

CURRICULUM VITAE

Mary Katherine Wicksten
Professor
Curator of Marine Invertebrates at TAMU Biodiversity
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Education:

Humboldt State College, Arcata, California: B.A. Biology,
1970; M.A. Biology 1972.
University of Southern California, Los Angeles, California:
Ph.D. Biology, 1977.
Faculty member, Texas A&M University 1980-present. Currently
teach 2 classes, 1 seminar, supervise undergraduate
research. 1 EEB graduate student, 1 MARB graduate student.
Curator of collection of marine invertebrates at
Biodiversity Research and TEaching Collection, TAMU.

Additional study: Shoals Marine Laboratory 1991. Visits to
Australian Museum, California Academy of Sciences, Los
Angeles County Museum of Natural History, U.S. Museum of
Natural History (Smithsonian Institution), Muséum d'Histoire
Naturelle, Paris; Scripps Institution of Oceanography,
Universidad Autonoma de Mexico.

Organizations:

American Association for the Advancement of Science,
Biological Society of Washington, Crustacean Society, Sigma
Xi, Southern California Academy of Sciences, Underwater
Photographic Society, Society for Integrative and
Comparative Biology.
National Fellow, Explorers Club; Research Fellow, California
Academy of Sciences and Natural History Museum of Los
Angeles County.

Recent and noteworthy publications:

Hancock, Z. and M.K. Wicksten. 2018. Two new species of
sand-burrowing amphipods of the genus *Haustorius* (Amphipoda:
Haustoriidae) in gthe northwestern Gulf of Mexico. *Zootaxa*
4459:101-127.

Sigwart, J., M.K. Wicksten, M. Jackson, S. Herrera. Deep sea video technology tracks a monoplacophoran to the end of its trail (Mollusca, Tryblida). Marine Biodiversity (on-line) <https://doi.org/10.1007/s12526-018-0860-2>

Wicksten, M.K. 2017. Feeding on cnidarians by giant pycnogonids (Pycnogonida: Colossendeidae Jarzinsky, 1870) in the North Central Pacific and North Atlantic oceans. J. Crust. Biol. 37: 359-360.

Hancock, Z., J.A. Goeke and M.K. Wicksten 2017. A sea anemone of many names: a review of the taxonomy and distribution of the invasive actiniarian *Diadumene lineata* (Diadumenidae), with records of its reappearance on the Texas coast. Zookeys 706: 1-15.

Amon, D.J., Ziegler, A.F.; Drazen, J.V.; Grischenko, A.V.; Leitner, A.B; Lindsay, D.J., Voight, J.R.; Wicksten, M.K Young, C.M.; Smith, C.R. 2017. Megafauna of the UKSRL exploration contract area and eastern Clarion-Clipperton Zone in the Pacific Ocean: Annelida, Arthropoda, Bryozoa, Chordata, Ctenophora, Mollusca. Biodiversity Data journal 5: e14598.

Baba, K. and M.K. Wicksten. 2017. *Uroptychus atlanticus*, a new species of squat lobsters (Crustacea: Decapoda: Anomura: Chirostylidae) from the western Atlantic Ocean. Zootaxa 4227: 295-300.

Baba, K. and M.K. Wicksten. 2017. *Uroptychus nitidus* (A. Milne Edwards, 1800) and related species (Crustacea: Decapoda: Anomura: Chirostylidae) from the western Atlantic. Zootaxa 4221: 251-290.

Wicksten, M.K., S. De Grave, S. France, and C. Kelley. 2017. Presumed filter-feeding in a deep-sea benthic shrimp (Decapoda, Caridea, Stylodactylidae), with records of the deepest occurrence of carideans. ZooKeys 646: 17-23.

Guinot, D. and M. Wicksten. 2015. Chapter 11. Camouflage: Carrying behavior, decoration behavior, and other modalities of concealment. Pp. 538-638 In: Castro, P. ed. Traite de Zoologie. Leiden: Koninklijke Brill. Crustacea vol. 9B. (Invited contribution)

Wicksten, M.K. 2015. Vertical reefs: life on oil and gas platforms in the northern Gulf of Mexico. Texas A&M University Press, College Station, Texas. 116 pp.

Wicksten, M.K. 2012. Decapod crustaceans of the Californian and Oregonian Zoogeographic Provinces. *Zootaxa* 3371:1-307.

Wei, C., Rowe, G., Wicksten, M. et al. 2010. Global patterns and predictions of seafloor biomass using random forests. *PLoS ONE* 5(12): 1-26.

Wicksten, M. 2010. Chapter 64. Infraorder Caridea Dana, 1852. Pp. 165-206 in Schram, F. ed. *Traite de Zoologie Crustacea* 9A. Leiden, the Netherlands: Koninklijke Brill.

Wicksten, M.K. and Packard, M. 2005. A qualitative zoogeographic analysis of decapod crustaceans on the continental slopes and abyssal plain of the Gulf of Mexico. *Deep-Sea Research part 1*, 52: 1745-1765.

Submitted:

Wicksten, M.K. Decapod crustacean symbionts of deep corals in the west-central Pacific. Invited contribution, *Frontiers in Marine Science*.

Mary K. Wicksten studies biogeography, systematics and behavior of decapod crustaceans, especially caridean shrimps. She has authored or co-authored more than 140 refereed papers and described more than 40 new species. She serves as curator of marine invertebrates at the Texas Biodiversity, Teaching and Research Collection. She currently assists in studies sponsored by the National Oceanographic and Atmospheric Administration by remotely operated vehicle on the biota of deep rocky habitat in the central and western Pacific at depths to 5000 m. She has more than 1360 hours of experience as a scuba diver (PADI Divemaster, TAMU scientific diver) and underwater photographer. She has participated in underwater studies in the Caribbean, West Atlantic, Gulf of Mexico, and eastern and western Pacific. Her recent collaboration with the expeditions of the NOAA ship *Okeanos Explorer* by satellite feed to a remotely operated vehicle have resulted in a wealth of new information on behavior, commensal and

predatory relationships, and general anatomy of deep-sea animals