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A Technical Memorandum EDS NODC 5



MARINE SCIENCE NEWSLETTERS - 1977
AN ANNOTATED BIBLIOGRAPHY

Washington, D.C.
August 1977

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION / Environmental Data
Service

NOAA TECHNICAL MEMORANDA

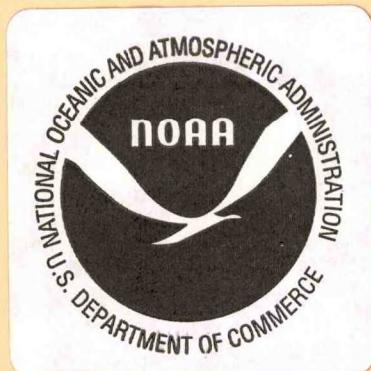
EDS National Oceanographic Data Center Subseries

The National Oceanographic Data Center (NODC) of NOAA's Environmental Data Service (EDS) is the central U.S. repository for unclassified oceanographic data and related marine science information pertaining to the world's oceans, seas, and estuaries. The Center receives data and published information from both domestic and foreign sources, including national data centers of other countries and World Data Center A, Oceanography--the United States subcenter for oceanography in the World Data Center system. NODC compiles the National Marine Data Inventory, which contains information on quantities and types of data, areas of operations, and responsible personnel. NODC services include data processing, reproduction of data, preparation of data summaries and inventories, evaluation of data records, special literature searches, and provision of general marine sciences information.

NOAA Technical Memoranda in the EDS NODC subseries facilitate rapid dissemination of information that may be preliminary in nature and subject to formal publication elsewhere at a later date. Publications listed below are available from the National Technical Information Service, U.S. Department of Commerce, Sills Bldg., 5285 Port Royal Road, Springfield, Va. 22151. Prices vary for both paper copy and microfiche. Order by accession number shown in parentheses at end of each entry.

NOAA Technical Memoranda

- EDS NODC 1 Literature Search for Atmospheric Humidity Profile Models From the Sea Surface to 1000 Meters. Kenneth R. Avery, February 1972. (COM-72-10598)
- EDS NODC 2 Marine Science Newsletters--An Annotated Bibliography. March 1972. (COM-72-10353)
- EDS NODC 3 Marine Science Newsletters - 1973. An Annotated Bibliography. April 1973. (COM-73-11153)
- EDS NODC 4 Marine Science Newsletters - 1975. An Annotated Bibliography. November 1975.



NOAA Technical Memorandum EDS NODC 5

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Compiled by Charlotte M. Ashby

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NATIONAL OCEANIC AND
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Richard A. Frank, Administrator

Environmental Data
Service
Thomas S. Austin, Director



INTRODUCTION

Newsletters are a popular and effective means of disseminating information within an organization, to colleagues, to other organizations, and to the general public. The marine science community has taken advantage of this medium. This edition of "Marine Science Newsletters-1975: An Annotated Bibliography," the fifth to be published since 1965, includes references to 157 newsletters.

Newsletters are constantly changing. Many are discontinued because of whims of managers, budget cuts, the end of a program or project, or the abolishment of an agency or organization. New ones, however, appear with great regularity.

Some of the newsletters listed herein are not primarily marine science oriented; however, they include information about marine science activities with respect to area covered or subject matter.

In Part I, the newsletters are listed alphabetically. Each citation includes title, name, and address of publisher; frequency of publication; cost (if any); and annotations regarding content. Many of the publications are available free of charge to qualified users, as determined by the publisher.

Part II consists of an index to type of publisher, such as Sea Grant, academic, or business, and an alphabetical list of publishers, indexed to the appropriate newsletter.

While every attempt has been made to include all pertinent newsletters, some may have been overlooked. If so, please forward a sample for review and inclusion in a future revision of this publication.

The address is:

Technical Records Branch, (D764) NODC
Environmental Data Service
National Oceanic and Atmospheric Administration
U.S. Department of Commerce
Washington, DC 20235

PART I: ALPHABETICAL LISTING OF NEWSLETTERS

- AIR/WATER POLLUTION REPORT. Business Publishers, Inc., P.O. Box 1067, Blair Station, Silver Spring, MD 20910. Weekly. North America \$175 a year; \$200 a year elsewhere. 1
News about environmental pollution; its occurrence, relevant acts, and laws; products for pollution control; and methods taken for controlling pollution. The marine environment is included.
- ALASKA SEAS AND COASTS. Alaska Sea Grant Program, University of Alaska, Fairbanks, AK 99701. Five issues yearly. Free. 2
Published for the Alaska commercial fishing industry. Contains news of current events, feature material, and current research written by authorities in their fields on topics of interest in the industry. Serves as a forum for open discussion of prime issues in Alaska's fisheries and a communication tool within the industry and between various government agencies concerned with management of Alaska's fisheries.
- ALASKAN FISHERMAN. United Fishermen of Alaska, Box 191, Juneau, AK 99510. \$25 membership fee. 3
News especially about legal or political events affecting Alaska fisheries.
- AMERICAN LITTORAL SOCIETY NEWSLETTER. American Littoral Society, Sandy Hook-Highlands, NJ 07732. Irregular. \$7.50 membership fee. 4
Society activities, programs, and plans including field trips, meetings, and publications.
- AMERICAN MALACOLOGICAL UNION, INC. Spring and Fall NEWSLETTERS and annual BULLETIN. The American Malacological Union, Inc., 3706 Rice Boulevard, Houston, TX 77005. Issued to members as part of annual dues. 5
Society news including announcements of meetings, publications, and activities of its affiliated organizations.
- THE AQUA-DUCT. Marine Studies Curriculum Project, University Laboratory School, 1776 University Avenue, Honolulu, HI 96822. Quarterly. Free. 6
Prepared for the Hawaii Marine Education Council, AQUA-DUCT includes information about marine education activities at all levels taking place particularly in Hawaii, with some news about mainland activities included.

AQUANOTES. Office of Sea Grant Development, Louisiana State University, 7
Baton Rouge, LA 70803. Five times a year. Free.

Information and news about Louisiana's wetland resources, Sea Grant activities, and related topics.

AQUATIC MICROBIOLOGY NEWSLETTER. American Society for Microbiology, 8
Division of Aquatic Microbiology. Samuel P. Meyers, Editor,
Louisiana State University Station, P.O. Box 19090 A, Baton Rouge,
LA 70803.

Society news, job opportunities, publications, and meetings are announced.

AQUATIC PLANT CONTROL RESEARCH PROGRAM INFORMATION EXCHANGE BULLETIN. 9
U.S. Army Engineer Waterways Experiment Station, Corps of Engineers,
P.O. Box 631, Vicksburg, MS 39180. Irregular. Free.

Information on the status of the technology development under the Corps of Engineers' nationwide Aquatic Plant Control Research Program (APCRP). Other communications or contributions relating to the control of aquatic plants are invited.

ASC NEWSLETTER. Secretariat, Association of Systematics Collections, 10
Museum of Natural History, University of Kansas, Lawrence, KS 66045.
Bimonthly. Free.

Contains news about the association; general news of interest to members; information about computerized data bases; news about legislative activities relating to the preservation of endangered species; a list of available positions; and announcements of new publications.

ASIAN OCEANOLOGIST. Pacific Business Associates, Ltd., C.P.O. less Box 11
1425, Tokyo 100-91, Japan. Monthly. \$65 a year.

News about significant maritime events occurring in the Far East. Emphasis is on the development of natural resources.

BENCHNOTES. U.S. Army Cold Regions Research and Engineering Laboratory, 12
Hanover, NH 03755. Bimonthly. Free.

Reports on progress with ongoing projects, many of which involve the arctic marine environment. Recent CRREL publications are announced. Book reviews, announcements of meetings, and notes about people are also included.

BENTHOSARURUS. Benthos, Inc., Edgerton Drive, North Falmouth, MA 02556. 13
Biweekly. Free.

News about products manufactured by Benthos, including notes about new products and articles relating to the use of products in the marine environment.

BOATING SAFETY NEWSLETTER. Safety Information Branch (G-BBE-1), Boating Education Division, Office of Boating Safety, U.S. Coast Guard Headquarters, Washington, DC 20590. Monthly. Free. 14

Tips on boating safety, notices about training courses and navigation aids, news releases, pertinent articles, announcements about laws and regulations affecting boating, and related items.

CALIFORNIA ENVIRONMENTAL REPORT. Business Publishers, Inc., P.O. Box 1067, Silver Spring, MD 20910. Monthly. \$36 a year. 15

News events relating to California pollution and its control. Includes the marine environment. Contracts and grant actions, conferences, and publications are listed.

CERCULAR INFORMATION BULLETIN. Coastal Engineering Research Center, Department of the Army, Kingman Building, Fort Belvoir, VA 22060. 16
Quarterly. Free.

Describes programs and projects of CERC. New CERC publications are announced. Meetings and courses are also described.

CINECA NEWSLETTER. Published for CINECA by the International Council for the Exploration of the Sea, Charlottenlund Castle, 2920 Charlottenlund, Denmark. Irregular. Free. 17

News and reports relating to the international program, Cooperative Investigations of the Northern Part of the Eastern Central Atlantic, sponsored by the International Council for the Exploration of the Sea, the Intergovernmental Oceanographic Commission, the Food and Agriculture Organization of the United Nations, and others. The newsletter is published in two languages, French and English.

CLEAN SLATE. Naval Construction Battalion Center, Port Hueneme, CA 93043. Quarterly. Free. 18

News about activities and services of the Naval Environmental Protection Support Service, which supports all levels of Navy Command with environmental quality information.

- CLEAN WATER REPORT. Business Publishers, Inc., P.O. Box 1067, Blair Station, Silver Spring, MD 20910. Biweekly. \$90 a year in the U.S.; \$105 outside the U.S. 19
- News items about conservation, desalination, waste disposal, and pollution abatement.
- COASTAL RESEARCH NOTES. V. J. Henry, Skidaway Institute of Oceanography. Savannah, GA 31406. Three times a year. \$3 domestic; \$4 foreign. 20
- News about meetings of domestic and international organizations doing research on shorelines; book and report announcements; news and articles about people working on shoreline projects, and about events affecting shorelines throughout the world.
- COASTAL STUDIES INFORMATION COMMUNIQUE. Marine Advisory Program/Sea Grant Program, University of Southern California, Los Angeles, CA 90007. Irregular. Free. 21
- Designed for all individuals concerned with the coastal zone, it includes national as well as local news about issues or problems, articles on specific issues, features by guest columnists, and current literature searches on key issues.
- COASTAL ZONE MANAGEMENT. Nautilus Press, Inc., National Press Building, Washington, DC 20045. Monthly. \$160 a year. 22
- News about activities relating to the coastal zone including information about relevant laws, research activities ongoing and proposed, and publications of interest.
- COASTAL ZONE NEWS. Sea Grant/Marine Advisory Program, 252-B Spalding Hall, University of Hawaii, Honolulu, HI 96822. Monthly. Free. 23
- News about activities affecting Hawaii's coastal zone, especially about national and local legislative actions and proposed development projects.
- COAST LINE LETTER. The Planning and Conservation League Foundation, 2145 Moreno Drive, Los Angeles, CA 90039. Biweekly. Free. 24
- Reports on the proceedings of the South Coast Regional Coastal Zone Conservation Commission of California. It is distributed by the Marine Advisory Program/Sea Grant Program of the University of Southern California.
- COASTLINES. New York State Sea Grant Program, Fernow Hall, Cornell University, Ithaca, NY 14853. Bimonthly. Free. 25
- Focus is on articles and information of use in solving coastal problems. It also includes information about the Sea Grant program in New York.

COLD CLIMATE RESEARCH HIGHLIGHTS. Arctic Environmental Research Laboratory, Environmental Protection Agency, College, AK 99701. 26
Irregular. Free.

News items about research activities at the Laboratory or of interest to the Laboratory. A major area of interest at present is the possible effects on the Arctic environment--land and marine--of recent oil drilling activities and the Trans-Alaska Pipeline System.

COMMUNICATOR. Great Lakes Basin Commission, P.O. Box 999, 3475 Plymouth Road, Ann Arbor, MI 48106. Monthly. 27 Free.

News about activities taking place in the Great Lakes Basin, including projects, activities, issues, and problems affecting the lakes themselves.

CONSERVATION FOUNDATION LETTER. Conservation Foundation, 1717 Massachusetts Avenue NW, Washington, DC 20036. Monthly. 28 \$10 a year.

News about environmental issues, including the marine environment, Government and other activities that promote conservation, and activities deleterious to the environment.

CORAL REEF NEWSLETTER. F. H. Talbot or B. C. Russel, Editors, Coral Reef Newsletter, Environmental Studies Program, Macquarie University, N. Ryde, N.S.W. 2113, Australia. 29 Irregular.

Includes resumes of research activities as provided by interested organizations of scientists. Publishes announcements of and reports from meetings or symposia, especially meetings of the Scientific Committee on Coral Reefs of the Pacific Science Association, sponsor of the newsletter. (Note: After 1977, requests should be addressed to Roy Tsuda, University of Guam, Apra, Guam.)

CRWR NEWS. Center for Research in Water Resources, University of Texas at Austin, Balcones Research Center, 10100 Burnet Road, Austin, TX 78758. Quarterly. 30 Free.

News about the activities and projects undertaken by the Center, personnel, courses offered, publications available, and project events.

CSK NEWSLETTER. Japan Oceanographic Data Center, Hydrographic Department, Maritime Safety Agency, Tokyo, Japan. 31 Semiannual. Exchange.

News and activities relating to the international program, Cooperative Study of the Kuroshio and Adjacent Regions, sponsored by the Intergovernmental Oceanographic Commission. Important to the newsletter are the cruise reports on the recently accepted ROSCOP (Report of Observations/Samples Collected by Oceanographic Programs) forms, which are reproduced in the newsletter.

CUEA NEWSLETTER. CUEA National Coordination Center, Duke University
Marine Laboratory, Beaufort, NC 28516.

32

Successor to CUE NOTES, formerly published by the School of Oceanography, Oregon State University. The CUEA (Coastal Upwelling Ecosystems Analysis) NEWSLETTER is designed to keep program personnel and other interested persons informed about major events and accomplishments of the project. In addition to news about events, meetings, and personnel, it includes short articles from participants. CUEA is a program under the IDOE (International Decade of Oceanographic Exploration), supported by the National Science Foundation.

CURRENTS. Office of Marine Affairs, 409 N. Wilmington Street, Raleigh, NC 27601. Quarterly. Free.

33

News about marine science activities in the State of North Carolina; notes about sources of information for marine science educators and researchers; announcements of publications received; and announcements of meetings of interest and brief reports on the meetings held.

CURRENTS. Sea Grant Communications, 418 Administration Building, Oregon State University, Corvallis, OR 97331. Every 2 or 3 months. Free.

34

Articles of interest to Oregon's commercial fishermen and news about Oregon's Sea Grant and Marine Advisory programs. Recent publications are listed.

DREDGED MATERIAL REVIEW. U.S. Army Engineers Waterways Experiment Station. Corps of Engineers, P.O. Box 631, Vicksburg, MS 39180. Irregular. Free.

35

Articles, news, and reviews pertaining to dredging activities of the Corps of Engineers Dredged Material Research Program and of dredging activities of other organizations.

ECO/LOG WEEK. Corpus Services, 151 Bloor Street W., Toronto, Ontario, Canada M5S1S4. Weekly. \$145 a year (reduced rates for additional copies).

36

News about events, legislation, products, patents and processes, and literature relating to ecology, including marine activities. United States activities as well as Canadian are included.

ECOLOGY USA (EUSA). Business Publishers, Inc., P.O. Box 1067 Blair Station, Silver Spring, MD 20910. Weekly. North America \$48 a year; elsewhere \$63 a year.

37

A weekly overview of issues affecting the environment, including the marine environment.

EDS. Environmental Data Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Washington, DC 20235 38
Bimonthly. Free.

News about geophysical, atmospheric, and oceanographic programs and data information services available from the components of the Environmental Data Service, including the Center for Experiment Design and Data Analysis, the Environmental Science Information Center, the National Climatic Center, the National Oceanographic Data Center, the National Geophysical and Solar-Terrestrial Data Center, and the Center for Climatic and Environmental Assessment.

ENERGY MANAGEMENT. Commerce Clearing House, Inc., 4025 North Peterson Avenue, Chicago, IL 60646. Weekly. \$330. 39

Monitors the Federal programs to solve energy resources problems, including the regulations and administrative releases of the Federal Energy Administration.

ENVIRONMENT IMPROVEMENT CASE HISTORY. Freed Publishing Co., P.O. Box 1144, FDR Station, New York, NY 10022. Monthly. \$35 a year. 40

Information about environmental programs carried out by business firms, government agencies, community groups, and others. Names and addresses for program contact points are included.

ENVIRONMENT REPORT. Trends Publishing, Inc., National Press Building, Washington, DC 20004. Twice a month. \$60 a year. 41

Current events relating to the environment, including the marine environment. Contract and grant actions, conferences, and publications are listed. Publisher also cites trends in actions regarding the environment.

ENVIRONMENT REPORTER. Bureau of National Affairs, Inc., 1231-25th Street NW., Washington, DC 20037. Weekly. \$280 a year. 42

Current events relating to pollution and its control are related, usually by area or State. Pertinent laws, meetings, and contract awards and grants are cited. The marine environment is included.

ENVIRONMENTAL AND NATURAL RESOURCES NEWSLETTER. William E. Hardy, Editor. National Oceanic and Atmospheric Administration, Room 194, Page Building 2, 3300 Whitehaven Street NW., Washington, DC 20235. Periodically. Free. 43

A joint undertaking of three U.S. agencies--the Department of the Interior, the Environmental Protection Agency, and the Department of Commerce's National Oceanic and Atmospheric Administration--offering information about the environment and natural resources.

ENVIRONMENTAL RESOURCE. Massachusetts Department of Natural Resources, Division of Conservation Services, Leverett Saltonstall Building, 100 Cambridge Street, Boston, MA 02202. Twice a month. Free. 44

News and articles relating to environmental resources in Massachusetts. Marine fisheries, coastal zone management, and marine pollution are among the topics discussed.

EXPOSURE. c/o Rod Mesecar, School of Oceanography, Oregon State University, Corvallis, OR 97331. Bimonthly. Free. 45

Designed for ocean technologists, EXPOSURE consists of articles about instruments and techniques for ocean exploration and engineering. A column on problems and their solutions is included. Contributions are invited. It is also available from the National Technical Information Service, U.S. Department of Commerce, Sills Bldg., 5285 Port Royal Road, Springfield, VA 22161.

FATHOM LINE. Marine Resources Center, South Carolina Wildlife and Marine Resources Department, P.O. Box 12559, Charleston, SC 29412. Bimonthly. Free. 46

News about South Carolina's Sea Grant Program and activities that affect the program.

FGGE NEWS. Wayne McGovern, Editor, NOAA/EM-6, 6010 Executive Boulevard, Rockville, MD 20852. Irregular. Free. 47

Information on the status of planning in all phases of FGGE--the First GARP (Global Atmospheric Research Project) Global Experiment. Announcements of forthcoming meetings, seminars, and related activities are included.

FISHERIES BULLETIN. National Canners Association, 1133-20th Street NW., Washington, DC 20036. Monthly. Available to members of the Association. 48

Information relating to fishery products. Includes notices of meetings, Federal activities, legislative actions and proposed actions, and marketing news.

FLASHES. National Fisheries Institute, 1730 Pennsylvania Avenue NW., Washington, DC 20006. Irregular. Available to members. 49

Institute news and notes about legislation affecting the fishing industry.

FLORIDA CONSERVATION NEWS. State of Florida Department of Natural Resources, 202 Blount Street, Tallahassee, FL 32304. Monthly. Free. 50

News about events relating to natural resources in Florida, their use, and their conservation. Coastal zone and marine activities predominate.

GATE INFORMATION BULLETIN. Stan Ruttenberg, Editor, National Center for Atmospheric Research (NCAR), P.O. Box 3000, Boulder, CO 80303. 51
Irregular. Free.

Successor to GATE News, formerly published by the U.S. GATE (GARP Atlantic Tropical Experiment) Project Office of NOAA, the GATE Information Bulletin is designed to inform those interested in GATE, which is now terminated, about the status of production and availability of the preliminary and final data sets. It also includes information about GATE working group meetings, seminars, scientific sessions, and research activities or preliminary scientific publications.

GEOSCIENCE INFORMATION SOCIETY NEWSLETTER. American Geological Institute, 2201 M Street NW., Washington, DC 20037. Bimonthly. Available to nonmembers for \$12 a year. 52

News about professional activities of Society members and about programs of the Society, many of which concern the marine environment.

GRAPEVINE. Geophysical Service, Inc., address inquiries to the Editor, The Grapevine, P.O. Box 5621, M.S. 904, Dallas, TX 75222. 53
Bimonthly. Free.

News about company activities and personnel.

GREAT LAKES NEWS LETTER. Great Lakes Commission, Institute of Science and Technology Building, 2200 Bonisteel Boulevard, Ann Arbor, MI 48109. Bimonthly. Free. 54

Brief reports on environmental and economic developments in the Great Lakes region and activities of the Commission. Current publications and statistics relating to the lakes appear in each issue.

GROUND WATER NEWSLETTER. Water Information Center, Inc., 7 High Street, Huntington, NY 11743. Biweekly. \$60 a year; foreign, \$70. 55

Includes news items about marine matters when ground water is involved, such as ocean dumping of sludge vs land spreading, salt water intrusion, or hazardous waste disposal.

HARBOR TIDES. Sea Grant, Grays Harbor College, Aberdeen, WA 90520. 56
Bimonthly. Free.

Published for use by commercial fisheries people in the Grays Harbor and Willapa Bay area. Includes news, information about legislative matters, navigation information, and tips on more effective boating.

HORIZON. Oceanographic Division, Sippican Corp., Marion, MA 02738. 57
Quarterly. Free.

News of technical interest to oceanographers. While most articles are contributed by members of the Sippican staff, authors from other organizations are invited to contribute.

IDOE POLLUTANT TRANSFER NEWSLETTER. Robert A. Duce, Editor, University of Rhode Island, Graduate School of Oceanography, Kingston, RI 02881. Semiannual. Free. 58

Designed primarily for participants in the IDOE/Pollutant Transfer Program, the newsletter includes information about the progress and results of the program, papers published by participants, cruise announcements, meetings, job openings, intercalibration studies, and other items of general interest.

IMS NEWSLETTER. Editor, International Marine Science Newsletter, Division of Marine Sciences UNESCO, 7 Place de Fontenoy, 75700, Paris, France. Quarterly. Free. 59

News about international marine science projects, programs, and activities, and about national programs that might be of interest to the international community. A publication produced in collaboration with the Intergovernmental Oceanographic Commission, the United Nations, the Food and Agriculture Organization, the Inter-Governmental Maritime Consultative Organization, and the World Meteorological Organization.

INFORMATION BULLETIN. Pacific Science Association, P.O. Box 17801, Honolulu, HI 96817. Bimonthly. Free to members of Association. 60

Reports on research activities and proposed activities in the Pacific area. Marine science activities are included. Symposia and conferences are announced or reported. Book reviews are also included.

INFORMATION NORTH. Arctic Institute of North America, University Library Forum, 2920-24th Avenue NW., Calgary, Alberta T2N 1N4, Canada. 61
Quarterly. Free.

News and articles about projects and activities in the Arctic, many of which are marine related. Included also are announcements of meetings and publications, and book reviews.

INTERFACE. Plessey Environmental Systems, 3939 Ruffin Road, San Diego, CA 92123. Quarterly. Free. 62

Reports on activities undertaken by the organization in environmental research, including oceanography. Emphasizes use of instruments developed by the Corporation, with special emphasis on the salinity/temperature/depth device.

INTERNATIONAL TSUNAMI INFORMATION CENTER NEWSLETTER. International Tsunami Information Center (ITIC), P.O. Box 3830, Honolulu, HI 96812. Quarterly. Free. 63

The ITIC Newsletter brings news and information to tsunami researchers, engineers, educators, community protection agencies, and governments in 43 countries. News, reports, papers, and abstracts are welcomed for inclusion in the Newsletter.

ISA. Instrument Society of America, 400 Stanwix Street, Pittsburgh, PA 15222. Irregular. Available to Society members. 64

Information about activities of the Society, and news about events relating to marine science instrumentation, people involved with instrumentation, pertinent meetings, and related publications.

LITTORAL LINES. Battelle Memorial Institute, 505 King Avenue, Columbus, OH 43201. Monthly. Free. 65

News about research in ocean science and marine technology. Includes notes about people, publications, and meetings.

LOUISIANA COASTAL LAW. Sea Grant Legal Program, Louisiana State University, 52-60 Law Center, Baton Rouge, LA 70803. Irregular. Free. 66

Analysis of coastal law and coastal zone management activities, with some emphasis given to developments in Louisiana.

MAINE COMMERCIAL FISHERIES. Fisheries Communications, Inc., Box 37, Stonington, ME 04681. Monthly. \$8 membership fee in the U.S.; \$18 foreign. 67

News and information about techniques and developments in the fishing industry. While primarily designed for the fishing industry, it also includes information for the public regarding the industry and other marine resources.

MAKING WAVES. Oceanic Society, Mid-Atlantic Region, P.O. Box 13357, Philadelphia, PA 19101. Free to Society members. 68

News about activities, programs, and membership opportunities of the Society and news about marine activities in general. Preservation of the marine environment is a major concern of the Society.

MARINE ADVISORY PROGRAMS NEWSLETTER. University of California Marine Advisory Program, Extension Wildlife and Sea Grant, 554 Hutchinson Hall, University of California, Davis, CA 95616. Monthly. Free. 69

News about the marine advisory programs, especially about the California program, and news events of interest to California's marine scientists and fishermen. Includes a list of available publications.

MARINE ADVISORY PROGRAM NEWSLETTER. Florida Cooperative Extension Service, Marine Advisory Program/Sea Grant Program, G022 McCarty Hall, University of Florida, Gainesville, FL 32611. Bimonthly. Free. 70

News of interest to fishermen and others involved in Florida's marine areas, and about the Sea Grant program in Florida. Meetings of interest are announced, and available publications are listed.

MARINE ADVISORY SERVICE NEWSLETTER. Marine Advisory Service, University of Rhode Island, Narragansett Bay Campus, Narragansett, RI 02882. Monthly. Free. 71

A Sea Grant-sponsored publication containing news of interest to local fishermen and information about activities of the marine scientists at the University of Rhode Island. Lists of publications are included.

MARINE ECOLOGY RESEARCH HIGHLIGHTS. Environmental Protection Agency, National Marine Water Quality Laboratory, South Ferry Road, Narragansett, RI 02882. Irregular. Free. 72

Reports on research activities at the Laboratory.

MARINE FISH MANAGEMENT. Nautilus Press, Inc., 1056 National Press Building, Washington, DC 20045. Monthly. \$47.50 a year. 73

Covers the activities of the Regional Fishery Management Councils, newly formed under the Fishery Conservation and Management Act of 1976 (the 200-mile zone).

MARINE MAMMAL NEWS. Nautilus Press, Inc., 1056 National Press Building, Washington, DC 20045. Monthly. \$37.50 a year. 74

News about activities pertaining to marine mammals, particularly existing and proposed legislative and Federal actions.

MARINE MAN. Memorial University of Newfoundland, St. John's, Canada. Quarterly. Free. 75

Designed primarily for students, the newsletter focuses on announcement of new publications, meetings, programs, current

trends, and research activities of interest to students working in the area of marine/human adaptations. News items are worldwide and not limited to Newfoundland.

MARINE NEWSLETTER. Coastal Plains Center for Marine Development Services, 1518 Harbour Drive, Wilmington, NC 28401. Bimonthly. Free. 76

News about marine and coastal activities of interest to Virginia, North and South Carolina, Georgia, and Florida. Information emanating from both within and outside these States is included. Information about recent publications is included, and meetings of interest are announced.

MARINE PROGRAM NEWSLETTER. University of New Hampshire Marine Program Newsletter, Kingsbury Hall, University of New Hampshire, Durham, NH 03824. Free. 77

A Sea Grant-sponsored newsletter designed to include information about activities in the New Hampshire coastal zone, staff activities, meetings, seminars, and new publications.

MARINE RESOURCE BULLETIN. Virginia Institute of Marine Science, Gloucester Point, VA 23062. Bimonthly. Free. 78

This newsletter contains articles on current research at the Institute, with special emphasis on how it affects Virginia residents. Regular question and answer, departmental, recipe, and graduate student research columns are included. The Bulletin is a Sea Grant Advisory Service publication.

MARINE RESOURCES ADVISORY. Virginia Institute of Marine Science, Gloucester Point, VA 23062. Irregular. Free. 79

Each monograph in this series deals with an individual Virginia marine resource or activity. The series is a Sea Grant Advisory Service project.

MARINE RESOURCES DIGEST/MARINE BIOLOGY DIGEST. Girard Associates, Inc., Box 404, Mt. Arlington, NJ 07856. Monthly. \$40 a year. 80

Reports on current events relating to marine sciences, including activities undertaken by marine research institutions and by individual marine scientists, as well as new products and recent publications.

MARINE TECHNOLOGY SOCIETY, LOS ANGELES REGION SECTION. Marine Technology Society, Los Angeles Section, P.O. Box 227, Northridge, CA 91325. Monthly. Free. 81

News about Society activities in the Los Angeles region and items about current events and legislative actions affecting marine sciences in that area.

MARTEK MARINER. Martek Instruments, Inc., 879 West 16th Street, Newport Beach, CA 92660. Irregular. Free.	<u>82</u>
Descriptive articles about current marine research programs, data collection methods, and marine science instruments.	
MML NEWSLETTER. Mote Marine Laboratory, 9501 Blind Pass Road, Sarasota, FL 33581. Irregular. Free.	<u>83</u>
Reports on activities being undertaken by the Laboratory, which is especially concerned with shark research.	
MSUS. Marine Sciences Under Sails, P.O. Box 3994, Hollywood, FL 33023. Quarterly. \$1 a year.	<u>84</u>
Announcements of Caribbean study/cruise opportunities for marine educators and others, reports on cruises, and other information pertinent to marine science education.	
NAI NEWS. Normadeau Associates, Inc., 686 Mast Road, Winchester, NH 03102. Quarterly. Free.	<u>85</u>
Information about capabilities and activities of Normadeau Associates in environmental research, much of which are in the marine environment.	
NAUI NEWS. National Association of Underwater Instructors, Headquarters, 22809 Barton Road, Grand Terrace (Colton), CA 92324. Nine to 12 issues a year. \$18 domestic; \$20 foreign.	<u>86</u>
News about diving activities and marine science research projects of interest to divers.	
NAWDEX NEWSLETTER. National Water Data Exchange Program Office, U.S. Geological Survey, 421 National Center, 12201 Sunrise Valley Drive, Reston, VA 22092. Irregular. Free.	<u>87</u>
Information about significant events and progress of activities with the National Water Data Exchange program.	
NEFDP BULLETIN. New England Fisheries Steering Committee, P.O. Box J-4093, New Bedford, MA 02741. Free.	<u>88</u>
News about activities, products, meetings, and other events relating to the New England Fisheries Development Program (NEFDP).	
NEFSC BULLETIN. New England Fisheries Steering Committee, P.O. Box J-4093, New Bedford, MA 02741. Free.	<u>89</u>
Published alternately with the NEFDP Bulletin, the NEFSC Bulletin is designed to include news from other ports and news about resources pertaining to the fishing industry.	

NEMAS INFORMATION. NEMAS (New England Marine Advisory Service), University of Rhode Island, Narragansett Bay Campus, Narragansett, RI 02882. Bimonthly. One-time only charge of \$2 to new subscribers.	<u>90</u>
News and articles relating to marine science research activities in New England, with notes about meetings and publications of interest to marine scientists in the area.	
NEWS RELEASE D.S.D.P. Scripps Institution of Oceanography, University of California, La Jolla, CA 92037. Irregular. Free.	<u>91</u>
News about ongoing activities of the Deep Sea Drilling Project, including schedules, sites proposed for drilling, personnel, discoveries, and problems.	
NEWSLETTER. American Shore and Beach Preservation Association, 412 O'Brien Hall, University of California, Berkeley, CA 94720. Quarterly. Available to Association members.	<u>92</u>
News about events and activities affecting beaches and shorelines, and methods taken to prevent or control erosion; also includes news about relevant meetings and publications.	
NEWSLETTER. Association of Sea Grant Program Institutions Secretariat. Graduate School of Oceanography, University of Rhode Island, Kingston, RI 02881. Monthly. Available to Association members.	<u>93</u>
News about actions affecting the Sea Grant program and institutions involved in the program. Information about actions at the Federal level predominates.	
NEWSLETTER. Aquacultural Engineering Laboratory, University of Massachusetts at Wareham, 15A Main Street, Wareham, MA 02571. Irregular. Free.	<u>94</u>
Designed for the shellfisherman in the New England States, the newsletter describes activities, programs, and projects undertaken at the Laboratory. Publications are listed.	
NEWSLETTER. Bermuda Biological Station for Research, St. Georges West, 1-15 Bermuda. Three times a year. Free to BBS Associate Members; others \$20 a year.	<u>95</u>
News about research activities and programs undertaken at the Station. Meetings and publications are announced.	
NEWSLETTER. Bureau of Coastal Zone Planning, Department of Natural Resources, State of Florida, Tallahassee, FL 32304. Monthly. Free.	<u>96</u>

News about coastal zone matters in Florida and in other States, and other news of interest to persons involved in coastal zone activities. Lists of publications issued by the Council and significant publications received by it are included.

NEWSLETTER. Center for Dredging Studies, Department of Civil Engineering, Texas A&M University, College Station, TX 77843. 97
Irregular. Free.

Information about the Center's activities, including research programs, courses, publications, and personnel.

NEWSLETTER. Chesapeake Bay Institute, The Johns Hopkins University, Baltimore, MD 21218. Irregular (3-4 times a year). Free. 98

News about activities at the Institute, including projects being undertaken, activities of its personnel, and announcements of new publications.

NEWSLETTER. Sea Grant Program. University of North Carolina, 1235 Burlington Laboratories, North Carolina State University, Raleigh, NC 27607. Monthly. Free. 99

News about North Carolina's Sea Grant Advisory Service.

NEWSLETTER OF THE COOPERATIVE INVESTIGATIONS IN THE MEDITERRANEAN (CIM). The International Coordinator and The Operational Unit, 16, Bd. de Suisse, MC Monte-Carlo, Monaco. Irregular. Exchange. 100

Includes descriptions of subprograms, reports on meetings, reports from national coordinators, resumes of individual cruises, and related articles. The newsletter is a more formal presentation than most newsletters.

NHMI. Newfound Harbor Marine Institute, Route 1, Box 170, Big Pine Key, FL 33043. Irregular. Free. 101

Provides news to teachers about educational programs for students 4-12, marine science programs for college students, and teacher/adult workshops.

NOAA WEEK. National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Rockville, MD 20852. Weekly. Free. 102

Articles relating to special research activities, particularly those in which NOAA staff members participate, and staff news. Seafood recipes frequently appear.

NORTH CAROLINA SEA-GRANT NEWSLETTER. Sea Grant Program, School of Public Health, University of North Carolina, Chapel Hill, NC 27514. Monthly. Free. 103

An indexed list of reports relating to Sea Grant activities or reports compiled at Sea Grant institutions and deposited in the William Madison Randall Library at the University of North Carolina at Wilmington.

NORTHWEST CURRENTS. Oceanographic Institute of Washington, 312 First Avenue North, Seattle, WA 98109. Bimonthly. Free. 104

Lists of marine research projects currently in progress in the State of Washington and British Columbia. Summary project information is published in the annual COMPENDIUM OF CURRENT MARINE ENVIRONMENTAL STUDIES IN THE PACIFIC NORTHWEST, which is indexed by investigator, subject, geographical area, and both sponsoring and performing organizations.

NORTHWEST ENVIRONMENTAL REPORT. Business Publishers, Inc., P.O. Box 1067, Silver Spring, MD 20910. Monthly. \$45 a year. 105

News events relating to the Pacific Northwest pollution and its control, including the marine environment. Contracts and grant actions, meetings, conferences, and publications are cited.

NUCLEAR REGULATION REPORTS. Commerce Clearing House, Inc., 4015 N. Peterson Avenue, Chicago, IL 60646. Weekly. \$480. 106

Explains and analyzes the laws and regulations with regard to the use and development of nuclear energy.

NYOSL NEWSLETTER. New York Ocean Science Laboratory, Montauk, NY 11954. 107

News of interest to colleges and universities affiliated with the NYOSL.

OCEAN ENGINEERING TECHNICAL BULLETIN. NOAA Data Buoy Office, National Space Technology Laboratories, Bay St. Louis, MS 39529. Quarterly. Free. 108

Formerly the Data Buoy Technical Bulletin, it contains information about data buoy technology and application, including buoys developed by the NOAA Data Buoy office and other buoys, and projects or programs utilizing buoys.

OCEAN LAW MEMO. Ocean Resources Law Program, University of Oregon Law School, Eugene, OR 97403. Irregular. Free. 109

Separate articles about topical legal questions relating to uses of the oceans. the Ocean Resources Law Program is a part of the Sea Grant Program.

OCEAN OIL WEEKLY REPORT. Petroleum Publishing Co., P.O. Box 1941, Houston, TX 77001. Weekly. \$110 a year in the United States; \$130 a year elsewhere.

110

News of exploration for and production of petroleum in marine areas throughout the world. Current events relating to the offshore petroleum industry and information about company activities are included.

OCEAN SCIENCE NEWS. Nautilus Press, Inc., National Press Building, Washington, DC 20045. Weekly. \$205 a year.

111

A weekly review of the news in the marine field, with emphasis on science, military, and organizational affairs. Includes the activities of the U.S. Congress, the Federal Government, and marine associations, particularly in the underwater field.

OCEAN SCIENCES LOG. Ocean Sciences Board, National Academy of Sciences. 2101 Constitution Avenue NW., Washington, DC 20418. Irregular. Free.

112

Information about activities of the Ocean Sciences Board (OSB) and oceanographic activities and projects at the national and international levels. A section called "Pelagic Oceanographers" provides information on new assignments of prominent oceanographers. New OSB publications and others of interest are announced.

OCEANIC GAME FISH INVESTIGATIONS NEWSLETTER. Southeast Fisheries Center National Marine Fisheries Service, NOAA, Miami, FL 33149. Annual. Free.

113

An annual report on gamefish research conducted by the Southeast Fisheries Center, with tables giving catch data.

OCEANOGRAPHIC NEWS SERVICE. Judith Joye, Editor and Publisher, 50 West 55th Street, New York, NY 10019. Irregular. Rates upon request.

114

Published from several times a week to once a month. Provides detailed coverage of United Nations Law of the Sea activities and lengthy summaries of oceanographic conferences in a variety of fields, including drugs from the sea, marine engineering, fisheries, etc. Also includes news not covered by other publications. Occasional book reviews. Subscribers can request additional background data on any published story without additional charge.

OREGON COMMERCIAL FISHERIES. Extension Service, U.S. Department of Agriculture, Oregon State University, Extension Hall, Corvallis, OR 97331. Free.

115

A Sea Grant Marine Advisory Program newsletter containing information of interest to fishermen, including legislative actions, new products or services, and tips on improving boat operations and fishing techniques.

OSC UPDATE. Communication Office, Delaware Sea Grant College Program, College of Marine Studies, University of Delaware, Newark, DE 19711. Irregular. Free.

116

Information about mid-Atlantic oil and gas development, including reports about pertinent conferences, etc.

PACIFIC NORTHWEST SEA. Oceanographic Commission of Washington, 312 First Avenue North, Seattle, WA 98109. Quarterly. Free.

117

News and articles about marine science activities in the State, events that might be of interest to local scientists, recommendations for research projects, announcements of activities and forthcoming events, and news about individual scientists.

PHYCOLOGICAL NEWSLETTER. Phycological Society of America, c/o Lynda J. Goff, Department of Biology, University of California, Santa Cruz, CA 95064. Three issues per year. Available only to individual members of the Phycological Society of America.

118

News about events sponsored by the Society and activities of members. Especially concerned with the alga and seaweed symposia.

POLLUTION CONTROL GUIDE. Commerce Clearing House, Inc., 4025 N. Peterson Avenue, Chicago, IL 60646. Weekly. \$440.

119

Presents compliance requirements and developing Federal policy on air and water pollution, solid waste disposal, noise, radiation, pesticides, and toxic substances, as regulated by the Environmental Protection Agency.

POLYMODE NEWS. Woods Hole Oceanographic Institution, Woods Hole, MA 02543. Biweekly. Free.

120

Scientific articles relating to POLYMODE (derived from the names of the U.S.S.R. POLYGON experiments and the Mid-Ocean Dynamics Experiment--MODE) discussing recent measurements, results and their analysis, and news relating to POLYMODE activities such as meetings, committees, and experimental plans. Published by the Woods Hole Oceanographic Institution with support from the IDOE program of the National Science Foundation and the Office of Naval Research.

RIGHT RIGGER. National Coalition for Marine Conservation, P.O. Box 5131, Savannah, GA 31403. Monthly. Free with contributions.

121

News about activities and legislative matters that affect the marine environment and oceanic game fishing in particular, and about activities of the Coalition in its support or non-support of the related actions. Book reviews, meeting announcements, and question/answer features are included.

SALMON NEWSLETTER. California Department of Fish and Game, Ocean Salmon Project, P.O. Box 47, Yountsville, CA 94559. Monthly. Free. 122

Designed for salmon fishermen of California. Includes information about catch statistics; programs for conservation; and legislative, proposed, and regulatory actions.

SCIENCE AND ENGINEERING NEWS FROM NOAA (SEN). National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Rockville, MD 20852. Irregular. Free. 123

Each issue contains an article relating to a current scientific or engineering project. Marine scientific projects are often covered.

SCOSC PELICAN. Murray D. Dailey, Director, Southern California Ocean Studies Consortium, P.O. Box 5709, 925 Harbor Plaza, Long Beach, CA 90801. Irregular. Free. 124

News of activities involving the Consortium, its members, and their research activities.

SEA BREEZES. Save Our Seas Newsletter, 245 2nd Street NE., Washington, DC 20005. Irregular. Free. 125

News about legislative issues dealing with the United Nations Conference on the Law of the Sea. It is published irregularly as required by the legislative situation.

SEA GRAMS. M.I.T. Sea Grant Program, Room 1-211, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139. Monthly. Free. 126

Successor to the former MARIC (Marine Resources Information Center) Bulletin and the Marine Information Transmitter, both published by the M.I.T. Sea Grant Program. Sea Grams contains technical and topical articles on the Sea Grant program. Publication announcements are included.

SEA GRANT COLLEGE NEWSLETTER. University of North Carolina Sea Grant College Program, 1235 Burlington Laboratories, Yarborough Drive, North Carolina State University, Raleigh, NC 27607. Monthly. Free. 127

News of interest to North Carolina fishermen and other users of the coastal environment, including reports on activities conducted by the Sea Grant Program.

SEA GRANT NEWSLETTER. University of Hawaii, Sea Grant Publications, Room 253, Spalding Hall, Honolulu, HI 86822. Monthly. Free. 128

News about marine science activities in Hawaii, including information about research activities, people, legislative actions, and especially the Sea Grant program.

SEA GRANT NEWSLETTER. Cooperative Extension Service, Mississippi State University, Box 4557, Biloxi, MS 39531. Irregular. Free. 129

A Sea Grant Advisory Service publication compiled for the Mississippi-Alabama Sea Grant Consortium and others. Contains news of interest to Gulf Coast residents and information about Consortium activities.

SEA GRANT 70's. Sea Grant Program Office, Texas A&M University, College Station, TX 77843. Monthly. Free. 130

News about coastal zone activities and the participation of Sea Grant offices in these activities. A special feature of each issue is a list of new Sea Grant publications with abstracts.

SEAHORSE. Hydro Products, a Tetra Tech Company, P.O. Box 2528, San Diego, CA 92112. Irregular. Free. 131

News about marine science activities, particularly those involving a product of the Corporation, and news about products available from the Corporation.

SEASCOPE. John M. King, Editor, c/o Aquarium Systems, Inc., 33208 Lakeland Boulevard, Eastlake, OH 44094. Four times a year. Free to customers. 132

News and articles about aquaculture projects and problems in maintaining aquatic organisms in closed circulation systems. Book reviews, publication announcements, and new product information are included.

THE SEICH. Marine Advisory Service Program, University of Minnesota. Quarterly. Free. 133

Jointly published by the Minnesota Marine Advisory Service Program and the Lake Superior Basin Studies Center, it contains reports on topics of interest to the States coastal community, including research results, activities of public and private agencies involved in the coast, programs of the advisory service, and specific problems of public concern.

SFI BULLETIN. Sport Fishing Institute, 608 - 13th Street NW., Washington, DC 20005. Ten issues per year. Free to government and nonprofit institutions and agencies involved with aquatic resource management and research. \$10 per year to unaffiliated individuals. 134

News of interest to sport fishermen, aquatic scientists, and managers, including information about legislation, conservation and management, pertinent publications, and meetings.

- SHOALS MARINE LAB NEWSLETTER. Shoals Marine Laboratory, P.O. Box 88, Portsmouth, NH 03801. Irregular. Free. 135
- News about the activities of the Laboratory that is sponsored by Cornell University and The University of New Hampshire. Undergraduate education and conservation of the coastal zone are major interests.
- SIGHTINGS. The Mariners Press Incorporated, P.O. Box 540, Boston, MA 02117. Bimonthly. Free. 136
- Describes books available from Mariners Press that relate to diving, marine life, treasure hunting, shipwrecks, ocean sciences, salvage, and other pertinent topics.
- SLUDGE. Business Publishers, Inc., P.O. Box 1067, Silver Spring, MD 20910. Monthly. \$45 a year. 137
- News of events, legislation, products, processes and literature related to the treatment, utilization, and disposal of sludge, including marine activities.
- TAR HEEL COAST. North Carolina Department of Natural and Economic Resources, Division of Marine Fisheries, P.O. Box 769, Morehead City, NC 28557. Quarterly. Free. 138
- News about marine science activities in North Carolina, with emphasis on fishing activities.
- TEXAS LAW INSTITUTE REPORTER. Texas Law Institute of Coastal and Marine Resources, College of Law, University of Houston, Houston, TX 77004. Irregular. Free. 139
- News relating to legal matters affecting the Texas coast. Announcements of meetings and publications of interest are included. The newsletter is sponsored in part by the Sea Grant Program at Texas A&M University.
- TEXAS TRAWLER. Texas A&M University, Sea Grant College Program, Ranzell Nickelson II, Seafood Technology Specialist, 354 Bizzell Hall, Texas A&M University, College Station, TX 77843. Bimonthly. Free. 140
- News about current research, laws and regulations, equipment, and meetings of interest to commercial and sports fishermen, seafood processors, and consumers.
- TRIDENT. Marine Advisory - Extension Service, Sea Grant, Humboldt State University, Arcata, CA 95521. Quarterly. Free. 141
- News about events, projects, and services of interest to local fishermen.

TRIGOM COMMUNICATIONS. TRIGOM: The Research Institute of the Gulf of Maine. 21 Vocational Drive, South Portland, ME 04106. Quarterly. Free.

142

Contains articles and news notes featuring organizations and activities of interest to coastal research and policy forming groups.

TUNA NEWSLETTER. Southwest Fisheries Center, National Marine Fisheries Service, 8604 La Jolla Shore Drive, La Jolla, CA 92038. Irregular. Free.

143

News of interest to tuna fishermen, including notes about scientific research, fisheries assessments and catches, foreign fisheries programs, Atlantic tuna programs, and publications of interest.

26°N 80°W. Dorothy H. and Lewis Rosenstiel School of Marine and Atmospheric Sciences, University of Miami, 10 Rickenbacker Causeway, Miami, FL 33149. Irregular. Free.

144

News about the marine science activities and educational programs of the school.

UNDERWATER LETTER. Callahan Publications, P.O. Box 3751, Washington, DC 20007. Three times a month. Rates upon request.

145

Reports on marine science activities, especially those of the Federal Government. Descriptions of marine research facilities are often included. A supplement, entitled "Hydrogram", contains intelligence briefings about marine scientists, new publications, new products and processes, and contract awards, and is attached to each issue.

UNITED STATES DEPARTMENT OF COMMERCE NEWS (NOAA SERIES). U.S. Department of Commerce, Washington, DC 20230. Irregular. Free.

146

Each issue consists of a single news item about a current activity of one of the major components of NOAA, which includes the Environmental Data Service, the National Ocean Survey, the National Marine Fisheries Service, the Environmental Research Laboratories, the National Weather Service, and the National Environmental Satellite Service.

UNITERRA. Division of Communications, United Nations Environment Programmes, (UNEP) P.O. Box, Nairobi, Kenya. Monthly.

147

News and reports about activities affecting the environment, including the marine environment. UNITERRA is published in English, French, and Spanish.

THE UNIVERSITY AND THE SEA. Sea Grant College Program, Texas A&M University, College Station, TX 77843. Bimonthly. Free. 148

News about marine research activities, principally those in the Gulf of Mexico. Includes information about people, publications, and meetings.

UPDATE. Teledyne Hastings-Raydist, Hampton, VA 23361. Monthly. Free. 149

News about Raydist Systems and operations.

UPWELLINGS. Michigan Sea Grant Advisory Service, 2200 Bonisteel Boulevard, University of Michigan. Bimonthly. Free. 150

Contains news about NOAA's Sea Grant activities in the Great Lakes and other news affecting the area.

URI COMMERCIAL FISHERIES NEWSLETTER. Department of Fisheries and Marine Technology, College of Resource Development, University of Rhode Island. Available through the Editor, NEMAS, University of Rhode Island, Narragansett, RI 02882. Bimonthly. Free. 151

Information on commercial fisheries in the Rhode Island waters and on marine science activities affecting the fisheries. Supported by the URI Cooperative Extension Service and URI Marine Advisory Service.

USC-IMCS. Oceanographic Associates, University of Southern California, University Park, Los Angeles, CA 90007. Bimonthly. Free. 152

News about the USC-IMCS (University of Southern California's Institute for Marine and Coastal Studies) and other news of interest to marine scientists in California.

VIRGINIA MARINE TIMES. Sea Grant Advisory Services Project, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Quarterly. Free. 153

An advisory newsletter for fisheries personnel in Virginia. Includes news about commercial fisheries activities in Virginia and national news of interest to Virginia fishermen and seafood processors.

WASHINGTON LETTER OF OCEANOGRAPHY. Sea Technology Magazine, 1117 North 19th Street, Arlington, VA 22209. Biweekly. \$32 a year. 154

News and remarks about activities of the Federal Government in marine sciences and other items of general interest.

WATER INFORMATION NEWS SERVICE. Institute of Rational Design, Inc.,
Suite 713, 1010 Vermont Avenue, NW., Washington DC 20005.
Biweekly. \$85 a year.

155

News reports relating to water resources planning, management,
development, protection, and control. Included are reports on
legislative action and special features on key people, policies,
and status of legislative actions.

WATER NEWSLETTER. Water Information Center, Inc., 7 High Street,
Huntington, NY 11743. Biweekly. United States and Canada \$48;
elsewhere \$58.

156

Information about water supply, conservation, and waste disposal.
Although not marine oriented, it includes information about marine
areas.

WOODS HOLE NOTES. Woods Hole Oceanographic Institution, Woods Hole,
MA 02543. Quarterly. Free.

157

Designed for Associates of the Institution; presents research and
activities of the Woods Hole Staff.

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