univ. of Maine, Orono
1991-
Director, Division of Marine Sciences, Harbor Branch Oceanographic Inst.
(HBOI), Ft. Pierce, Florida, 1985-1987; 1990-91
Senior Scientist (1981-90), **Associate Scientist** (1979-81), **Assistant Scientist**
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Director, Postdoctoral Fellowship Program, Harbor Branch Oceanographic Inst.,
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Invertebrate Biology
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For the past 30 years, much of his research has concentrated on the reproductive ecology of deep-sea invertebrates inhabiting Pacific hydrothermal vents, the Bahamas Islands, and methane seeps in the Gulf of Mexico. The research has been funded largely by NSF (Biological Oceanography Program) and NOAA and involved the use of research vessels, manned submersibles, and ROV's.

Some Recent Publications:

Eckelbarger, K.J & N. W. Riser. 2013. Derived sperm morphology in the interstitial sea cucumber *Rhabdomolgus ruber* with observations on oogenesis and spawning behavior. *Invertebrate Biology*. 132: 270-281.

Hodgson, A.N., **K.J. Eckelbarger**, V. Hodgson, and C.M. Young. 2013. Spermatozoon structure of *Acesta oophaga* (Limidae), a cold-seep bivalve. *Invertebrate Reproduction & Development*. 57: 70-73.

- Hodgson, A.N., V. Hodgson and **K. J. Eckelbarger**. 2012. Structure and formation of the unusual sperm of *Patelloida latistrigata* (Mollusca : Patellogastropoda): implications for fertilization biology. *Biological Bulletin* 222: 118-127.
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- Hodgson, A.H., **K.J. Eckelbarger**, C.M.Young. 2009. Sperm ultrastructure and spermatogenesis in the hydrothermal vent gastropod *Rhychopelta concentrica*. *Journal Molluscan Studies* 75: 159-165.
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- Tyler, P.A., S. Pendlebury, S.W. Mills, L. Mullineaux, **K.J. Eckelbarger**, M. Baker, C.M. Young. 2008. Reproduction of gastropods from vents on the East Pacific Rise and the Mid-Atlantic Ridge. *Journal of Shellfish Research*, 27:107-118.
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- Eckelbarger, K.J.** and C.M. Young. 2002. Spermiogenesis and modified sperm morphology in the "Seepworm" *Methanoaricia dendrobranchiata* (Polychaeta: Orbiniidae) from a methane seep environment in the Gulf of Mexico: implications for fertilization biology. *The Biological Bulletin* 203: 134-143.
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- vulgaris* (Polychaeta: Sabellariidae). Marine Biology 30: 137-149.
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Courses Taught:

- *Reproductive & Larval Biology of Invertebrates*: Summer 1990, HBOI
- *Invertebrates of the Coast of Maine* – 1992-2013 (DMC)
- *Functional Morphology & Histology of Invertebrates* – May Term 2011-13