

MAS NOTE

From the University of Delaware Sea Grant Marine Advisory Service
College of Marine Studies, University of Delaware, 700 Pilottown Road, Lewes, DE 19958

CIRCULATING COPY

Sea Grant Depository

MARINE RELATED CAREERS

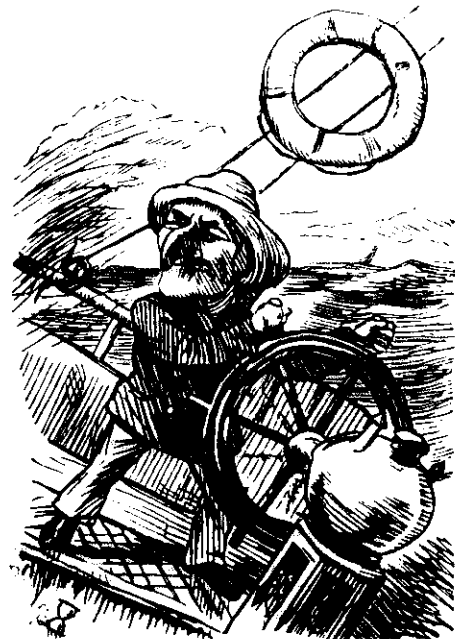
by William R. Hall, Education Specialist
(302) 645-4253

Today's youth are exposed to many career areas and opportunities through travel, school, and the media. Many students are overwhelmed by the sheer numbers of career choices and need guidance in choosing a prospective career. Marine-related careers, in particular, often are singled out as of high interest to students. The mass media, by playing on society's ageless fascination with the sea and its creatures, have contributed largely to the popularity of marine-related careers. Most, if not all, of the media's treatment of marine careers, however, has focused on some aspect of marine biology, which is just one of a great many careers that pertain to the oceans. This media emphasis continues to motivate students toward careers in marine biology.

Marine careers are not limited to the study of ocean life. Often, marine-related jobs, particularly technical professions, are merely extensions of jobs performed on land. Some of the categories of marine-related careers that exist today include the merchant marine, fishing and the seafood industry, recreation and tourism, marine sciences, marine environmental management, marine technology, and the marine military. The educational requirements for these marine careers vary widely, from a high school degree to a Ph.D. degree, depending on the career choice. It is fair to say, however, that most careers require some type of formal education or training, and higher education usually means greater opportunities for advancement. Careers in the sciences, particularly those in the physical sciences, currently offer students some of the best professional opportunities.

If your students are considering marine careers, it would be to their benefit to read as much information as they can about the careers, their requirements, and their potential job availabilities. The list of references provided here is a good place to start. Suggest to your students that they contact someone who is working in the career of their interest, so that they can get some first-hand knowledge about their field.

The University of Delaware Sea Grant Marine Advisory Service has produced a 20-minute slide/tape presentation on the subject, entitled "Marine Careers," which is available for free loan to interested educators. The presentation gives high school and college-level students practical information on a wide variety of marine-related career opportunities. For more information about the presentation, call Bill Hall, Sea Grant marine education specialist, at (302) 645-4253 or Chris Dyckman, Sea Grant media specialist, at (302) 451-8185.



SOURCES OF MARINE CAREER MATERIALS

NOTE: Single copies of the following publications are usually available at a minimal charge or free and can be obtained by writing the addresses noted.

Abel, Robert B. **Careers in Oceanography**. Sea Grant College Program, Texas A & M University, College Station, Texas 77843. TAMU-SG-79-608, March 1979.

Burtis, William S. **Ocean Opportunities**. The Marine Technology Society, 1730 M St., N.W., Washington, D.C. 20036.

Careers in Oceanography. School of Oceanography, Oregon State University, Corvallis, Oregon 97331.

Goodwin, Harold L. **Today's Youth in Tomorrow's Sea**. Oregon State University; Extension Marine Advisory Program; Corvallis, Oregon 97331; SG 45, June 1977.

Hollin, Dewayne. **Vocational-Technical Marine Career Opportunities in Texas**. Marine Advisory Service, Texas A & M University, College Station, Texas 77843.

Hollister, Charles D. "In Pursuit of Oceanography and a Better Life for All." **Oceanus**, Vol. 26, No. 2, Summer 1983.

Humes, Arthur G. **Marine Biology as a Career**. Reprinted from *The American Biology Teacher*, Vol. 40, No. 3, March 1978.

Professional Marine Careers. Bulletin E-1356, April 1980, MICHI-SG-79-410, Cooperative Extension Service, Michigan State University.

Scientific Marine Careers. Bulletin E-1355, April 1980, MICHI-SG-79-408, Cooperative Extension Service, Michigan State University.

Stout, Prentice K., Editor. **Marine Career Series: Marine-Related Occupations A Primer for High School Students**. Marine Advisory Service, NOAA/Sea Grant. University of Rhode Island, Marine Memorandum 41.

Technical Marine Careers. Bulletin E-1357, April 1980, MICHU-SG-79-409, Cooperative Extension Service, Michigan State University.

NOTE: The following represent particularly good reference books in the field. Check with your librarian. He or she may have a copy or may be able to locate a copy.

Environmental Scientists and Conservation Occupations. Reprinted from *Occupational Outlook Handbook*, 1978-79 Edition, U.S. Dept. of Labor, Bureau of Labor Statistics, Bulletin 1955-19, 1978.

Heitzman, William Ray. **Opportunities in Marine and Maritime Careers**. VGM Career Horizons - A Division of National Textbook Company, 8259 Niles Center Road, Skokie, Illinois 60077 — (312) 679-4210.

McManus, John. **Careers in Oceanography: Romance vs. Reality**. Neritic Enterprises, P.O. Box 5485, Santa Barbara, CA 93108, TWX 374-748.

University Curriculum in the Marine Sciences and Related Fields. U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, Office of Sea Grant, 6010 Executive Blvd., Rockville, MD 20852.

Waters, John F. **Maritime Careers**. Franklin Watts, New York and London. 1977.....