

UNITED STATES  
DEPARTMENT OF  
COMMERCE  
PUBLICATION



# NOAA Technical Memorandum EDS NODC-3

U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
Environmental Data Service

## Marine Science Newsletters—1973 an Annotated Bibliography

National  
Oceanographic  
Data Center  
WASHINGTON, D.C.

April 1973

## 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 United States 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. Price: \$3.00 paper copy; \$0.95 microfiche. Order by accession number shown in parentheses at end of each entry.

#### NOAA Technical Memoranda

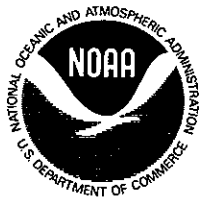
- EDS NODC 1 Literature Search for Atmospheric Humidity Profile Models From the Sea Surface to 1000 Meters. Kenneth R. Avery, February 1972. (COM-72-10598)
- EDS NODC 2 Marine Science Newsletters--An Annotated Bibliography. March 1972. (COM-72-10353)

U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
Environmental Data Service

NOAA Technical Memorandum EDS NODC-3

MARINE SCIENCE NEWSLETTERS--1973  
AN ANNOTATED BIBLIOGRAPHY

Compiled by Charlotte Ashby  
National Oceanographic Data Center



Washington, D.C.  
April 1973

UDC 019.9:551.46(26) (047)

019.9	Bibliographic catalogs or lists
551.46	Physical oceanography
(047)	Newsletters
(26)	Oceans--marine

## INTRODUCTION

In 1965, the National Oceanographic Data Center (NODC) compiled an informal paper listing 45 publications containing news about marine sciences or news of interest to marine scientists. The list was revised in 1972 (Ashby 1972).

Since the publication of the 1972 list, a number of newsletters have been discontinued and a number of new publications have appeared. The present list includes 94 newsletters, of which 34 are new. Most of the new publications result from the Sea-Grant Program (Weedman, Scott, and Bunker 1972), which has encouraged the publication of letters announcing news of interest to local fishermen. Other publications announce activities of the local Sea-Grant institutions.

Some newsletters listed are not primarily marine science-oriented; however, they include information about marine sciences either in respect to the area covered, such as the Arctic Institute of North America Newsletter, or in respect to the subject matter, such as those that relate to the environment, thus covering also the marine environment.

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 publications are available free of charge to qualified users and are cited as "free"; the criteria of qualifications are determined by the publisher.

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

Every attempt has been made to include all pertinent newsletters. Most of them are regularly received at NODC; some can be found in other libraries. If any newsletter has been overlooked, please forward a sample for review and inclusion in a future revision of this publication. Address replies to:

Archives and Records Branch  
National Oceanographic Data Center  
Environmental Data Service  
National Oceanic and Atmospheric Administration  
U.S. Department of Commerce  
Rockville, Md. 20852

### Literature Cited

Ashby, Charlotte, compiler, "Marine Science Newsletters, an Annotated Bibliography." NOAA Technical Memorandum, Environmental Data Service, National Oceanographic Data Center, 2, March 1972, 18 pp.

Weedman, Pamela K., Shirley Scott, and Ralph E. Bunker, compilers, "Sea Grant Newsletter Index, 1968-71." NOAA Technical Memorandum, Environmental Data Service, Environmental Science Information Center, 6, September 1972, 83 pp.

Part 1: Alphabetical Listing of Newsletters

AIR AND WATER NEWS. McGraw-Hill, Inc., 330 West 42d Street, 1  
New York, N.Y. 10036. Weekly. \$120 a year in the  
United States and Canada; \$140 a year elsewhere.

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.

AIR/WATER POLLUTION REPORT. Business Publishers, Inc., 2  
P.O. Box 1067, Blair Station, Silver Spring, Md.  
20910. Weekly. \$90 a year.

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. University of Alaska Sea-Grant/  
Marine Advisory Programs, 142 East Third Avenue, 3  
Anchorage, Alaska 99501. Irregular. Free.

Published for the benefit of Alaska fishermen,  
includes information about activities of commercial  
institutions and Government agencies  
concerned with the management of Alaska fisheries.  
Other items of interest are also included.

ARCTIC INSTITUTE OF NORTH AMERICA NEWSLETTER. Arctic 4  
Institute of North America, 3458 Redpath Street,  
Montreal 109, Quebec, Canada. Irregular. Free.

News about surveys, conferences, resolutions, and  
other activities pertaining to the Arctic.

AQUANOTES. Office of Sea-Grant Development, Louisiana 5  
State University, Baton Rouge, La. 70803.  
Every 2 months. Free.

Information and news about Louisiana's wetland  
resources and related activities.

BULLETIN OF DAN MOORE ACTIVITIES. North Carolina 6  
Department of Conservation and Development,  
Division of Commercial and Sports Fisheries,  
P.O. Box 338, Morehead City, N.C. 28557.  
Irregular. Free.

Reports on cruises taken or planned by the R/V  
DAN MOORE.

CLEAN AIR AND WATER NEWS. Commerce Clearing House, Inc., 7  
4025 N. Peterson Avenue, Chicago, Ill. 60646.  
Weekly. \$100 a year.

News about Federal, State, and local activities and activities of industrial concerns as they effect or relate to air and water. Marine projects and activities are included.

CLEAN SLATE. Naval Civil Engineering Laboratory, Port 8  
Hueneme, Calif. 93043. Irregular. Free.

News about the Naval Environmental Protection Data Base (NEPDB), a Navywide program to gather data showing the extent to which Navy shore facilities, aircraft, and ships affect the environment. The Naval Civil Engineering Laboratory (NCEL) is responsible for designing and implementing the program for the Navy.

CLEAN WATER REPORT. Business Publishers, Inc., P.O. 9  
Box 1067, Blair Station, Silver Spring, Md. 20910.  
Monthly. \$24 a year.

News items about conservation, desalination, waste disposal, and pollution abatement.

COAP PROGRESS. (California Comprehensive Ocean Area Plan) 10  
Department of Navigation and Ocean Development, The Resources Agency, State of California, 1416 Ninth Street, Sacramento, Calif. 95814. Monthly. Free.

News items relating to the activities of the agency and its personnel.

COASTAL RESEARCH NOTES. V.J. Henry, Skidaway Institute 11  
of Oceanography, Savannah, Ga. 31406. Three times a year. \$3 - domestic; \$4 - foreign.

News about meetings of domestic and international organizations doing research on shorelines; book and report announcements; news about people working on shoreline projects and about events affecting shorelines throughout the world.



COASTAL ZONE MANAGEMENT. Nautilus Press, Inc., National Press Building, Washington, D.C. 20004. Monthly. \$75 a year; \$135 with either Environmental Monitoring or Ocean Science News on Station. 12

News about activities relating to the coastal zone including information about relevant laws, research activities ongoing and proposed, and publications of interest.

COASTLINES. New York State Sea-Grant Editorial Office, Marine Sciences Research Center, State University of New York, Stony Brook, N.Y. 11790. Monthly. Free. 13

News about the New York State Sea-Grant program and activities of the New York State Marine Sciences Research Center.

CRWR NEWS. Center for Research in Water Resources, University of Texas at Austin, Balcones Research Center, Rt. 4, Box 189, Austin, Tex. 78757. 14

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

CUEA NEWSLETTER. CUEA National Coordination Center, Duke University Marine Laboratory, Beaufort, N.C. 28516. 15

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

ECOLOG. Logical Ecology, Inc., P.O. Box 184, Oyster Bay, N.Y. 11771. Weekly. \$200 a year. 16

News about the environment, such as pertinent laws, economics, technological breakthroughs, consultants, and Federal contracts and sources. The marine environment is included.

ENVIRONMENT REPORT. Trends Publishing, Inc., National Press Building, Washington, D.C. 20004. Twice a month. \$60 a year. 17

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, D.C. 20037. Weekly. \$280 a year. 18

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 DATA SERVICE. Environmental Data Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Rockville, Md. 20852. Every 2 months. Free. 19

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, and the National Oceanographic Data Center.

ENVIRONMENTAL MONITORING. Nautilus Press. National Press Building, Washington, D.C. 20004. Weekly. \$105 separate; \$146 with World Ecology Report; \$135 with Coastal Zone Management. 20

A fact sheet designed to supplement World Ecology Report or Coastal Zone Management. Includes information about relevant activities and events, contracts awarded or proposed, and new publications and products.

EPA CITIZEN'S BULLETIN. U.S. Environmental Protection Agency. 21  
Washington, D.C. 20460. Monthly. Free.

News about activities and events relating to and affecting the environment and methods taken to control or prevent activities harmful to the environment. The marine environment is included.

FATHOM LINE. Marine Resources Center, South Carolina Wildlife 22  
and Marine Resources Department, P.O. Box 12559,  
Charleston, S.C. 29412. Monthly. Free.

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

FISHERY INFORMATION BULLETIN. National Canners Association. 23  
1133 20th Street, NW., Washington, D.C. 20036.  
Weekly. Available to members of the Association.

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

FLORIDA CONSERVATION NEWS. Florida Department of Natural 24  
Resources, Larson Building, Tallahassee, Fla. 32304.  
Monthly. Free.

News about events relating to natural resources in Florida, their use, and their conservation. Marine-related activities predominate.

GEOSCIENCE INFORMATION SOCIETY NEWSLETTER. American 25  
Geological Institute, 2201 M Street NW., Washington,  
D.C. 20037. Irregular. Available to Society members.

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

INFORMATION BULLETIN. Pacific Science Association, 26  
Bernice P. Bishop Museum, P.O. Box 6037, Honolulu,  
Hawaii 96818. Published every 2 months. Free.

Reports on research activities and proposed activities in the Pacific area. Marine science activities are included. Symposiums and conferences are announced or reported.

- INTERFACE. Plessey Environmental System., 3939 Ruffin Road, 27  
 San Diego, Calif. 92123. Quarterly. Free.
- Reports on activities undertaken by the organization  
 in environmental sciences, including oceanography.  
 Emphasizes use of instruments developed by the Corpora-  
 tion, with special emphasis on the salinity/temperature/  
 depth device.
- INTERNATIONAL TSUNAMI INFORMATION CENTER NEWSLETTER. 28  
 International Tsunami Information Center (ITIC),  
 P.O. Box 3887, Honolulu, Hawaii 96812. Irregular.  
 Free.
- Information about tsunamis, activities of the ITIC,  
 and events affecting the Center.
- LERNER MARINE LABORATORY NEWSLETTER. Lerner Marine Laboratory, 29  
 Bimini, Bahamas. (Send requests to Office of the Deputy  
 Director for Research, American Museum of Natural History,  
 79th Street and Central Park West, New York, N.Y. 10024.)  
 Irregular. Free.
- Reports on investigations undertaken at the Laboratory,  
 activities of personnel, and visitors.
- LITTORAL LINES. Battelle Memorial Institute, 505 King Avenue, 30  
 Columbus, Ohio. 43201. Monthly. Free.
- News about research in ocean science and marine technology.  
 Includes notes about people, publications, and meetings.
- LOUISIANA COASTAL LAW. Sea-Grant Legal Program. Louisiana 31  
 State University, 340 Law Center, Baton Rouge, La.  
 70803. Irregular. Free.
- News about coastal zone management activities in Louisi-  
 ana, with emphasis on the legal uses of the coastal zone.
- MAINE STREAM. Land and Water Resources Center, University 32  
 of Maine at Orono, Orono, Maine 04473. Irregular. Free.
- News about National activities of interest to scientists  
 and activities relating to local Maine interests.

- MARIC BULLETIN. Marine Resources Information Center, Massachusetts Institute of Technology, Room 5-331, Cambridge, Mass. 02139. Every 2 months. Free. 33
- News about acquisitions, activities, and services furnished by the Center and other related information activities at the Massachusetts Institute of Technology.
- MARINE ADVISORY BULLETIN. Sea-Grant Program, Texas Agricultural Extension Service, Texas A&M University, College Station, Tex. Monthly. Free. 34
- Reports of interest to local fishermen.
- MARINE ADVISORY SERVICES REPORTER. North Carolina State University, Cooperative Extension Work in Agriculture and Home Economics, Raleigh, N.C. 27607. Quarterly. Free. 35
- Designed as a medium for those participating in Sea-Grant activities in North Carolina, to inform the coastal seafood and fisheries industries of their Sea-Grant programs and events.
- MARINE INFORMATION TRANSMITTER. MIT Sea-Grant Program, Rm. 3-282, Massachusetts Institute of Technology, Cambridge, Mass. 02139. Every 6 to 8 weeks. Free. 36
- News about marine science activities at the Massachusetts Institute of Technology and of related Sea-Grant activities.
- MARINE RESOURCE INFORMATION BULLETIN. Virginia Institute of Marine Sciences, Gloucester Point, Va. 23062. Irregular. Free. 37
- Reports on marine resources-related topics resulting from Sea-Grant project research.
- MARINE RESOURCES DIGEST/MARINE BIOLOGY DIGEST. Girard Associates, Inc., Box 404, Mt. Arlington, N.J. 07856. Monthly. \$30 a year. 38

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

MARINE TECHNOLOGY SOCIETY, LOS ANGELES REGION SECTION. 39  
Marine Technology Society, Los Angeles Section,  
P.O. Box 227, Northridge, Calif. 91325. Monthly.  
Free.

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, Calif. 92660. Irregular. 40  
Free.

Descriptive articles about current marine research programs and notes about marine science instruments.

MASCID NEWSLETTER. Marine Sciences Instrumentation Division, Instrument Society of America, Society Headquarters, 530 William Penn Place, Pittsburgh, Pa. 15219. Irregular. Free. 41

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

MML NEWSLETTER. Mote Marine Laboratory, 9501 Blind Pass Road, Sarasota, Fla. 33581. Irregular. Free. 42

Reports on activities being undertaken by the Laboratory.

MODE HOT LINE NEWS. Woods Hole Oceanographic Institution, Woods Hole, Mass. 02543. Every 2 weeks. Free to qualified users. 43

News about activities pertaining to MODE (Mid-Ocean Dynamics Experiment), one of the programs under the IDOE (International Decade of Ocean Exploration). Includes also brief articles relating to MODE,

contributed by the MODE investigators. Published by Woods Hole Oceanographic Institution, with support from the IDOE program of the National Science Foundation and the Office of Naval Research.

NAI NEWS. Normadeau Associates, Inc., 686 Mast Road, Winchester, N.H. 03102. Quarterly. Free. 44

Information about capabilities and activities of Normadean Associates in environmental research, many of which are in the marine environment.

NAUI NEWS. National Association of Underwater Instructors, Headquarters, 22809 Barton Road, Grand Terrace (Colton), Calif. 92324. Irregular. Free. 45

News about diving activities and marine science research projects of interest to divers.

NEW ENGLAND MARINE RESOURCES INFORMATION. NEMRIP (New England Marine Resources Information Program), University of Rhode Island, Narragansett Bay Campus, Narragansett, R.I. 02882. Monthly. Free. 46

News of 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, Calif. 92037. Irregular. Free. 47

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. 10 Rickenbacker Causeway, Miami, Fla. 33149. Every 2 months. 48

News about events and activities affecting beaches and shore lines, and methods taken to prevent or control erosion; also includes news about relevant meetings and publications.

NEWSLETTER. Center for Dredging Studies, Department of Civil Engineering, Texas A&M University, College Station, Tex. 77843. Irregular. Free. 49

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

NEWSLETTER. Ocean Engineering Sea-Grant Programs, Oregon State University, Corvallis, Oreg. 97331. Quarterly. Free. 50

News about programs, people, and projects at Oregon State University that pertain either to the Sea-Grant Program or to ocean engineering.

NEWSLETTER. Southern New England Marine Sciences Association. c/o Stuart O. Hale, Graduate School of Oceanography, University of Rhode Island, Kingston, R.I. 02881. Irregular. Free. 51

Activities of the Association and its members; news about other marine research activities of interest to the membership.

NEWSLETTER. Association of Sea-Grant Program Institutions Secretariat, Graduate School of Oceanography, University of Rhode Island, Kingston, R.I. 02881. Monthly. Available to Association members. 52

News about actions affecting the Sea-Grant program and about institutions involved in the program. Information about actions at the Federal level predominates.

NOAA WEEK. National Oceanic and Atmospheric Administration, U.S. Department of Commerce, Rockville, Md. 20852. Weekly. Free. 53

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



NORTH CAROLINA SEA-GRANT NEWSLETTER. Sea-Grant Program, 54  
School of Public Health, University of North Carolina,  
Chapel Hill, N.C. 27514. Monthly. Free.

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

NSIA NEWS. National Security Industrial Association, 55  
Union Trust Building, 15th and H Streets, NW.,  
Washington, D.C. 20005. Published every 2  
months. Free.

Information about OSTAC activities (Ocean Science and Technology Advisory Committee of NSIA). Most information in this newsletter is not marine-related.

OCEAN AFFAIRS LOG. Ocean Affairs Board, National Academy 56  
of Sciences, 2101 Constitution Avenue NW., Washington,  
D.C. 20418. Irregular. Free.

Successor to NASCO Notes, published by the former Committee on Oceanography of the National Academy of Sciences. Information about activities and status of oceanography in the United States.

OCEAN OIL WEEKLY REPORT. Petroleum Publishing Co., P.O. 57  
Box 1941, Houston, Tex. 77001. Weekly. \$55 a  
year in the United States; \$70 a year elsewhere.

News about explorations for petroleum in marine areas throughout the world. Current events relating to the marine environment that might affect the petroleum industry and information about Company activities.

OCEAN PRODUCT NEWS. Chandler Publishing Co., P.O. Box 58  
45037, Chicago, Ill. 60645. Quarterly. Free.

News about marine products and instruments, companies with oceanographic interests, and literature relating to companies and/or products. A request card enabling users to obtain information or literature with ease is included.

OCEAN SCIENCE NEWS (including OCEANOLOGY). Nautilus Press, Inc., National Press Building, Washington, D.C. 20004. Weekly. \$145 a year; \$188 a year with Ocean Science News On Station. 59

News about marine science activities, mainly from a political standpoint. Recently absorbed Oceanology, formerly published by Ziff-Davis Publishing Co., Inc.

OCEAN SCIENCE NEWS ON STATION. Nautilus Press, Inc., National Press Building, Washington, D.C. 20004. Weekly. \$95; \$188 with Ocean Science News. 60

A fact sheet supplementing Ocean Science News, with news about current events, company activities, contracts, publications, and products.

OCEAN SOUNDINGS. Marine Technology Society/American Society for Oceanography. 1730 M Street, NW., Washington, D.C. 20036. Monthly. Free to members. 61

Successor to American Oceanography and MTS Notes, which were merged in October 1971. Ocean Soundings includes news about the Societies and their members, and marine science activities of interest. It is especially concerned with meetings of the Societies.

OCEANIC INSTRUMENTATION REPORTER. Ocean Engineering Information Service, P.O. Box 989, La Jolla, Calif. 92036. Monthly. \$15 a year. 62

New patents for oceanic instruments. Abstracts of recent literature pertaining to oceanic instruments are also included.

OCEANOGRAPHIC NEWS FROM WASHINGTON STATE. Oceanographic Commission of Washington, 312 First Avenue North, Seattle, Wash. 98109. Irregular. Free. 63

News about marine science activities in or affecting the State.

OCEANOGRAPHY COORDINATING COMMITTEE NEWSLETTER. Technical 64  
Advisory Board, Institute of Electrical and Electronics  
Engineers (IEEE), 345 East 47th Street, New York, N.Y.  
10017. Monthly. Free.

Focuses on developments in electrical and electronics  
engineering in the ocean environment. Includes news  
about events, new products and programs, and people.  
Also includes short articles.

OSE NEWSLETTER. Ocean Science and Engineering, Inc. 65  
Three Choke Cherry Road, Rockville, Md. 20852.  
Quarterly. Free.

News about activities in ocean science and engineering.

PACIFIC NORTHWEST SEA. Oceanographic Commission of Washington, 66  
312 First Avenue North, Seattle, Wash. 98109.  
Quarterly. Free.

News about marine science activities in the State, events  
that might be of interest to local scientists, recommenda-  
tions for research projects, announcements of activities  
and forthcoming events, and news about individual scien-  
tists.

PHYCOLOGICAL NEWSLETTER. Phycological Society of America, 67  
c/o Norma J. Long, Botany Department, University of  
California, Davis, Calif. 95616. Irregular. Free.

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

QUALITY OF COASTAL WATERS PROJECT BULLETIN. Sea-Grant 68  
Program, Water Resources Research Center.  
University of Hawaii, Honolulu, Hawaii 96816.  
Monthly. Free.

Progress reports on the status of the project.

SALMON NEWSLETTER. California Department of Fish and Game, 69  
Ocean Salmon Project, P.O. Box 47, Yountsville, Calif.  
94599. Monthly. Free.

Designed for salmon fishermen of California. Includes  
information about catch statistics; programs for  
conservation; 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. 70
- Each issue contains an article relating to a current scientific or engineering project. Marine scientific projects are often covered.
- SEA GRANT NEWSLETTER. University of Hawaii, Sea-Grant Publications, Room 253, Spalding Hall, Honolulu, Hawaii 86822. Monthly. Free. 71
- News about marine science activities in Hawaii, including information about research activities, people, legislative actions, and especially the Sea-Grant program.
- SEA GRANT 70's. Sea-Grant Program Office, Texas A&M University, College Station, Tex. 77843. Monthly. Free. 72
- News about coastal zone activities and the participation of Sea-Grant offices in these activities. To date, each issue has included a bibliography either of reports pertaining to a special topic of interest to the coastal zone.
- SEAHORSE. Hydro Products, a Division of Dillingham Corporation, P.O. Box 2528, San Diego, Calif. 92112. Quarterly. Free. 73
- News about marine science activities, particularly those involving a product of the Corporation, and news about products available from the Corporation.
- S-E-A (SYSTEMS EXPERIMENTAL AQUATIC CULTURE). Aquarium Systems Inc., 33208 Lakeland Boulevard, Eastlake, Ohio 44090. Quarterly. Free. 74
- News about aquatic culture including articles, books reviews, publication announcements, and new product information.
- SOUNDINGS. Sea-Grant Extension Marine Advisory Program, Oregon State University, Corvallis, Oreg. 97331. Six times a year. Free. 75
- News about marine science activities at Oregon State University and of activities of interest to marine scientists in Oregon.

TAR HEEL COAST. North Carolina Department of Conservation and Development, P.O. Box 27687, Raleigh, N.C. 27611. Monthly. Free. 76

News about marine science activities in North Carolina, with emphasis on fishing activities.

TARHEEL OCEANOGRAPHER. Office of Marine Sciences, School of Public Health, Hobbs House, University of North Carolina, Chapel Hill, N.C. 27514. Published every 2 months. Free. 77

News about marine science activities in North Carolina.

TEXAS TRAWLER. Texas A&M University, Sea-Grant Program, Rangell Nickelson II, Seafood Technology Specialist, Faculty Mail Service, P.O. Box 155, College Station, Tex. 77843. Irregular. Free. 78

News about current research, laws and regulations, equipment, and meetings of interest to commercial and sports fishermen, seafood processors, and consumers.

THE BULLETIN. U.S. Naval Oceanographic Office, Suitland, Md. 20390. Published every 2 weeks. Free. 79

A lead article describes an important or unusual cruise taken or discovery made by the Office. The remainder relates to information about individual employees or activities affecting the employees.

THE GRAPEVINE. Geophysical Services, Inc., Address inquiries to the Editor, The Grapevine, P.O. Box 5621, M.S. 938, Dallas, Tex. 75222. Published every 2 months. Free. 80

News about company activities and personnel.

THE GREAT LAKES NEWS LETTER. Great Lakes Commission, 5104 Institute of Science and Technology Building, 2200 North Campus Boulevard, Ann Arbor, Mich. 48105. Published every 2 months. Free. 81

News about activities pertaining to the Great Lakes.

THE MARINE NEWSLETTER. Coastal Plains Center for Marine Development Services, 1518 Harbor Drive, Wilmington, N.C. 28401. Published every 2 months. Free. 82

News about marine activities of interest to or within North and South Carolina and Georgia. Information about recent publications is often included.

THE UNDERWATER LETTER. Callahan Publications, P.O. Box 3751 Washington, D.C. 20007. Three times a month. Rates upon request. 83

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

THE UNIVERSITY AND THE SEA. Texas A&M University Sea-Grant Program. W.T. Doherty Building, College Station, Tex. 77843. Every 2 months. Free. 84

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

TRIDENT. Marine Advisory Extension Service, Humboldt State College, Arcata, Calif. 95521. Quarterly. Free. 85

News about events, projects, and services of interest to local fishermen.

TRIGOM COMMUNICATIONS. TRIGOM: The Research Institute of the Gulf of Maine, 96 Falmouth Street, Portland, Me. 04103. Quarterly. Free. 86

News about activities of the institutions composing TRIGOM and other agencies of interest to the community.

26° N 80° W. Dorothy H. and Lewis Rosenstiel School of Marine and Atmospheric Sciences, University of Miami, 10 Rickenbacker Causeway, Miami, Fla. 33149. Irregular. Free. 87

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

URI COMMERCIAL FISHERIES NEWSLETTER. Department of Fisheries and Marine Technology, College of Resource Development, University of Rhode Island. Available through the Editor, NEMRIP, University of Rhode Island, Narragansett, R.I. 02882. Published every 2 months. Free. 88

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.

URI SEA GRANT ADVISORY MEMORANDUM. Marine Advisory Service, University of Rhode Island, Narragansett Bay Campus, Narragansett, R.I. 02882. Monthly. Free. 89

News of interest to local fishermen and information about activities of the marine scientists at the University of Rhode Island.

USC MARINE AFFAIRS. Sea-Grant Program, University of Southern California, University Park, Los Angeles, Calif. 90007. Monthly. Free. 90

News about Sea-Grant Programs in general and specifically the program at the University. Includes information about publications produced by the Sea-Grant Program.

UST/WASHINGTON LETTER OF OCEANOGRAPHY. Compass Publications, 1117 N. 19th Street, Arlington, Va. 22209. Published every 2 weeks. \$32 a year. 91

Prepared by the editors of Undersea Technology magazine, this newsletter includes news and remarks about activities of the Federal Government in marine sciences and other items of general interest.

WATER NEWSLETTER. Water Information Center, Inc., 44 Sintsink Drive East, Port Washington, Long Island, N.Y. 11050. Twice a month. Rates upon request. 92

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

WOODS HOLE NOTES. Woods Hole Oceanographic Institution,  
Woods Hole, Mass. 02543. Published every 2 weeks.  
Free.

93

Specializes in activities of the Woods Hole staff.  
To date, the lead article in all but one issue has  
been a biographical sketch of a staff oceanographer.

WORLD ECOLOGY 2000. Nautilus Press, Inc., National  
Press Building, Washington, D.C. 20004. Every  
2 weeks. \$90 a year; \$146 with the Environmental  
Monitor.

94

News and information about ecosystems and environ-  
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## ADDENDUM

The following newsletters were received or called to the compiler's attention when this publication was ready to go to press. They are not indexed.

COASTAL POLLUTION RESEARCH HIGHLIGHTS. Pacific Northwest Environmental Research Laboratory, Environmental Protection Agency, 200 S.W. 35th Street, Corvallis, Oreg. 97330. Irregular. Free.

News about research into cause and effects of coastal pollution and preventive measures.

HARBOR TIDES. Grays Harbor College, Aberdeen, Wash. 98520. Free.

News about or relating to commercial fishing in Grays Harbor and Willappa Harbor, Washington. The publication is part of the Sea-Grant program.

NORPAX HIGHLIGHTS. Scripps Institution of Oceanography, La Jolla, Calif. 92037. Every 2 months. Free.

News about NORPAX, the North Pacific Experiment, an IDOE (International Decade of Ocean Exploration) program to survey the large-scale oceanic atmospheric systems in the entire North Pacific. Short articles, lists of new publications, and illustrations are included.