

References & ID Sources used by the URI Graduate School of Oceanography's Marine Ecosystems Research Laboratory (MERL) in the identification of marine invertebrates

In the absence of a single “catch all” key or field guide to marine invertebrates on the East Coast, MERL has compiled an extensive library of books and papers to aid organism identification. For the identification of Polychaetes we primarily use the reports by Appy, *et al.* (1980), Pettibone (1963), and Brinkhurst, *et al.* (1975). Identification of amphipods is aided by Bousfield (1973) and Brinkhurst, *et al.* (1975). Nematodes are identified with the help of an illustrated guide by Tarjan (1980). Gastropods are identified using keys by Turner (unpublished) and by Brinkhurst, *et al.* (1975). The above resources aid in the identification about 99% of the organisms we come across. The remaining 1% is covered by the countless species specific papers that are also found in MERL's benthic library. The references listed below are ones we have found particularly helpful in the identification of a majority of the marine invertebrates we encounter.

Appy, Teresa D., Leslie E. Linkletter, and M.J. Dadswell. 1980. A guide to the marine flora and fauna of the Bay of Fundy: Annelida:Polychaeta. Fish. Mar. Serv. Tech. Rep.920, v + 124 p.

Bousfield, E.L. 1973. Shallow-Water Gammaridean Amphipoda of New England. Cornell University Press, Ithaca, NY. 312 p.

Brinkhurst, R.O., L.E. Linkletter, E.I. Lord, S.A. Connors, and M.J. Dadswell. 1975. A Preliminary guide to the littoral and sub littoral marine invertebrates of Passamaquoddy Bay. Barns Hopkins Ltd., Saint John, N.B., 166 p.

Bush, L. F. 1981. Marine Flora and Fauna of the Northeastern United States. Turbellaria: Acoela and Nemertodermatida. NOAA Technical Report NMFS Circular No. 440. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Seattle, WA,: 71 pp.

Fauchald, K. 1977. *The Polychaete Worms: Definitions and Keys to the Orders, Families and Genera*. Los Angeles, CA, Natural History Museum of Los Angeles County.

Gosner, K. L. 1971. *Guide to Identification of Marine and Estuarine Invertebrates: Cape Hatteras to the Bay of Fundy*. New York, John Wiley & Sons, Inc.693pp.

Gosner, K. L. 1978. *A Field Guide to the Atlantic Seashore*. New York, Houghton Mifflin Company.

Miner, R. W. 1950. *Field Book of Seashore Life*. New York, NY, G.P. Putnam's Sons.

Morris, P., A. 1973. *A Field Guide to Shells of the Atlantic and Gulf Coasts and the West Indies*. Boston, MA, Houghton Mifflin Company.

- Pittibone, Marian H., 1963. Marine Polychaete Worms of the New England Region. 1. Aphroditidae through Trochochaetidae. Bull. U.S. Nat. Mus. 227: 1-356.
- Schell, S. C. 1970. *How to Know the Trematodes*. Dubuque, Iowa, Wm. C. Brown Company Publishers.
- Smith, R.I. (ed.), 1964. Keys to Marine Invertebrates of the Woods Hole Region. Systematics-Ecology Program, Marine Biological Laboratory Contribution No. II. Spaulding Co., Randolph, MA, 208 pp.
- Tarjan, Armen Charles. 1980. An illustrated guide to Marine Nematodes. Inst. Of Food & Agricultural Sciences. Univ. of Florida. 135 p.
- Turner, Ruth. Key to shelled Benthic Gastropoda. Unpublished Manuscript.
- Weiss, H. M. 1995. *Marine Animals of Southern New England and New York: Identification keys to common nearshore and shallow water macrofauna*. Hartford, CT, State Geological and Natural History Survey of Connecticut Department of Environmental Protection.