



BIBLIOGRAPHY

MARINE SCIENCE: The World of Water

FOR SEA: Oceanography and Marine Biology - Grades Nine to Twelve

This partially annotated bibliography has been selected as an entree to the many resources available to further your study of the topics covered in *MARINE SCIENCE: The World of Water*. A few of the titles listed are out of print, but worthwhile enough for you to check for them in your school and public libraries.

PRINT RESOURCES

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OTHER RECOMMENDED MATERIALS

Print Materials

Bathymetric maps, write:

National Ocean Service
1315 East West Highway
Silver Spring, Maryland 20910

also the following *National Geographic Maps*:

“The World, Endangered Earth”, December 1988.

“World Ocean Floors: Exploring and Mapping the Sea Floor”, January 1990.

“World Ocean Floor”, December 1981.

Topographic maps and demonstration models, write:

U. S. Geological Survey
Education Office
345 Middlefield Road
Menlo Park, CA 94025
(415) 329-4006

***Mac’s Field Guides*:**

A series of plastic cards with color illustrations of animals to use for identification in the field. There are many guides for both terrestrial and aquatic habitats and for different regions of the west. Examples: Northwest Coastal Fishes, Northwest Coastal Invertebrates, Northwest Marine Birds, Whales and Dolphins... Mac’s Field Guide, The Mountaineers, 1011 S.W. Klickitat Way, Seattle, WA 98134; (206) 223-6303.

Environmental Science Activities Kit.

By Roa, Michael L. 1993. The Center for Applied Research in Education.
West Nyack, New York, 10995.

Videos, Films***Nature series episodes, PBS, including:***

Elephant Seals

Warm Hearts, Cold Water (sea otters)

Incredible Suckers (cephalopods)

Under the Emerald Sea

Jewels of the Caribbean

Island of the Whales

Spirit of the Sound

NOVA productions, PBS, including:

Swimming with Whales

Cashing In On The Ocean

3-2-1 Contact production: Boy Under the Ice

Excellent review of hypothermia and bradycardia using a real-life drama about a boy who survives after falling through ice and becoming trapped in freezing water for 20 minutes as a springboard.

Agencies**For more information on global systems studies, contact:**

NASA's Mission to Planet Earth
NASA Public Affairs Officer
National Aeronautics and Space Administration
Washington, D.C. 20546
(202) 358-1547

UCAR Office for Interdisciplinary Earth Studies
P.O. Box 3000
Boulder, Colorado 80307-3000
(303) 497-1682

NOAA Office of Global Programs
Education Program Manager
1100 Wayne Ave, Suite 1225
Silver Springs, MD 20910

The Earth Observing System
Earth Science & Applications Division
NASA Headquarters (Code EE)
600 Independence Avenue SW
Washington, D.C. 20227 - 2028

NASA Ames Research Center
 Teacher Resource Center Mail Stop TO25
 Moffett Field, CA 9403
 (415) 604-3574

The Books That Inspire Marine Biology

John Trowbridge and Jim Wandersee*

Results of a survey of 1200 marine educators and scientists concerning the use of marine literature for instructional purposes.

Recommended Readings by All Groups

(includes noninstructional books)

Top 25 Suggested titles out 583 suggested books and 416 different titles

Rank	Title	Author
1.	The Sea Around Us	Rachel Carson
2.	Log From the Sea of Cortez	John Steinbeck
3.	Beautiful Swimmers.....	William Warner
4.	Life and Death of the Salt Marsh	John and Mildred Teal
5.	Edge of the Sea	Rachel Carson
6.	Kon Tiki	Thor Heyerdahl
7.	The Living Dock	Jack Rudloe
8.	Moby Dick	Herman Melville
9.	Old Man and the Sea	Ernest Hemingway
10.	Silent Spring.....	Rachel Carson
11.	Sailing Alone Around the World.....	Joshua Slocum
12.	Seaside Naturalist.....	Deb Colulombe
13.	Under the Sea Wind.....	Rachel Carson
14.	Cannery Row	John Steinbeck
15.	Chesapeake	James Michener
16.	Island of Blue Dolphins.....	Scott O'Dell
17.	Marine Biology Coloring Book	Niesen
18.	Outermost House.....	Henry Betson
19.	Silent World	Jacques Cousteau
20.	Soundings	Frank Searles
21.	Time of the Turtle	Jack Rudloe
22.	Voyage of the Beagle	Charles Darwin
23.	Waves and Beaches	Willard Bascom
24.	Whale for the Killing	Farley Mowatt
25.	Year of the Crab.....	William Sargent

Books Instructors Suggest Their Students Read

Top 5 of 81 titles given

Rank	Title	Author
1.	Log From the Sea of Cortez	John Steinbeck
2.	Moby Dick	Herman Melville
3.	The Sea Around Us	Rachel Carson
4.	Life and Death of the Salt Marsh.....	John and Mildred Teal
5.	Cannery Row	John Steinbeck

Books Selected as Required Reading in Courses Taught

Top 10 of 125 titles

Rank	Title	Author
1.	Life and Death of the Salt Marsh.....	John and Mildred Teal
2.	Beautiful Swimmers.....	William Warner
3.	Kon Tiki.....	Thor Heyerdahl
4.	Old Man and the Sea	Ernest Hemingway
5.	The Sea Around Us	Rachel Carson
6.	Two Years Before the Mast.....	R.H. Dana
7.	Twenty Thousand Leagues Under the Sea	Jules Verne
8.	Silent Spring.....	Rachel Carson
9.	Whale for the Killing.....	Farley Mowatt
10.	Under the Sea Wind.....	Rachel Carson

Books That Influenced Respondents or Which Affected Their Job Choice

Top 5 of 49 titles

Rank	Title	Author
1.	Between Pacific Tides	Ed Ricketts
2.	Silent Spring.....	Rachel Carson
3.	The Sea Around Us	Rachel Carson
4.	Log From the Sea of Cortez	John Steinbeck
5.	Silent World	Jacques Cousteau

Books With Which Respondents Philosophically Identify

Out of 37 suggested titles only two books were suggested by three people:

Sand County Almanac Aldo Leopold
 Silent Spring Rachel Carson

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