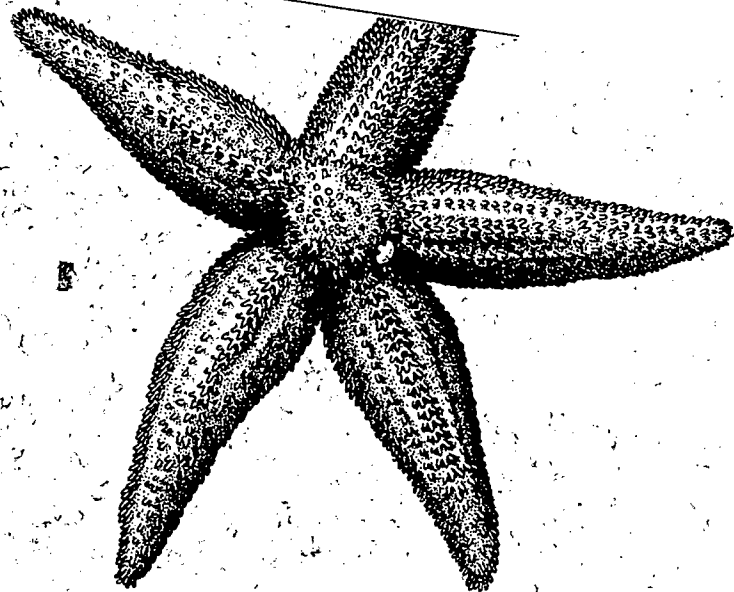


# Marine Science Reading List

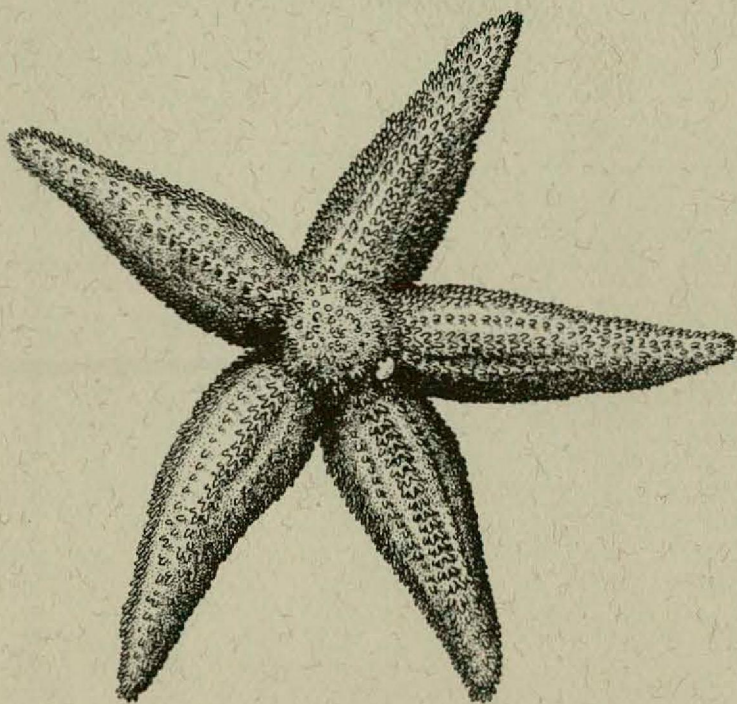
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Marine Science Reading List  
WHOI-L-95-002



MBL/WHOI Library  
Publication

September 1995

# **Marine Science Reading List**



**MBL/WHOI Library  
Publication**

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## TABLE OF CONTENTS

Aquaculture .....	1
Aquaria .....	1
Archaeology/Anthropology .....	2
Cape Cod .....	4
Marine Biology .....	5
Birds .....	8
Fish .....	10
Sharks .....	12
Invertebrates .....	14
Shells and Corals .....	16
Marine Ecology .....	17
Marine Mammals .....	18
Marine Models in Biomedical Research .....	22
Oceanography .....	23
Chemical Oceanography .....	28
History of Ocean Sciences .....	28
Marine Geology/Geophysics .....	30
Meteorology .....	33
Ocean Engineering .....	34
Physical Oceanography .....	35
Resources and Future Uses of the Oceans .....	36
Seashore .....	37
Ships and Submersibles .....	40
Underwater Exploration .....	41
 <i>Careers in Marine Science</i> .....	 42
<i>Greenhouse Effect</i> .....	42
<i>Pollution</i> .....	43
<i>(y)Science Projects</i> .....	44
<i>Information Sources</i> .....	45
<i>Marine Science Information on the Internet</i> .....	47
<i>Dictionaries</i> .....	48
<i>Encyclopedias</i> .....	48
<i>Films and Videos</i> .....	49

(y) - indicates youth title

(y & a) - indicates title appropriate for both youth and adult

Dakin, Nick  
Forward by Julian Sprung  
**The Macmillan Book of the Marine Aquarium: A Definitive Reference to More Than 300 Marine Fish and Invertebrate Species and How to Establish and Maintain a Reef Aquarium**  
Macmillan, 1993, 399 p.

Hargreaves, Vincent B.  
**The Tropical Marine Aquarium**  
David & Charles Books,  
Distributed by Sterling Publishing Co., 1989, 156 p.

Moe, Martin A., Jr.  
**The Marine Aquarium Handbook: Beginner to Breeder**  
Green Turtle Press, 1992, 320 p.  
(Covers the nature of marine water, filtration methods, lighting, selection of fish, diseases, food and feeding, and breeding.)

Quinn, John R.  
Illustrations by the author.  
Photographs by Luci Quinn.  
**Our Native Fishes: The Aquarium Hobbyists' Guide to Observing, Collecting and Keeping Them**  
Countryman Press, 1990, 242 p.

Spotte, Stephen  
**Captive Seawater Fishes: Science and Technology**  
Wiley, 1992, 943 p.

Spotte, Stephen  
**Seawater Aquariums**  
Wiley Interscience, 1979, 413 p.  
(Standard guide.)

(y)**How to Set Up and Maintain a Saltwater Aquarium**  
Marine Information Service. Sea Grant College Program. Texas A & M University, College Station, Texas, 1981, 8 p.

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## ARCHAEOLOGY/ ANTHROPOLOGY

---

(y)Archbold, Rick  
**Deep Sea Explorer: The Story of Robert Ballard, Discovery of The TITANIC**  
Scholastic, Inc., 1994, 160 p.

(y)Ballard, Robert  
**Exploring the BISMARCK: The Real-life Quest to find Hitler's Greatest Battleship**  
Scholastic/Madison Press Book, 1991, 64 p.  
(Recreates the sea battle that sank the German battleship in World War II. Describes how it was found in 1989.)

(y)Ballard, Robert  
**Exploring the TITANIC**  
Scholastic, Inc., 1988, 64 p.  
(Describes the luxury liner that sank in 1912 and the discovery and exploration of its underwater wreckage.)

(y)Ballard, Robert D. with Rich Archbold  
(Archaeological and historical consultant, Anna Marguerite McCann)  
**The Lost Wreck of the ISIS**  
Scholastic/Madison, 1990, 63 p.  
(Time Quest Book)  
(A Roman shipwreck site in the Mediterranean.)

---

## AQUACULTURE

---

Bardach, J. E., J. H. Ryther  
and W. O. McLarney

**Aquaculture: The Farming and  
Husbandry of Freshwater &  
Marine Organisms**

Wiley-Interscience, 1972, 868 p.

Berg, Carol J., Jr., ed.

**Culture of Marine Invertebrates:  
Selected Readings**

Hutchinson Ross Publishing Co.,  
1983, 386 p.

Borgese, Elizabeth Mann

**Seafarm: The Story of  
Aquaculture**

H. N. Abrams, 1980, 236 p.

Brown, E. Evan

**World Fish Farming: Cultivation  
and Economics**

Second edition.

AVI Publishing Company, Inc.,  
1983, 501 p.

Creswell, R. LeRoy

**Aquaculture Desk Reference**

Van Nostrand Reinhold, 1993,  
206 p.

Huguenin, John E. and John Colt  
**Design and Operating Guide for  
Aquaculture Seawater Systems**

Elsevier, 1989, 264 p.

Hunter, Charles J.

**Edible Seaweeds: A Survey of the  
Industry and Prospects for  
Farming the  
Pacific Northwest**

February, 1975. Marine Fisheries  
Review Paper 1123, available from:

D83

Technical Information Division  
Environmental Science  
Information Center  
NOAA  
Washington, DC 20235

**Marine Aquaculture:  
Opportunities for Growth**

National Academy Press, 1992,  
290 p.

McVey, James P.

**Finfish Aquaculture**

CRC Press, 1991, 256 p.

Menzel, Winston

**Estuarine and Marine Bivalve  
Mollusk Culture**

CRC Press, 1991, 432 p.

Nakamura, Hiroshi

Translated by Robert Wargo

**Spirulina: Food for a Hungry  
World—A Pioneer's Story of  
Aquaculture**

University of the Trees Press,  
1982, 215 p.

Pillay, T.V.R.

**Aquaculture and the  
Environment**

Halstead Press, 1992, 189 p.

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## AQUARIA

---

Adey, Walter H. and Karen  
Loveland

**Dynamic Aquaria: Building  
Living Ecosystems**

Academic, 1991, 643 p.

Bascom, Willard

**Deep Water, Ancient Ships:  
The Treasure Vault of  
the Mediterranean**

Doubleday, 1976, 226 p., illus.  
(Digest of world maritime history;  
modern deep sea archaeology.)

Beck, Horace

**Folklore and the Sea**

Mystic Seaport (American  
Maritime Library, Volume 6) 1973,  
480 p., illus.

Burgess, Robert

**Man 12,000 Years Under the Sea**

Dodd, 1980, 448 p., illus.  
(Underwater archaeology.)

(y)Ford, Barbara

**Underwater Dig: The Excavation  
of a Revolutionary War Privateer**

Wm. Morrow, 1982, 154 p.  
(Exploration of a shipwreck in  
Penobscot Bay, Maine.)

(y)Gibbons, Gail

**Sunken Treasure**

Thomas Y. Crowell, 1988, 32 p.  
(Spanish ship found off Florida.)

Green, Jeremy

**Maritime Archaeology:  
A Technical Handbook**

Academic, 1990, 282 p.

(y)Lampton, Christopher

**Undersea Archaeology**

Watts, 1988, 96 p.  
(The use of new technology to  
retrieve artifacts from the ocean  
floor. Exploration of shipwrecks,  
such as VASA, MARY ROSE and  
TITANIC.)

(y)Lyttle, Richard B.

**Waves Across the Past:  
Adventures in Underwater  
Archaeology**

Atheneum, 1981, 207 p.

Marx, Robert F.

**In Quest of the Great White  
Gods: Contact Between the Old  
and New World from the Dawn  
of History**

Crown, 1992, 343 p.

Smith, M. Estellie, ed.

**Those Who Live from the Sea: A  
Study in Maritime Anthropology**

West Publishing, 1977, 276 p.  
(American Ethnological Society  
Monographs, no. 62.)

Spoehr, Alexander, ed.

**Maritime Adaptations: Essays on  
Contemporary Fishing  
Communities**

University of Pittsburgh Press,  
1980, 161 p.

Throckmorton, Peter, ed.

**The Sea Remembers:  
Shipwrecks and Archaeology  
from Homer's Greece to the  
Rediscovery of the TITANIC**

Weidenfeld & Nicolson, 1987,  
240 p.

*Magazine Articles  
and Issues*

(y & a)Gillies, William

**Preserving a common heritage:  
treatment of marine artifacts**

*SeaFrontiers*, vol. 31, pp. 140-146,  
May/June, 1985.

---

**Marine archaeology**

*Oceanus*, vol. 28(1), Spring, 1985.

(y & a)Marx, Robert F.

**In search of the perfect wreck:  
high tech tools open new  
windows to a sunken past**

*SeaFrontiers*, vol. 36, pp. 46-51,  
September/October, 1990.

(y & a)Miller, Edward M.

**The Monitor National  
Marine Sanctuary**

*Oceanus*, vol. 28, pp. 66-71,  
Spring, 1985.

(y & a)Ryan, Paul R.

**The TITANIC revisited**

*Oceanus*, vol. 29(3), pp. 2-15,  
Fall, 1986.

(Submersible ALVIN, robotic vehicle  
JASON Jr. and ANGUS helped  
document the wreck site for  
posterity.)

(y & a)**The TITANIC:**

**lost and found**

*Oceanus*, vol. 28(4), Winter,  
1985/86.

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**CAPE COD**

---

Bavendam, Fred

**Beneath Cold Waters: The  
Marine Life of New England**

Down East Books, 1980, 126 p.

Berrick, Stephan

**Crabs of Cape Cod**

Cape Cod Museum of Natural  
History, 1986, 76 p.

(Natural History Series no. 3.)

Finch, Robert

Drawings by Amanda Cannell.

**Common Ground,  
a Naturalist's Cape Cod**

Godine, 1981, 142 p.

Hay, John

**The Undiscovered Country**

W. W. Norton, 1981, 192 p.

Kingsbury, John M.

**Seaweeds of Cape Cod  
and the Islands**

Chatham Press, 1969, 212 p.

(Detailed study of marine flora and  
its environment.)

Lazell, James D.

**This Broken Archipelago:  
Cape Cod and the Islands,  
Amphibians, and Reptiles**

Quadrangle, 1976, 260 p.

(Cape Cod species.)

Oldale, Robert N.

**Geologic History of Cape Cod,  
Massachusetts**

U.S. Geological Survey, 1980,  
23 p.

Strahler, Arthur N.

**A Geologist's View of Cape Cod**

Parnassus Imprints, 1988, 128 p.

(Published for the American  
Museum of Natural History.)

Zinn, Donald J.

**Marine Mollusks of Cape Cod**

Cape Cod Museum of Natural  
History, 1984, 80 p.

(Natural History Series no. 2.)

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## MARINE BIOLOGY

---

Bulloch, David K.

Illustrated by Helen and Lou Burlingame.

**The American Littoral Society  
Handbook for the Marine  
Naturalist**

Walker, 1991, 165 p.

Carr, Archie

**So Excellent a Fishe: A Natural  
History of Sea Turtles**

Revised edition.

Scribner's, 1984, 280 p.

Catala, Rene

**Treasures of the Tropic Sea**

Facts on File, 1986, 334 p.

(700 color photographs, South Pacific species.)

(y)Coldrey, Jennifer

**Life in the Sea**

(Sea Series)

Franklin Watts, 1991, 32 p.

(Ocean life at different depths, coral reefs, seashores.)

(y)Colin, Patrick L.

**Marine Invertebrates and Plants  
of the Living Reef**

TFH Publications, 1988, 512 p.

(y)Doris, Ellen

Photographs by Len Rubenstein.

**Marine Biology**

Thames & Hudson, 1993, 64 p.

(Produced in association with The Children's School of Science, Woods Hole. Projects, field trips, how to study the plants and animals.)

Fincham, A. A.

**Basic Marine Biology**

Cambridge University Press for the British Museum of Natural History, 1983, 160 p.

(180 line and black and white illustrations.)

Gage, J.D. and P.A. Tyler

**Deep-Sea Biology: A Natural  
History of Organisms at the  
Deep-Sea Floor**

Cambridge University Press, 1991, 504 p.

Halstead, Bruce W., M.D.

**Dangerous Marine Animals: That  
Bite, Sting, Shock, are Non-edible**  
Second edition.

Cornell Maritime, 1980, 220 p.

Hillson, C. J.

**Seaweeds: A Color-Coded  
Illustrated Guide to Common  
Marine Plants of the East Coast  
of the United States**

(Keystone Books)

Pennsylvania State University Press, 1982, 194 p.

(y)Gilbreath, Alice

**The Great Barrier Reef:  
A Treasure in the Sea**

(Ocean World Library Series)

Dillon, 1986, 104 p.

Horsman, Paul V.

**Seawatch: The Seafarer's Guide  
to Marine Life**

Facts on File, 1985, 256 p.



Irby, Bobby N, Malcolm K.  
 McEwen, Sheila  
 A. Brown and Elizabeth M. Meek  
**Man and the Gulf**  
 Gulf Research Laboratory Series  
 University Press of Mississippi,  
 1984.  
*Volume 1:* Marine and Estuarine  
 Ecology  
*Volume 2:* Marine Habitats  
*Volume 3:* Diversity of Marine  
 Animals  
*Volume 4:* Diversity of Marine  
 Plants  
 (Textbooks/workbooks for  
 secondary schools, focusing on the  
 Gulf of Mexico.)

(y)Jaspersohn, William  
**A Day in the Life of a  
 Marine Biologist**  
 Little, Brown, 1982, 96 p.

Jumars, Peter A.  
**Concepts in Biological  
 Oceanography: An  
 Interdisciplinary Primer**  
 Oxford University Press, 1993,  
 348 p.

Lalli, Carol M. and  
 Timothy R. Parson  
**Biological Oceanography:  
 An Introduction**  
 Pergamon Press, 1993, 301 p.

Levine, Joseph S.  
**Undersea Life: A Marine  
 Biologist Explores the Fragile  
 Universe of the Oceans**  
 Stewart, Tabori & Chang, 1985,  
 222 p.

Lippson, Alice Jane  
**Life in the Chesapeake Bay**  
 Johns Hopkins, 1985, 229 p.  
 (Guide to marine life from Cape  
 Cod to Cape Hatteras.)

Littler, Diane Scullion  
**Marine Plants of the Caribbean**  
 Airline, 1989, 263 p.

Maienschein, Jane  
**One Hundred Years Exploring  
 Life, 1888-1988, The Marine  
 Biological Laboratory at  
 Woods Hole**  
 Jones & Bartlett, 1989, 208 p.

(y)Mattson, Robert A.  
**The Living Ocean**  
 (Living World Series)  
 Enslow, 1991, 64 p.  
 (Interactions of marine organisms  
 with the environment, each other  
 and humans.)

Newell, G. E.  
**Marine Plankton:  
 A Practical Guide**  
 Fifth edition.  
 Hutchinson of London, 1979,  
 206 p.

(y)Niesen, Thomas  
**The Marine Biology  
 Coloring Book**  
 Harper Collins, 1982, 224 p.  
 (Beginners Book of marine  
 biology.)

Nybakken, James W.  
**Marine Biology: An  
 Ecologist's Approach**  
 Harper Collins, 1992, 446 p.

Parson, T. R., K. Takahashi and B. Hargrave

**Biological Oceanographic Processes**

Third edition.

Pergamon, 1984, 220 p.

(y) Rinard, Judy and Catherine O'Neill

**Amazing Animals of the Sea**

(Books for World Explorers.)

National Geographic Society, 1981, 104 p.

Sammon, Rick

**The Seven Underwater Wonders of the World**

Thomasson-Grant, 1992, 180 p.

(Belize Barrier Reef, Lake Baikal, Red Sea, Galapagos Islands, Australia's Great Barrier Reef, deep-ocean vents and atolls of Palau.)

(y) Sibbald, Jean H.

**Homes in the Sea: From the Shore to the Deep**

(Ocean World Library Series)

Dillson, 1986, 96 p.

Snyderman, Marty

M. Tundi Agardy, consultant

**Life in the Sea**

Publications International, 1994, 240 p.

Sterrer, Wolfgang, ed.

**Marine Fauna and Flora of Bermuda: A Systematic Guide to the Identification of Marine Organisms**

Wiley Press, 1985, 742 p.

(63 contributors. Useful for the tropical West Atlantic and the Caribbean.)

(y) Tayntor, Elizabeth, Paul Erikson and Les Kaufman

**Dive to the Coral Reefs**

Crown, 1986, 36 p.

(y) Waters, John F.

**Deep-Sea Vents: Living worlds without Sun**

Cobblehill Books, 1993, 48 p.

(Describes the discovery and investigation of the hot water vents in the ocean floor and the life forms found there.)

(y) Whitfield, Philip

**Can the Whales Be Saved? Questions About the Natural World and the Threats to Survival Answered by the Natural History Museum**

Viking Kestrel, 1989, 96 p.

(Brief answers to 119 questions, not all marine. "Can the sea be farmed," "What is plankton," etc.)

*Magazine Articles and Journal Issues*

**Biological oceanography**

*Oceanus*, vol. 25, Fall, 1992.

(Whole issue serves as an introduction to this subject.)

Clark, Eugenie

Photographs by David Doubilet.

**Hidden life of an undersea desert**

*National Geographic*, pp. 128-144, July, 1983.

Earle, Sylvia A.

**Sharks, squids, and horseshoe crabs—the significance of marine biodiversity**

*Bioscience*, vol. 41, pp. 506-509, July/August, 1991.

**The great barrier reef: science and management**

*Oceanus*, vol. 29(2), Summer, 1986. (American-Australian Bicentennial Issue.)

(y)Kunzig, Robert

**Invisible garden (ecology of oceans' phytoplankton)**

*Discover*, pp. 66-70+, April, 1990.

(y & a)Lutz, Richard A.

**The biology of deep-sea vents and seeps: ALVIN's magical mystery tour**

*Oceanus*, vol. 34, pp. 75-83, Winter, 1991/92.

(y & a)MacDonald, Ian R.

**Unearthing a parallel life: how ocean explorers found a new kind of animal**

*SeaFrontiers*, vol. 36, pp. 25+, December, 1990.

(y)Propp, Michael and Vitaly G. Tarsov

**Cauldron in the sea (at a remote Russian atoll in the North Pacific, life forms of hot vents and cold seas co-exist)**

*Natural History*, pp. 28-33, August, 1989.

(y & a)Shanks, Judith A.

**A Cayman Island field trip underwater with the renowned "shark lady"**

*SeaFrontiers*, vol. 39(6), pp. 40-41, November/December, 1993.  
(Marine biologist Eugenie Clark.)

Sisson, Robert F.

**Tide pools: windows between land and sea**

*National Geographic*, pp. 252-259, February, 1986.

Van Dover, Cindy Lee

**Depths of ignorance**

*Discover*, vol. 14, pp. 37-39, September, 1993.

(Deep-sea exploration challenges notion of azoic zone.)

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**BIRDS**

---

Alexander, Wilfrid B.

**Birds of the Ocean: Containing Descriptions of All the Seabirds of the World, with Notes on their Habits and Guides to their Identification**

Putnam, 1963 (c.1954), 306 p.

Bildstein, Keith L.

**White Ibis: Wetlands Wanderer**  
Smithsonian Institution Press, 1993, 272 p.

(Ecology and breeding biology of this bird in the coastal marshes of South Carolina.)

(y & a)Brown, Joseph E.

Photographs by Dan Guravich.

**The Return of the Brown Pelican**  
Louisiana State University Press, 1983, 118 p. (Endangered species.)

(y)Friedman, Judy  
**Puffins, Come Back!**  
Dodd, 1981, 80 p.  
(Research project of Audubon Society to re-establish colonies of this endangered species in the U.S.)

Haley, Delphine, ed.  
**Seabirds of Eastern North Pacific and Arctic Waters**  
Pacific Search Press, 1984, 220 p.

Hancock, James  
**Birds of the Wetlands**  
Facts on File, 1985, 160 p.

(y & a)Harrison, Peter  
Foreword by Roger Tory Peterson.  
**Seabirds: An Identification Guide**  
Houghton Mifflin, 1991, 448 p.  
(Sponsored by the American Birding Association.)

Johnsgard, Paul A.  
**Cormorants, Darters and Pelicans of the World**  
Smithsonian Institution Press, 1993, 445 p.  
(Comprehensive information. Illustrated with drawings, maps, identification aids.)

(y)Johnson, Sylvia A.  
Photographs by Frans Lanting.  
**Albatrosses of Midway Island**  
(Nature Watch Book) Carolrhoda (Minneapolis, MN), 1990, 47 p.  
(Life cycle and behavior of Laysan albatrosses of the North Pacific Ocean.)

(y & a)Lockley, Ronald  
Photographs by Eric Hosking.  
**Seabirds of the World**  
Facts on File, 1983, 159 p.  
(Emphasis on photographs, life history, behavior.)

Love, John A.  
**The Return of the Sea Eagle**  
Cambridge University Press, 1984, 227 p.

(y)Matthews, Downs  
Photographs by Dan Guravich.  
**Skimmers**  
Simon and Schuster, 1990, 30 p.  
(Biology, feeding and nesting behavior of the most abundant coastal bird.)

(y)O'Connor, Karen  
**The Herring Gull**  
(Remarkable Animals Book)  
Dillon Press, 1992, 60 p.  
(Describes physical characteristics, life cycle and migration patterns.)

(y)Patent, Dorothy H.  
Photographs by Graham Robertson.  
**Looking at Penguins**  
Holiday House, 1993, 40 p.  
(Description of the different types, their habitats and behavior.)

Richards, Alan J.  
**Shorebirds: A Complete Guide to Their Behavior and Migration**  
Gallery Books, 1988, 224 p.

(y)Soper, Tony  
Illustrated by Michael Loates.  
**Oceans of Birds**  
Sterling (NY), 1989, 208 p.  
(Sea birds of the major seas and oceans.)

(y)Todd, Frank S.

**The Sea World Book of Penguins**  
(Sea World Series) Harcourt, 1984,  
96 p. (17 species.)

### *Magazine Issues*

#### **Seabirds and shorebirds**

*Oceanus*, vol. 26(1), Spring, 1983.

## **FISH**

---

Audubon Society

**Audubon Society Field Guide to  
North American Fishes, Whales,  
and Dolphins**

Knopf, 1983, 848 p.

Böhlke, James E. and Charles C. G.  
Chaplin

Illustrated by Steven Gigliotti and  
Fritz Janschka.

**Fishes of the Bahamas &  
Adjacent Tropical Waters**

Second edition.

University of Texas Press, 1993,  
771 p.

Eschmeyer, William N., Earl S.  
Herald and Howard Hammann  
**A Field Guide to Pacific Coast  
Fishes of North America from  
the Gulf of Alaska to Baja  
California**

(Peterson Field Guide Series)

Houghton Mifflin, 1983, 396 p.

Hoese, H. Dickson, R.H. Moore  
and W.L. Moody, Jr.

Illustrated by Dinah Bowman.

**Fishes of the Gulf of Mexico:  
Texas, Louisiana & Adjacent  
Waters**

Texas A & M University Press,  
1977, 346 p.

Lythgoe, John and Gillian Lythgoe

**Fishes of the Sea: The North  
Atlantic and Mediterranean**

MIT Press, 1992, 256 p.

Manooch, Charles S., III

Illustrated by Duane Raver, Jr.

**Fisherman's Guide to Fishes of  
the Southeastern United States**

North Carolina State Museum of  
Natural History, (Raleigh, N.C.),  
1984, 362 p.

Migdalski, Edward C. and

George S. Fichter

Illustrated by Norman Weaver.

**The Fresh & Salt Water Fishes  
of the World**

Greenwich House, 1989 316 p.

Distributed by Crown. (Reprint of  
1976 edition.)

Moyle, Peter B.

Illustrated by Chris Mari van Dyck.

**Fish: An Enthusiast's Guide**

University of California Press,  
1993, 272 p.

(Biology, ecology of freshwater and  
marine fishes. Section on  
conservation. Very readable style.)

Nelson, Joseph S.

**Fishes of the World**

Third edition.

John Wiley & Sons, 1994, 523 p.

Paxton, John R. and William N. Eschmeyer, eds.  
Illustrations by David Kirshner  
**Encyclopedia of Fishes**  
Academic Press, 1995, 240 p.

Quinn, John R.  
Illustrations by the author.  
Photographs by Luci Quinn.  
**Our Native Fishes: The Aquarium Hobbyists' Guide to Observing, Collecting and Keeping Them**  
Countryman Press, 1990, 242 p.

Randall, John E.  
**Caribbean Reef Fishes**  
Revised edition.  
TFH Publications, 1983, 350 p.

Randall, John E., G.R. Allen and R.C. Steene  
**Fishes of the Great Barrier Reef and Coral Sea**  
University of Hawaii Press, 1991, 564 p.

Robins, C. Richard and G. Carleton Ray  
Illustrated by John Douglas and Rudolf Freund  
**A Field Guide to Atlantic Coast Fishes of America**  
(Peterson Field Guide Series)  
Houghton Mifflin, 1986, 354 p.

Robins, C.R.  
**Common Scientific Names of Fishes from the United States & Canada**  
Fifth edition.  
(Special Publication No. 20.)  
American Fisheries Society, 1991, 183 p.

Sale, Peter F., ed.  
**The Ecology of Fishes on Coral Reefs**  
Academic, 1991, 754 p.

Thresher, R. E.  
**Reproduction in Reef Fishes**  
TFH Publications, Inc., Ltd., 1984, 399 p.

(y)Armour, Richard  
**Strange Monsters of the Sea**  
McGraw-Hill, 1979, 40 p.  
(Rhymes describing diet, habitat, and prey for 14 fish and invertebrates; includes venomous reef fish, barracuda.)

(y)Brown, Anne Ensign  
**Wonders of the Sea Horses**  
Dodd, Mead, 1979, 64 p.  
(Description, behavior, life cycle. How to keep as pets.)

(y)Casey, Horton  
**Fish**  
(Insight Series)  
Gloucester Press, 1983, 37 p.  
(Description, behavior, natural environment of a variety of salt and freshwater fish.)

(y)Grant, Leonard  
**Wondrous World of Fishes**  
National Geographic Society, 1969, 383 p.  
(Fishes of North America.)

(y)New England Aquarium  
**Do Fishes Get Thirsty?**  
Watts for New England Aquarium, 1991, 40 p.  
(Questions and answers. Photographs, diagrams, glossary, bibliography.)

(y)Ricciuti, Edward R.  
Illustrated by William Simpson.  
**Fish**

(Our Living World Series)  
Blackbirch Press, 1993, 63 p.  
(Biology, evolution and  
classification of fishes.)

(y)Segaloff, Nat and Paul Erickson  
Illustrated by Bob Barner.

**Fish Tales**

Sterling (NY), 1990, 32 p.  
(Produced by the New England  
Aquarium. Mating behavior,  
protective devices and feeding  
methods.)

(y)Wheeler, Alwyne  
**Discovering Saltwater Fish**  
(Discovering Nature Book)  
Bookwright, 1988, 47 p.  
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Castro, Josi I.  
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Author is Field Associate,  
American Museum of Natural  
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Gruber, Samuel H.

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**Physical oceanography**

*Oceanus*, vol. 35(2), Summer, 1992.

(Ocean circulation, Gulf Stream, overflows, mixed layer, El Niño, climate prediction and major research programs.)

**RESOURCES AND FUTURE  
USES OF THE OCEANS**

(y)Avery, Rob

Illustrated by Paul Dodds.

**Complete Book of  
Seafood Fishing**

Van Nostrand Reinhold, 1982, 162 p.

(y)Bramwell, Martyn

**Oceanography**

(Science Frontiers Series)

Hampstead Press, 1990, 45 p.

(The ways in which people are using the resources of the ocean. Emphasizes technological means of future uses of the ocean.)

Brewer, Peter, ed.

**Oceanography: The Present  
and Future**

Springer-Verlag, 1983, 392 p.

(From the proceedings of *Will We Use the Oceans Wisely—The Next Fifty Years in Oceanography*, a 1980 symposium held in Woods Hole, MA, on the occasion of the 50th anniversary of the Woods Hole Oceanographic Institution.)

Charlier, R.H. and J.R. Justus  
**Ocean Energies: Resources for  
the Future**

(Oceanography series.)

Elsevier, 1992, 534 p.

Culliney, John L.

**The Forests of the Sea: Life and  
Death on the Continental Shelf**

Sierra Club Books, 1977, 300 p.

Cuyvers, L.

**Ocean Uses & Their Regulation**

Wiley, 1984, 179 p.

(The oceans—physical, geological, chemical and biological descriptions. Food, minerals and energy from the sea. Waste disposal in the sea. Law of the sea.)

Finn, Daniel P.

**Managing the Ocean Resources  
of the United States: The Role of  
the Federal Marine Sanctuaries  
Program**

Springer-Verlag, 1982, 192 p.

(Lecture Notes in Coastal and Estuarine Studies 2.)

Hanson, Thorvald Buch, Odd Jan Lange, Hakon Lavik and Willy Hakon Olson

**Offshore Adventure: A Pictorial  
History of the Norwegian  
Petroleum Industry**

Universitetsforlaget, 1983, 160 p.

Mangone, Gerard J., ed.

**The Future of Gas and  
Oil from the Sea**

Van Nostrand Reinhold, 1983, 215 p.

Marx, Wesley  
**The Oceans: Our Last Resource**  
Sierra Club Books, 1981, 352 p.

McHugh, J. L.  
**Fishery Management: Lecture Notes on Coastal and Estuarine Studies**  
Springer-Verlag, 1984, 207 p.

(y)Polking, Kirk  
**Oceans of the World: Our Essential Resource**  
Putnam, 1983, 136 p.  
(Global Perspective Series.)

(y)Poynter, Margaret and Donald Collins  
**Under the High Seas: New Frontiers in Oceanography**  
Atheneum, 1983, 166 p.  
(History. Future uses and marine law.)

Ross, David  
**Opportunities and Uses of the Oceans**  
Springer-Verlag, 1979, 320 p.

Shusterich, K. M.  
**Resource Management and the Oceans: The Political Economy of Deep Seabed Mining**  
Westview Press, 1982, 344 p.

Simon, Anne W.  
**Neptune's Revenge: The Ocean of Tomorrow**  
Watts, 1984, 222 p.

Weber, Michael and Judith Gradwohl  
**The Wealth of Oceans**  
W.W. Norton & Co., 1995.

Westermeyer, William E.  
**The Politics of Mineral Resource Development in Antarctica: Alternative Regimes for the Future**  
Westview Press, 1984, 267 p.

*Magazine Articles  
and Issues*

(y & a)Rona, Peter A.  
**Metal factories of the deep sea**  
*Natural History*, vol. 97, pp. 52-57,  
January, 1988.

(y & a)**Deep ocean mining**  
*Oceanus*, vol. 25(3), Fall, 1982.

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**SEASHORE**

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Allen, Thomas B., Bob Devine, and Donald Dale Jackson  
**Treasures of the Tide: The Book for Beachcombers**  
National Wildlife Federation,  
1990, 175 p.

(y)Amos, William H.  
**Exploring the Seashore**  
(Book for Young Explorers)  
National Geographic Society, 1984,  
32 p.

Audubon Society  
**The Audubon Society Field Guide to North American Seashore Creatures**  
Knopf, 1981, 813 p.

Brown, A.C. and A. McLachlan  
**Ecology of Sandy Shores**  
Elsevier, 1990, 328 p.



(y & a)Coulombe, Deborah A.  
**The Seaside Naturalist: A Guide to Nature Study at the Seashore**  
Prentice-Hall, 1984, 246 p.

Carson, Rachel  
Illustrated by Bob Hines  
**The Edge of the Sea**  
Houghton Mifflin, Boston,  
reprinted in 1983, 276 p.

Daiber, Franklin C.  
**Animals of the Tidal Marsh**  
Van Nostrand Reinhold, 1982,  
422 p.

Fox, William T.  
**At the Sea's Edge: An Introduction to Coastal Oceanography for the Amateur Naturalist**  
Prentice-Hall, 1983, 317 p.

Gates, David Alan  
Illustrated by Edward and Marcia Norman.  
**Seasons of the Salt Marsh**  
Chatham Press, 1975, 128 p.

Gosner, Kenneth  
**A Field Guide to the Atlantic Seashore: Invertebrates and Seaweeds of the Atlantic Coast from the Bay of Fundy to Cape Hatteras**  
(Peterson Field Guide Series)  
Houghton Mifflin, 1982, 416 p.

Hay, John and Peter Farb  
**Atlantic Shore: Human and Natural History from Long Island to Labrador**  
Harper & Row, 1966 (reprinted 1982), 246 p.  
(Salt marshes, tidal grounds, shore birds, etc.)

Hoel, Michael L.  
**Land's Edge: A Natural History and Field Guide to Barrier Beaches from Maine to North Carolina**  
Little Book Publishing Co.  
(Newbury, MA), 1986, 141 p.

(y)Kohn, Bernice  
Illustrated by Arabelle Wheatley.  
**Beachcomber's Book**  
Puffin Books, 1982, (c.1970), 96 p.  
(Seashore biology, projects.)

Moore, P. G. and R. Seed, eds.  
**The Ecology of Rocky Coasts: Essays Presented to J.R. Lewis**  
Columbia University Press, 1985, 467 p. (Each chapter written by different authors. Extensive bibliography.)

(y)The National Audubon Society  
**The Audubon Society Field Guide to North American Seashore Creatures**  
Alfred A. Knopf, Inc., 1981, 799 p.

National Geographic Society  
**The World's Wild Shores**  
National Geographic Society, 1990, 199 p. (Special Publication.)

(y)Parker, Steve

**Seashore**

(Eyewitness Book)

Knopf, 1989, 64 p.

(Cold water plants, animals and shores are emphasized.)

Pilkey, Orrin H., Jr. and

William J. Neal, eds.

**Living with the Shore Series**

Sponsored by the National  
Audubon Society, Duke University  
Press, 1983-1989.

(Shoreline dynamics, effects of  
shoreline development, coastal land  
use planning and regulation.

Detailed site analyses.)

Titles in this series:

**The Beaches are Moving: The  
Drowning of America's Shoreline**

Wallace Kaufman, *et al.*

**From Currituck to Calabash: Living  
with North Carolina's Barrier  
Islands**

Second edition.

Orrin H. Pilkey *et al.*

**Living with the South Carolina Shore**

William J. Neal *et al.*

**Living with the West Florida Shore**

Larry J. Doyle *et al.*

**Living with the Alabama-Mississippi  
Shore**

Wayne F. Canis *et al.*

**Living with the Louisiana Shore**

Joseph T. Kelley *et al.*

**Living with the Texas Shore**

Robert A. Morton *et al.*

**Living with Long Island's  
South Shore**

Larry McCormick *et al.*

**Living with the New Jersey Shore**

Karl Nordstrom *et al.*

**Living with the Shore of Puget Sound  
and the Georgia Strait**

Thomas A. Terich

**Living with the Chesapeake Bay and  
Virginia's Ocean Shores**

Larry G. Ward *et al.*

**Living with the Coast of Maine**

Joseph T. Kelley *et al.*

(y)Pope, Joyce

**The Seashore**

(Action Science Series)

Watts, 1985, 32 p.

(Plants and animals of the  
seashore.)

Reiger, George

**Wanderer on My Native Shore: A  
Personal Guide and Tribute to  
the Ecology of the Atlantic Coast**

Simon & Schuster, 1983, 275 p.

(Natural history and coastal  
ecology of the Atlantic coast from  
the Canadian border to Key West.)

Siry, Joseph V.

**Marshes of the Ocean Shore:  
Development of an  
Ecological Ethic**

Texas A & M University Press,  
1984, 216 p.

Teal, John and Mildred Teal

**Life and Death of the Salt Marsh**

Ballantine Books, 1983, 288 p.

(Ecology Main Event series.)

(Reprint edition from 1969.)

Teal, Mildred and John Teal

Illustrated by Richard Rice.

**Portrait of an Island**

University of Georgia Press. 1981,  
175 p. (Reprint of 1964 edition.)

(Sapelo Island, Georgia.)

(y & a) Trefil, James

**A Scientist at the Seashore**

Scribners, 1984, 208 p.

(Explanations of tides, waves,  
beach formation, salt in the sea, etc.)

(y & a) Waters, Barbara S.

Illustrated by Carole Eldredge.

**Field Guides for Eastern Shore  
Marine Environments**

(This set of five field guides  
includes: Salt Ponds, Tidal Flats,  
Rocky Shores and Wooden  
Structures, Sandy Shore and Dunes,  
and Salt Marsh. The oversized  
guides (11" x 17") describe, on one  
side, the characteristics of each  
environment and, on the other side,  
illustrate a cross-section of each  
environment and the plants and  
animals that inhabit it, labeled with  
common and scientific names. We  
suggest laminating them for years  
of use in the classroom or in the  
field. Reprinted 1992, 2 p. each,  
WHOI Sea Grant Publication  
#WHOI-H-78-001; \$1 per set of 5.  
Available from WHOI Sea Grant  
Program, CRL 209, Woods Hole,  
MA 02543.)

(y) Wolf, Edward C.

**A Tidewater Place: Portrait of  
the Willapa Ecosystem**

Willapa Alliance, 1993, 48 p.

(Willapa Bay ecosystem is located  
in SW Washington State and  
supports oysters, dungeness crabs,  
Pacific salmon, clams, conifers and  
cranberries.)

Zinn, Donald

**Handbook for Beach Strollers:  
From Maine to Cape Hatteras**

Globe Pequot, 1975, 128 p.

*Magazine Articles  
and Issues*

**Coastal science & policy I**

*Oceanus*, vol. 36(1), Spring, 1993.

(Coastal zone science and policy  
issues. Includes several articles  
related to Boston Harbor outfall  
pipe project.)

**Coastal science & policy II**

*Oceanus*, vol. 36(2), Summer,  
1993.

(Estuaries, rivers, runoff, status of  
U.S. fisheries, pollution, etc.)

---

**SHIPS  
AND SUBMERSIBLES**

---

(y) Fenner, Sal

**Sea Machines**

Raintree, 1980, 31 p.

(Working surface vessels.)

Hsu, Kenneth J.

**CHALLENGER at Sea—**

**A Ship that Revolutionized  
Earth Science**

Princeton University Press, 1992,  
417 p. (GLOMAR CHALLENGER and  
the Deep Sea Drilling Project.)

(y)Johnson, Rebecca L.  
**Diving into Darkness: A  
Submersible Explores the Sea**  
(Discovery! Series)  
Lerner, 1989, 64 p.

Kaharl, Victoria A.  
**Water Baby: The Story of ALVIN**  
Oxford University, 1990, 356 p.  
("The world's first deep-diving  
submarine: its close calls, maverick  
crew, and 25 years of remarkable  
discoveries.")

(y)Kovacs, Deborah  
**A Day Underwater**  
Scholastic, 1987, 32 p.  
(Underwater exploration.)

(y)Miller, James W. and Jan G.  
Koblick  
**Living and Working in the Sea**  
Van Nostrand Reinhold Co., 1984,  
432 p.

(y)Weiss, Harvey  
**Submarines and other  
Underwater Craft**  
Crowell, 1990, 64 p.  
(Includes DSV ALVIN, JASON Jr.  
History of submarines and the  
future.)

(y)Williams, Brian  
**Under the Sea**  
(All-About Book)  
Random House, 1989, 24 p.  
(Divers, submersibles, undersea  
laboratories.)

---

*Magazine Articles  
and Issues*

(y & a)Kunzig, Robert  
**Between home and the abyss**  
*Discover*, vol. 14, pp. 66-75,  
December, 1993.  
(Submersible ALVIN and its mother  
ship R/V ATLANTIS II.)

(y & a)Pittenger, Richard F. and  
Robertson P. Dinsmore  
**Oceanographic research vessels:  
then, now & in the future**  
*Oceanus*, vol. 36(2), pp. 80-83.  
Summer, 1993.

(y & a)Van Dover, Cynthia  
**Dive 2000**  
*SeaFrontiers*, vol. 34, pp. 326-331,  
November/December, 1988.  
(DSV ALVIN.)

(y & a)DSV ALVIN:  
**25 years of discovery**  
*Oceanus*, vol. 31(4), Winter,  
1988/89.

(y & a)**The quest to find the  
Bismarck—1988/89.**  
*Oceanus*, vol. 32(3), pp. 26-33,  
Fall, 1989.  
(Underwater vehicle ARGO.)

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**UNDERWATER  
EXPLORATION**

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Ballard, Robert D.  
**The Discovery of the BISMARCK:  
Germany's Greatest Battleship  
Surrenders Her Secrets**  
Warner Books, 1990, 231 p.

Ballard, Robert D. and  
Rick Archbold  
**The Discovery of the TITANIC**  
Warner/Madison Press, 1987,  
230 p.

Marx, Robert F.  
**Shipwrecks of the Americas**  
Bonanza Books (Distributed by  
Crown Publishers, Inc.), 1983,  
482 p. (Reprint of 1975 edition. A  
guide to the major shipwrecks in  
the Western Hemisphere, written by  
specialist.)

Teather, Robert G.  
**Encyclopedia of Underwater  
Investigations**  
Best Publishing Co., 1993, 192 p.

*Magazine Articles  
and Issues*

Clark, Eugenie  
**Down the Cayman wall**  
*National Geographic*, pp. 712-731,  
November, 1988.  
(Included: Zones of life.)

Ballard, Robert  
**Epilogue for TITANIC**  
*National Geographic*, pp. 454-463,  
October, 1987.

Ballard, Robert  
**A long last look at TITANIC**  
*National Geographic*, December,  
1986, 30 p.

**DSV ALVIN: 25 years of discovery**  
*Oceanus*, 31(4), Winter, 1988/89.

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**CAREERS IN  
MARINE SCIENCE**

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**American Black Scientists  
and Inventors**

National Science Teachers  
Association, 1975, 79 p.  
(Includes bibliographies.)

(y)**Careers in Oceanography**  
American Geophysical Union,  
1986, 28 p.

**Careers in Oceanography and  
Marine-Related Fields**

The Oceanography Society, 1995,  
28 p. Single copies available from:  
The Oceanography Society  
4052 Timber Ridge Drive  
Virginia Beach, VA 23455  
804/464-0131

(y)Lang, Denise V.  
**Footsteps in the Ocean:  
Careers in Diving**  
Loadestar Books, E.P. Dutton,  
1987, 143 p.

(y)Heitzmann, William Ray  
**Opportunities in Marine  
and Maritime Careers**  
VGM Career Horizons, 1979,  
144 p.

(y)**University Curricula  
in Oceanography and  
Related Fields**  
Marine Technology Society,  
updated every 2-3 years.

Warren, Rebecca Lowe and  
Mary H. Thompson  
**The Scientist Within You:  
Experiments and Biographies of  
Distinguished Women in Science**  
ACI Publishers, 1994, 185 p.  
(Instructor's guide.)

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## (Y)GREENHOUSE EFFECT

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(y)Hare, Tony  
**The Greenhouse Effect**  
Watts (NY), 1990, 32 p. (Save Our Earth Series) (Possible causes and evidence for rising temperatures. Glossary, index.)

(y)Johnson, Rebecca L.  
**The Greenhouse Effect: Life on a Warmer Planet**  
(Discovery! Series)  
Lerner (Minneapolis, MN), 1990, 112 p. (Explains the greenhouse effect and its impact on human, animal and plant life. Includes suggestions for simple experiments to demonstrate the concept.)

### *Magazine Articles and Issues*

(y & a)Rosendahl, Bruce R.  
**Pumping up the ocean**  
*SeaFrontiers*, vol. 6, p. 3,  
September/October, 1990.

(y & a)Washington, Warren M.  
**Where's the heat?**  
*Natural History*, pp. 66-68,  
March, 1990.

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## (Y)POLLUTION

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(y)Carr, Terry  
**Spill! The Story of the EXXON VALDEZ**  
Franklin Watts, 1991, 64 p.  
(Describes the Alaskan oil spill and the efforts to clean up afterwards.)

(y)Fine, John C.  
**Oceans in Peril**  
(Atheneum Child Book)  
Macmillan, 1987, 128 p.

(y)Goldberg, Jake  
Illustrated by Michael Garland.  
**Rachel Carson**  
(Junior World Biographies)  
Chelsea House, 1991, 70 p.  
(Biography of the scientist/writer who alerted the public to environmental problems.)

(y)Marx, Wesley  
**The Oceans: Our Last Resource**  
Sierra Club Books, 1981, 352 p.

(y)Smith, Roland  
**Sea Otter Rescue: The Aftermath of an Oil Spill**  
(Dutton Childrens' Books)  
Cobblehill, 1990, 64 p.  
(Photographs by the author. Account of the efforts to rescue sea otters after the EXXON VALDEZ oil spill. Glossary, index.)

### *Magazine Articles and Issues*

(y & a)Coombe, Tucker  
**Don't forget the basics**  
*SeaFrontiers*, vol. 39, p. 36,  
July/August, 1993.  
(Marine pollution from the home.)

(y & a)Cox, Vic  
**The ocean's canaries: marine mammal die-offs may signal too-polluted seas**  
*SeaFrontiers*, vol. 39, pp. 16-18,  
January/February, 1993.

(y)Norris, Ruth

**A tide of plastic**

*Audubon*, vol. 88. pp. 18+,  
September, 1986.

(y)**Acid rain imperils life in  
Atlantic coastal waters**

*National Wildlife*, vol. 26, pp. 25,  
August/September, 1988.

(y)**Beaches awash in plastic**

*Science News*, vol. 144, pp. 235,  
October 9, 1993.

(y & a)**The Boston  
Harbor Project**

*Oceanus*, vol. 36, pp. 50-51,  
Spring, 1993.

(y & a)**Ocean disposal  
reconsidered**

*Oceanus*, vol. 33(2), Summer, 1990.

(y & a)**Plastic in the North  
Atlantic**

*Oceanus*, vol. 30(3), pp. 61-68,  
Fall, 1987.

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(Y)**SCIENCE PROJECTS**

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(y)**Global Issues  
Education School**

Global Tomorrow Coalition, 1990,  
119 p. (Activities and lesson plans  
for grades 3-12. Issues include  
ocean and coastal resources and the  
biosphere.)

(y)**How to Set Up and Maintain a  
Saltwater Aquarium**

Marine Information Service. Sea  
Grant College Program. Texas  
A & M University, College Station,  
Texas, 1981, 8 p.

(y)Allen, Wendy B. and

Patty O. McLaughlin

**Sea Sampler: Aquatic Activities  
for the Field and Classroom**

South Carolina Sea Grant  
Consortium (Charleston), 1985,  
118 p.

(y)Bonnet, Robert J. and

G. Daniel Keen

**Environmental Science: 49 more  
Science Fair Projects**

TAB, 1990, 124 p.

(y)Carr, Joseph J.

**The Art of Science: A Practical  
Guide to Experiments,  
Observations and Handling Data**  
High Text, 1992, 365 p.

(Review of scientific procedures  
and analysis techniques. Statistical  
methodology requires some  
understanding of mathematics.)

(y)Daab, Marcia

Illustrated by Rose Sheifer.

**Science Fair Workshop**

Fearon (Belmont, CA), 1990, 44 p.  
(A how-to guide. Choosing a topic,  
identifying independent and  
dependent variables, collecting  
data, drawing conclusions and  
preparing an exhibit.)

(y)Simon, Seymour

Illustrated by David A. Carter.

**How to be an Ocean Scientist  
in Your Own Home**

Lippincott, 1989, 136 p.  
(24 easy to understand experiments.  
Equipment and supplies are  
ordinary household items.)

(y)Smith, Norman F.  
**How Fast Do Your Oysters Grow:  
Investigate and Discover in Your  
Science Project**  
Messner, 1982, 128 p.

(y)Smith, Norman F.  
**How To Do Successful  
Science Projects**  
Revised edition.  
Julian Messner, 1990, 111 p.  
(How to identify a problem,  
develop a plan, carry out the plan,  
prepare results and draw  
conclusions.)

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## INFORMATION SOURCES

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(y & a)**Aquaculture  
Information Center**  
National Agricultural Library  
Room 304  
10301 Baltimore Blvd.  
Beltsville, MD 20705-2351  
Telephone: 301/504-5558  
TDD: 202/720-7808  
(Publication: Resource Guide to  
Aquaculture Information, 1994,  
157 p.)

(y)**Aquatopics: Aquaculture for  
Youth and Youth Educators**  
Aquaculture Information Center,  
National Agricultural Library,  
Beltsville, MD. 1990, 16 p.

(y & a)**Cape Cod Museum  
of Natural History**  
Route 6A  
Post Office Box 1710  
Brewster, MA 02631  
Telephone: 508/896-3867

**Center For Marine Conservation**  
1725 DeSales Street, NW  
Suite 500  
Washington, DC 20036  
Telephone: 202/429-5609  
(CMC has a selection of books,  
reports, newsletters, slide shows,  
posters.)

**Directory of Cape & Islands  
Coastal Outreach Organizations**  
WHOI Sea Grant Program  
CRL 209, Woods Hole, MA 02543  
(A directory of organizations from  
Cape Cod, Martha's Vineyard and  
Nantucket that share the Sea Grant  
objective of providing the public  
with information to aid in the  
preservation and wise utilization of  
our local coastal and marine  
resources. \$10. Updated annually,  
the 1995 edition will also include  
listings for Southeastern  
Massachusetts.)

**Directory of Information  
Resources in the United States:  
Geosciences & Oceanography**  
Library of Congress, 1981, 375 p.

**Education and Training**  
World Wildlife Fund  
The Conservation Foundation  
1255 Twenty-third St., N.W.  
Suite 200  
Washington, D.C. 20037  
Telephone: 202/293-4800  
(Coral Reef Teacher's Kit for  
middle grades.)



(y & a)**4-H Beachcomber Program**

Contact: Judith M. Vollmer

Eileen Sonnenberg

County Extension Agent in 4-H  
Club Work, Cape Cod Extension  
Service Deeds and Probate  
Building, Railroad Avenue  
Barnstable, MA 02630  
Telephone: 508/362-2511, x585

(y)**Global Tomorrow Coalition**

1325 G Street, N.W.

Suite 1010

Washington, DC 20005-3104

Telephone: 202/628-4016

Alibrandi, Marsha, *et al.*, eds.

**Groundwater Resource Guide**

1990, 8 p. (This groundwater guide contains information on the water cycle, the water budget, zones of aeration and saturation, hydrogeology, and groundwater pollution. Also included are classroom activities, a brief glossary, and useful references and resources for further information. WHOI Sea Grant publication #WHOI-H-90-002, free.

WHOI Sea Grant publication

#WHOI-H-90-002, free.

WHOI Sea Grant Program, CRL

209, Woods Hole, MA 02543.)

(y)Grady, Mary

**How to Find Marine Information in Public and School Libraries**

Rhode Island Sea Grant, University of Rhode Island Bay Campus, 1991, 8 p.

(y & a)Hall-Arber, Madeleine

Edited by Karen Hartley.

**Citizen's Guide to Sources for Marine and Coastal Information in Massachusetts**

Fifth edition.

Massachusetts Institute of Technology Sea Grant Program. 1990, 24 p. (Who to ask about a problem, a new business opportunity, research information sources, education facilities, or government regulations. For fishermen, business people, teachers, local planning groups, parents and homeowners.)

(y & a)Herriott, Joy A. and

Betty G. Hardin

**Summer Opportunities in Marine and Environmental Science: A Student's Guide to Jobs, Internships and Study, Camps and Travel Programs**

Second edition.

White Pond Press, 1994, 46 p.

**Graduate School of Oceanography, University of Rhode Island**

Bay Campus, South Ferry Road

Narragansett, RI 02882-1197.

(Quarterly magazine—free upon request.)

Contact: Jackleen

DeLaHarpe, Science Writer,

Telephone: 401/792-6499

(y)**Marine Education:**

**A Bibliography of Educational Materials Available from the Nation's Sea Grant Programs**

Sea Grant Office, Mail Stop #2,

Woods Hole Oceanographic

Institution, 1994, 52 p. (Includes

pamphlets, posters, films, videos,

maps, games and curriculum guides, many of which are free. Listings are alphabetical by states who have Sea Grant programs. Ordering instructions and prices listed.)

**(y & a)National Marine Educators Association**

P.O. Box 51215  
Pacific Grove, CA 93950  
Telephone: 408/648-4841

**(y & a)National Marine Fisheries Service Aquarium**

Woods Hole, MA 02543  
Telephone: 508/548-7684  
(Inquiries about educational programs, K-12.)

**National Marine Fisheries Service**

Information Services  
Woods Hole, MA 02543  
Telephone: 508/548-5123  
(Technical and general information.)

**(y)Ocean Explorer**

Woods Hole Oceanographic Institution Associates Office  
Woods Hole, MA 02543  
(A quarterly magazine included as a benefit of Young Associates membership.  
Telephone: 508/289-3313.)

**University Curricula in Oceanography and Related Fields**

Compiled by the Marine Technology Society, 1825 K Street, NW, Suite 203, Washington, DC 20006. 1988, 204 p.

**Woods Hole Oceanographic Institution Sea Grant Program**

Mail Stop #2, Woods Hole, MA 02543

Telephone: 508/457-2000, ext. 2398; FAX: 508/457-2172

(WHOI Sea Grant is one of 29 Sea Grant programs nationwide. For a listing of the Sea Grant program nearest you, contact the National Sea Grant College Program at 301/713-2431.)

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**MARINE SCIENCE  
INFORMATION ON THE  
INTERNET**

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From the Woods Hole scientific community, information on marine science, ecology, biomedicine, oceanography, and the resources of the combined collections of the Marine Biological Laboratory/ Woods Hole Oceanographic Institution Library:

**Marine Biological Laboratory:**

<http://www.mbl.edu>

**Woods Hole Oceanographic Institution**

<http://www.whoi.edu>

**MBL/WHOI Library**

<http://www.mbl.edu/html/LIBRARY/libweb.html>

From the **Scripps Institution of Oceanography** at the University of California at San Diego, information on ocean exploration, oceanography, marine research and education:

<http://siio.ucsd.edu>

From the **Alfred Wegener Institute**, German National Research Center for Polar and Marine Research including the "Hydrographic Atlas of the Southern Ocean":  
<http://www.awi-bremerhaven.de/>

From **Sea World**, an animal information database, and a portion of the Sea World Teacher's Guide:  
<http://www.bev.ent/education/SeaWorld/homepage.html>

From the **Earth and Environmental Sciences Center at the Pacific Northwest Laboratory**, information on the laboratory and resources related to hydrology:  
<http://terrassa.pnl.gov:2080/>  
The hydrology resources list is at:  
<http://terrassa.pnl.gov:2080/EESC/resource/rosc/rosc.html>

From the **International Centre for Antarctic Information and Research**, the Gateway to Antarctica:  
<http://icair.iac.org.nz>

From the **Illinois Natural History Survey, Center for Aquatic Ecology, Center for Biodiversity, Center for Economic Entomology and the Center for Wildlife Ecology**, survey reports, publications and weekly information on their education section:  
<http://www.inhs.uiuc.edu:70/>

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## DICTIONARIES

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Charton, Barbara, ed.  
**The Facts on File Dictionary of Marine Science**  
Facts on File, 1988, 325 p.

Lenfestey, Thompson  
**The Facts on File Dictionary of Nautical Terms**  
Facts on File, 1994, 541 p.

Tver, David F.  
**Ocean and Marine Dictionary**  
Cornell Maritime Press, 1979, 358 p. (Lexicon of marine and ocean subjects.)

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## ENCYCLOPEDIAS

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Banister, Keith and Andrew Campbell  
**The Encyclopedia of Aquatic Life**  
Facts on File, 1985, 349 p.

Elder, Danny and John Pernetta  
**Oceans**  
A Mitchell Beazley World Conservation Atlas.  
Mitchell Beazley, 1991, 200 p.  
(Published in association with IUCN: The World Conservation Union.) (Encyclopedia treatment. Contents: Turbulent Oceans; Living Seas; Environments for Life; Harvesting the Seas; Atlas; Challenge of Conservation.)

**Encyclopaedia Britannica (and its Yearbook)**

Groves, Donald G. and  
Lee M. Hunt  
**Ocean World Encyclopedia**  
(Oceanography, ecology,  
hurricanes, myths and legends,  
marine optics, etc.) Van Hoffmann,  
1980, 443 p.

Kemp, P. K.  
**Oxford Companion to  
Ships and the Sea**  
Oxford University Press, 1976,  
972 p.

**McGraw-Hill Encyclopedia of  
Science and Technology**  
Seventh edition.  
McGraw-Hill, 1992, 20 volumes

**Rand McNally Atlas  
of the Oceans**  
Introduction by William A.  
Nierenberg, Scripps Institution of  
Oceanography. Rand McNally,  
1977, 208 p.  
(Encyclopedic treatment. Contents:  
Ocean Realm; Man's Oceanic  
Quest; Life in the Oceans; The  
Great Resource; The Face of  
the Deep; Encyclopedia  
of Marine Life.)

**The Random House Atlas  
of the Oceans**  
Random House, 1991, 200 p.

Schwartz, Maurice L., ed.  
**The Encyclopedia of Beaches  
and Coastal Environments**  
Van Nostrand Reinhold  
(Encyclopedia of Earth Sciences  
Series), Volume 15, 1982, 960 p.

**Science Year: The World Book  
Annual Science Supplement**

Sterba, Gunther  
**The Aquarium Encyclopedia**  
MIT Press, 1983, 607 p.

**The Times Atlas and  
Encyclopaedia of the Sea**  
Second edition.  
Harper Collins, 1990, 272 p.

**World Book Encyclopedia**

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## FILMS & VIDEOS

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(y)**Animal Life in a Tidepool**  
12 minute videocassette.  
Aims Media, 1992.  
(Marine animals, tidepool ecology.)

**Clean Water, Clear Choices.  
The Challenge of Nonpoint  
Source Pollution**  
10 minutes.  
(Our nation's waters are under  
siege from a subtle, yet dangerous  
threat known as nonpoint source  
pollution. This video highlights  
results of successful projects aimed  
at solving this problem.)  
Contact:

Eugene Lamb  
Natl. Assoc. of  
Conservation Districts  
509 Capitol Court, N.E.  
Washington, DC 20002

(y)**Coastlines  
(Man and the Biosphere)**  
Films for the Humanities, 1990,  
28 minutes, color.  
(Shows a variety of habitats in  
coastal areas from tide pools and  
sandy shores to splash zones.  
Covers intertidal and subtidal  
plants and animals.)

**(y)Danger at the Beach**

Narrated by Ted Danson.

(National Audubon Society Special.) PBS Video, 1991, 58 minutes, color.

(Demonstrates problems and dangers to the U.S. bays, estuaries and beaches. Includes a teacher's guide.)

**(y)Ecology of the Coral Reef**

(Man and the Biosphere.)

Films for the Humanities, Inc. 1990, 28 minutes, color.

(Explains life on the reef, how coral reefs are formed, and how they are being destroyed.)

**(y)Gentle Giants of the Pacific**

Narrated by Richard Widmark.

(Sierra Club Series) Eastman Kodak, 1988, 60 minutes, color. (Songs of the humpback whale.)

**(y)The Great Whales**

Produced by the National Geographic Society and WQED, Pittsburgh.

Distributed by Vestron Video, Videocassette release of 1978 TV special, 59 minutes, color.

(Anatomy, communication and migration patterns.)

**Household Hazardous Waste: A Little Goes a Long Way**

1987, 20 minutes.

Contact:

Jerry Gillulard  
State of Washington  
Department of Ecology  
Mail Stop PV-11  
Olympia, WA 98504

**(y)Magnificent Monsters of the Deep**

Narrated by Orson Welles.

(Sierra Club Series) Eastman Kodak, 1988, 60 minutes, color.

(Dr. Roger Payne observes the southern right whale in the Bay of Valdez, South America.)

**Making New Waves:**

**Aquaculture in Maine**

University of Maine Sea Grant Marine Advisory Program, 30 minutes.

(Aquaculture has been growing rapidly in Maine during the last decade. Aquaculture industry members, environmental organizations, shorefront landowners, scientists, state regulators, town officials, and others express their views and concerns about this burgeoning industry.)

Contact:

Kathleen Lignell  
Maine Sea Grant Program  
30 Coburn Hall  
University of Maine  
Orono, ME 04469-0114  
207/581-1442

**Marine Careers**

18 minutes.

(Up-to-date information about job possibilities in, on, and around the waters. Suitable for use in school classrooms and libraries, guidance and career counseling offices, career exploration classes and fairs, youth organizations, or at home.)

Contact:

Tracey Bryant  
Sea Grant College Program  
University of Delaware  
Newark, DE 19716  
302/831-8083

Olson, Randy

**On the Surface**

Prairie Starfish Productions, 1993,  
40 minutes, color.

(Three women oceanographers  
describe their deep sea research.)

**Options for the Future: A Guide  
to Coastal Resource Management**

University of New Hampshire,  
1989, 26 minutes.

(Enumerates the ways coastal  
growth is taxing the environment.  
Interviews coastal specialists who  
describe methods needed to control  
coastal development such as  
wetland protection and control of  
public access to the coastland.)

Contact:

Steve Adams  
Sea Grant College Program  
Kingman Farm  
University of New Hampshire  
Durham, NH 03824-3512  
603/749-1565

**Padilla Bay**

Camera One

(Discover the surprising, secret life  
of the estuary.)

Contact:

Padilla Bay National Estuarine  
Research Reserve  
1043 Bayview - Edison Road  
Mt. Vernon, WA 98273  
202/428-1558

**The Power to Protect: Three  
Stories about Groundwater**

33 minutes.

(Takes a comprehensive look at  
how tainted water leaching into  
your watershed hundreds of miles  
away can affect your groundwater.

Effective management techniques  
are explored.)

Contact:

Melissa Paly  
JFK Building,  
Mail Code WQB  
One Congress Street  
Boston, MA 02203  
617/565-4863

**Promises to Keep**

1991, 16 minutes.

(Pollutants, water quality and  
quantity, toxic chemicals, remedial  
action plans and environmental  
policy.)

Contact:

International Joint  
Commission  
Great Lakes Regional Office  
100 Ouellette Ave., 8th Floor  
Windsor, ONT N9A 6T3  
Canada  
519/256-7821

**Saltwater Aquarium**

1991, 16 minutes.

(Tells how to provide a happy  
habitat for pet saltwater fish.  
Describes the challenges in setting  
up and maintaining a saltwater  
aquarium and gives guidelines for  
acquiring fish and vegetation to  
stock it.)

Contact:

Chris Sigurdson  
Sea Grant College Program  
Texas A & M University  
P.O. Box 1675  
Galveston, TX 77553-1675  
409/740-4468

**(y)Secrets of the TITANIC**

National Geographic Society,  
Distributed by Vestron Video, 1986,  
60 minutes, color and b/w.

(The story of the TITANIC with the  
first underwater photographs taken  
by Dr. Robert Ballard, using the  
prototype JASON, Jr. and the  
submersible ALVIN.)

**Troubled Waters: Plastic in the  
Marine Environment**

30 minutes.

(Describes the mounting problems  
associated with plastic waste,  
explores the international treaty  
MARPOL, and describes the  
mobilization of ordinary citizens,  
community and environmental  
organizations, government  
agencies, and the plastic industry  
itself, to control plastic in the  
marine environment.)

Contact:

EFP Services, Inc.  
27 Pine Grove  
Amherst, MA 01002  
413/256-0962

**Turning the Tide: Keeping  
Pollution at Bay**

32 minutes.

(Explores the pollution problems of  
Buzzards Bay, MA, and the work  
of individuals, as well as state,  
local, and federal governments, to  
protect and restore the water quality  
of the Bay.)

Contact:

Melissa Paly  
U.S. EPA  
JFK Building, Mail Code  
WQB  
One Congress Street  
Boston, MA 02203  
617/565-4863

**Vanishing Lands**

30 minutes.

(Explores Chesapeake Bay, an area  
rich in history and a thriving  
seafarming, recreational, and  
residential area, whose varied  
coastline makes it a microcosm of  
the worldwide effects of sea level  
rise. See how slowly rising sea  
levels have resulted in considerable  
land loss and the abandonment of  
many small islands in the Bay.  
Examines the environmental  
consequences and different  
responses to rising sea level.)

Contact:

Dr. Stephen P. Leatherman  
University of Maryland  
Foundation  
c/o Lab. for Coastal Research  
1113 LeFrak Hall, Univ. of  
Maryland  
College Park, MD 20742  
301/405-4074







MBL/WHOI Library  
Woods Hole, MA 02543

