



noaa week

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Embargo on Yellowfin Tuna Imports Is Planned

Robert W. Schoning, Director of the National Marine Fisheries Service, has announced that he intends to impose an embargo on imports of yellowfin tuna from nations whose tunaboats have taken them from the Commission Yellowfin Regulatory Area (CYRA) contrary to the conservation recommendations of the Inter-American Tropical Tuna Commission.

He also warned that if IATTC members do not set up and implement an effective enforcement regime comparable to that of the United States, NMFS will take steps leading to modification of U.S. regulations that limit U.S. tunaboat fishing in the area. These regulations remain in force at this time.

Before imposing the embargo, NMFS will for 15 days solicit additional evidence that may assist Mr. Schoning to arrive at a final determination. A final determination will be made within 30 days of publication of this announcement in the September 11 *Federal Register*.

The actions arose following a hearing held by NOAA and NMFS officials in San Diego, Calif., on August 29. Members of the U.S. tuna fleet and others presented information on violations of the IATTC recommendations by member nations. Evidence was also presented indicating that non-member nations are also fishing in the CYRA contrary to the Commission's recommendations.

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1975 NOAA Awards Luncheon Planned; Key Persons Named

Recipients of this year's NOAA Awards, EEO Awards, and Unit Citations will be honored at a luncheon at the Bolling Air Force Base Officers' Club in Washington, D.C., on Friday, October 3.

All NOAA employees and their spouses are invited. Carpooling is encouraged, and parking is available at the Base.

The entrees—broiled sirloin tip steak for \$5.00 or poached filet of haddock for \$4.50—will be accompanied by green beans almandine, parsley new potato, ased salad, rolls and butter, ice cream, and beverage. A cash-bar cocktail hour will begin at 11:30 a.m. and the luncheon at 12:30 p.m.

The following key persons have been designated to coordinate ticket sales and reservations in the various NOAA organizations. When making reservations with them, attendees must indicate a choice of entree.

- A - Paul Paradis, 189-2985
Rm. 5804, Commerce
- AD - Mary Gearhart, 146-8134
Rm. 927, WSC 5
- CZ - Audrey Primas, 140-44232
Rm. 324, Page 2
- EDS - Douglas LeComte,
140-47396
Rm. 547, Page 2
- EM - JoAnn Anderson, 146-8646
Rm. 825, WSC 5
- MR - Zeb Neugebauer, 146-8845
Rm. 1004, WSC 5
- NC - Capt. M. J. Tonkel
146-8950
Rm. 1009, WSC 5
- NESS - Alda Payne, 173-37190
Rm. 2069, FOB 4
- NMFS - Edna Ross, 140-47269
Rm. 400, Page 2
- NOS - Sandy Gulick, 146-8702
Rm. 1005, WSC 1
- NWS - Irene Driskell, 161-77698
Rm. 1411, Gramax
- PA - Lee Weiner, 146-8243
Rm. 221, WSC 5
- PB - Florence Reid, 146-8606
Rm. 224, WSC 5
- SG - Mike McKenzie, 140-44125
SG, Page 1

4 NOAAites Among 17 Selected For DOC Fellowship Program



Dr. McGovern



Mr. Friis



Mr. Ganjon



Mr. Butler

Four NOAA employees are among the 17 scientists, engineers, and technologists selected to participate in the Commerce Department's 1975-1976 Science and Technology Fellowship program. They are:

—Wesley M. Butler, Head of the System Engineering Group, Marine Data Systems Project, in the Office of the National Ocean Survey Director, in Rockville, Md.

NMFS Schedules Public Hearing On Marine Mammals

The National Marine Fisheries Service will hold an informal public hearing on October 9, in Washington, D.C., to obtain comments and views on the reissuance of general permits which allow the taking of marine mammals incidental to commercial fishing operations. General permits now in effect expire December 31.

The hearing will deal primarily with the general permit for encircling gear yellowfin tuna purse seining. Other items to be discussed include a proposed quota on the incidental take of porpoises, the observer program, and possible modification of existing regulations governing the taking of marine mammals incidental to commercial operations.

At this time, the NMFS proposes to establish a quota within a range of 50,000-110,000 as the number of porpoises that can be

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—David J. Friis, a Program Analyst in the Environmental Research Laboratories' Office of Programs, in Boulder, Colo.;

—Frederick K. Ganjon, Technical Assistant to the Director of the Chart Automation Projects Office in the Office of the NOS Director, in Rockville; and

—Dr. Wayne E. McGovern, Meteorologist/Program Analyst in the Meteorological and Hydrological Services Office of the Office of the Associate Administrator for Environmental Monitoring and Prediction, in Rockville.

The program combines intensive educational activities with actual work assignments, which are selected to provide exposure to government policy making and program management at the highest level. The participants are

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Survey Data Availability Speeded

A speed-up in the processing of land measurement data for use by engineers and surveyors has been announced by the National Geodetic Survey.

Measurements can now be transmitted from the field to a central computer at NGS headquarters in Rockville, Md., through terminals connected to telephones.

The new system is being tested in the field and it is expected that in the near future the results of field work will be available for use by local surveyors and engineers within several weeks of a project's completion. In the past, this has normally taken many months since hand

computations were necessary before the data could be checked, verified and approved for use in states and local communities.

Under the new method, upon completion of field work, all data will be stored in the central computer at Survey headquarters and will be available immediately to office personnel there for insertion into the national networks of distances and elevations maintained by NGS.

The test program is being carried out under the direction of Survey Technician Robert W. Safford, with a portable computer terminal developed by Texas Instruments.

Current Vacancies in NOAA

To insure that NOAA employees are aware of job possibilities throughout the agency, a list of current NOAA-wide vacancies is published below. Employees interested in any of the listed vacancies

should contact their servicing personnel office for information where to apply.

Announcement Number	Position Title	Grade	MLC	Location	Issue Date	Closing Date
119-76	Supv. Meteorologist	GS-14	NWS	New Orleans, La.	9/10/75	9/24/75
120-76	Electronics Engineer or Tech.	GS-12	NWS	Anchorage, Alaska	9/10/75	9/24/75
121-76	Meteorologist	GS-12	NWS	Louisville, Ky.	9/10/75	9/24/75
122-76	Electronics Tech.	GS-11	NWS	Key West, Fla.	9/10/75	9/24/75
124-76	Meteorological Tech.	GS-10	NWS	Aberdeen, S. Dak.	9/10/75	9/24/75
125-76	Meteorologist	GS-12	NWS	Cheyenne, Wyo.	9/10/75	9/24/75
126-76	Meteorologist	GS-12	NWS	Detroit, Mich.	9/10/75	9/24/75
127-76	Program Analysis Officer	GS-15	NWS	Silver Spring, Md.	9/10/75	9/24/75
128-76	Meteorologist	GS-12	NWS	Silver Spring, Md.	9/10/75	9/24/75
131-76	Oceanographer	GS-11	NMFS	Bay St. Louis, Miss.	9/12/75	9/26/75
132-76	Meteorologist	GS-13	NWS	Seattle, Wash.	9/12/75	9/26/75
133-76	Meteorological Tech.	GS-10	NWS	Philadelphia, Pa.	9/12/75	9/26/75
135-76	Supv. Oceanographer	GS-11	NOS	Seattle, Wash.	9/12/75	9/26/75
138-76	Civil Engineer	GS-12	NOS	Detroit, Mich.	9/12/75	9/26/75
140-76	Special Assistant	GS-13	HDQS	Rockville, Md.	9/12/75	9/26/75
143-76	Supv. Physical Scientist	GS-14	NWS	Suitland, Md.	9/12/75	9/26/75
144-76	Electronics Technician	GS-11	NESS	Camp Springs, Md.	9/12/75	9/26/75
123-76	Supv. Fishery Biologist	GS-15	NMFS	Washington, D.C.	9/10/75	10/1/75
129-76	General Engineer	GS-14	NWS	Silver Spring, Md.	9/10/75	10/1/75
134-76	Supv. Civil Engineer/Supv. Cartographer	GS-15	NOS	Rockville, Md.	9/12/75	10/3/75
136-76	Supv. Geodesist	GS-13	NOS	Rockville, Md.	9/12/75	10/3/75
137-76	Supv. Geodesist	GS-13	NOS	Rockville, Md.	9/12/75	10/3/75
139-76	Deputy Associate Administrator For Environmental Monitoring & Prediction	GS-18	HDQS	Rockville, Md.	9/12/75	10/3/75
141-76	Supv. Civil Engineer	GS-13	NOS	Detroit, Mich.	9/12/75	10/3/75
142-76	Supv. Electronics Engineer	GS-15	NWS	Silver Spring, Md.	9/12/75	10/3/75
130-76	Ecologist	GS-13	HDQS	Rockville, Md.	9/16/75	10/7/75

Health Benefits Information

The U.S. Civil Service Commission has scheduled a health benefits "open season" during November 15-30, 1975. During this time, eligible employees may newly enroll and employees and retirees already enrolled may change from one plan or option to another or from self-only to family coverage. Employees not wishing to make a change in enrollment need take no action during the open season.

To enroll or change enrollment, employees should complete Standard Form 2809, "Health Benefits Registration Form," and forward it to their servicing personnel offices before the November 30, 1975, cut-off date. Changes and new enrollments made during the open season will become effective the first full pay period in January 1976.

Prior to the "open season" each eligible employee will receive the following:

1. An "open season" instructions brochure.
2. Brochures for the two (2) Government-wide-plan (BRI-24, "Indemnity Benefit Plan" and BRI-25, "Service Benefit Plan").
3. Biweekly (BRI-41-212) or Monthly (BRI 41-213) "Federal Employees Health Benefits Rates," as appropriate.

Eligible employees in an area serviced by a group- or individual-practice plan should receive a brochure for each plan in their area.

In the case of employee organization plans, the Commission is responsible for mailing brochures to the members of each organization.

Each employee should have a copy of Standard Form 2809-A "The Federal Employees Health Benefits Program." This brochure will not be distributed during the "open season." If you do not already have one, it can be obtained from your servicing personnel office upon request.

Presidential Management Improvement Awards

The Department of Commerce has requested nominations for the Presidential Management Improvement Awards. These awards provide Presidential recognition to individuals and organizations that have made exceptional contributions in improving effectiveness and in reducing the costs of Government operations. Nominations may be submitted for the achievements of: (1) individual employees; (2) small working groups or teams; or (3) organizational units whose membership and size are such that total group performance represents exceptional achievement within programs, functions, or activities of vital concern to NOAA. Nominations should reflect significant contributions to management that increase productivity, render more timely services, provide better quality, or reduce the costs of an operating program.

NOAA's Selective Placement Program In Action

The Selective Placement Program for the Handicapped, a special emphasis program designed to provide handicapped individuals with equal opportunity for employment and advancement without discrimination, has experienced considerable success within NOAA. Personnel perspective would like to recognize one of NOAA's successful handicapped employees.

Roger W. Brown, an accounting clerk in the NOAA Finance Division in Rockville, Maryland, began his career in a wheelchair. Roger, a quadriplegic since a 1971 accident, has gone through extensive physical and vocational training at Woodrow Wilson Rehabilitation Center in Virginia. Roger received 18 months of training, including training in Computer Terminal Operation, at the Center and finished his program in March of 1974. Roger plans to continue with his education in the field of accounting at a local university.

Roger began his association with NOAA in April of 1974 when he was placed in the Washington Field Finance Office's Special Services Unit. As an employee of that unit, Roger is responsible for receiving and approving financial statements and has also begun work on the computer terminal. Roger has been granted extra work time on the terminal due to his excellent attendance record.

On the job, Roger moves about in a wheelchair and provides his own transportation to and from the work site in a specially equipped van which contains a Wheel-O-Vator. This device enables him to enter his van unassisted.

In May of 1974, Roger was a NOAA nominee for the Handicapped Federal Employee of the Year. He is currently the Montgomery County Vocational Rehabilitation Center's nominee to the Governor's Committee to Promote Employment of the Handicapped for the State of Maryland's "Handicapped Employee of the Year" award.



Specific information concerning nominating procedures is available from your servicing personnel offices.

Pollock Report Draws Comments From President

NOAA's Deputy Administrator, Howard W. Pollock, has received a letter from President Ford regarding Mr. Pollock's account of his recent experience in an underwater habitat. His "Reflections of a Novice Aquanaut" described the three-days he, Sen. Lowell Weicker of Connecticut, and Cong. Bill Alexander of Arkansas spent in the Perry Hydro-Lab off Freeport, the Bahamas, participating in experiments underwater by NOAA scientists.

After reading the article, the President wrote: "Lowell, Bill and you can be proud of your qualification as NOAA Aquanauts. The old athletic instincts in me are a bit envious of your experience, but my political instincts tell me to keep my feet on the ground and my head above water!"

Science, Technology Fellowship Program

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chosen for their management potential on the basis of recommendations made by their agencies.

Mr. Butler, before assuming his last position, was involved in automated systems in support of NOS and Coast and Geodetic Survey (NOS' predecessor) field and processing activities. Earlier he worked on an airborne magnetic research project at the Air Force Cambridge Research Center. He has received the Karo Award and a Commerce Silver Medal. He received his B.S. from Brigham Young University.

Mr. Friis has been assigned to work in the office of Congressman Timothy Wirth. Before joining NOAA in 1972, he was in charge of the research and development budget section at the National Aeronautics and Space Administration's Johnson Space Center in Houston. He studied industrial psychology and economics at Iowa State University.

Mr. Ganjon has been assigned

Aquaculture, Marine Research To Expand Under Sea Grant

A partnership of South Carolina agencies and universities will carry out coordinated studies on aquaculture of the giant Malaysian Prawn, coastal protection, and use of the state's shellfish resources, under a \$360,000 Sea Grant announced recently. The grant will be augmented by more than \$191,000 from non-federal sources.

South Carolina's Sea Grant Program is administered through the Marine Resources Center of the state's Wildlife and Marine Resources Department; other participants are the University of South Carolina, Clemson University, Medical College of South Carolina, College of Charleston, and Citadel Military College.

Advances in hatchery techniques pioneered in the past three years by the cooperating groups have made it possible to produce tens of thousands of

postlarval prawns at any time of year, for use in laboratory and field studies. Under the new grant, scientists at Clemson University will conduct engineering tests to determine the ideal designs of prawn-rearing tanks for efficient water circulation and waste removal. Investigators at the College of Charleston will pursue their efforts to identify and isolate the best types of algae to use in supplementing the prawn's diet.

In projects designed to increase use of the state's shellfish resources, Clemson University engineers will be developing automatic equipment for removing shrimp heads, while scientists at the Medical University of South Carolina will attempt to isolate and identify those chemicals in shrimp heads that impart the distinctive shrimp flavor.

The University of South Carolina will investigate the powers and limitations of the Atlantic States Marine Fisheries Compact as a vehicle for expanded interstate management of fisheries resources. Also, geologists from this University will conduct an inventory of erosion along the state's coastline.

NWS Adding 15 Weather Radio Stations

The National Weather Service has decided to add 15 stations, primarily to serve marine interests, to the existing 77 stations in the NOAA Weather Radio Network. Installation of these stations, scheduled for completion in early 1976, will almost complete coverage of the United States coasts.

The tentative locations for the new stations are Daytona Beach, Key West, and Tallahassee, Fla.; Morgan City, La.; Philadelphia and Pittsburgh, Pa.; Crescent City, San Luis Obispo, Santa Barbara, and Santa Rosa, Calif.; Coos Bay and Newport, Oreg.; Hoquiam, Wash.; and Traverse City and Bay City, Mich.

According to Earl W. Estelle, Acting Chief of the Public Services Branch at NWS Headquarters, subject to the availability of appropriations, the NWS plans to have a complete network of over 300 stations within the next three to four years.

to the Energy and Science Division of the office of Management and Budget. He has been involved in the coordination of the long-and short-range planning for the design and development of automated systems to support nautical and aeronautical chart production, and coordinating the transition of these systems from the Projects Office to operational status in the various NOS line organizations. Earlier he served as Chief of a Geodetic Field Party, Technical Assistant to Chief of the Satellite Triangulation Division, and as a Program Planning and Resource Management Specialist for the NOS Marine Data Systems Project. He received his B.S. and M.B.A. from the University of Maryland.

Dr. McGovern has been assigned to the Department of State Office of Environmental Affairs as Program Leader for Environmental and Climatic Programs. With NOAA since 1972, he was the initial focus within NOAA for the development of a mesoscale/severe storms meteorological experiment, and has been Executive Secretary for the Interdepartmental Committee for Applied Meteorological Research. Previously he was an Associate Professor at the University of Arizona's Institute of Atmospheric Physics, and earlier served as a Meteorologist at the National Weather Service's National Meteorological Center in Suitland, Md., and an Aerospace Technologist at Goddard Space Flight Center, Greenbelt, Md. He received his B.S.M.E. and M.S. from the Newark College of Engineering (now the New Jersey Institute for Technology) and his Ph.D. in meteorology and oceanography from New York University.

IN THE RECENTLY RELOCATED QUARTERS OF THE CORPS OF ENGINEERS FORT WORTH LAKE CONTROL UNIT, adjacent to the Fort Worth River Forecast Center, Dr. Robert A. Clark (left), National Weather Service Associate Director for Hydrology, and Bill Howard, Chief of the Lake Control Unit, discuss cooperative efforts of the two agencies in preparation of river and lake forecasts. The Lake Control Unit operates 17 Corps lakes in its District plus two other lakes for flood control only. It is also in daily contact with many other non-federal lakes because of their impact on Corps of Engineers operations.



Embargo on Yellowfin Tuna Imports Planned

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Commenting on his actions, Mr. Schoning said: "We are extremely concerned about the reports of foreign fishing and will take every action justified and permissible under the law to redress the situation. We are contacting all foreign nations—both members and non-members of the IATTC—whose boats have been fishing in the regulated area. Some have already been made, with encouraging results. We are urging them to adhere to all the recommendations of that international body and to establish effective enforcement programs.

"We are not seeking special consideration, just equal treat-

ment..." he added. He pointed out that the IATTC will meet in Paris in October and that the United States is committed to having the enforcement matter as a major topic for discussion at the meeting. "As strong as we feel about equity, we recognize the importance of the IATTC and of sound management," said Mr. Schoning. "We do not want to take any action at this time which would jeopardize either, until the severity of the problem is discussed with other nations." Member nations of the IATTC are Canada, Costa Rica, France, Japan, Mexico, Nicaragua, Panama, and the United States.

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NOAA Week reserves the right to make corrections, changes or deletions in submitted copy in conformity with the policies of the paper or the Administration.

Catherine S. Cawley, Editor
Warren W. Buck, Jr., Art Director

notes about people

Four new NOAA employees have joined the Environmental Data Services' National Oceanographic Data Center to participate in the Outer Continental Shelf Energy Program (OCSEP) of the Marine Ecosystem Analysis (MESA) Project:

Michael Crane, who was formerly with the Naval Oceanographic Office, will be stationed in Anchorage, Alaska, to work with principal investigators and ensure the orderly flow of data from the field to the OCSEP archive.

John Audet, formerly with the Office of Naval Research, will be the Washington, D.C.-based EDS project manager for OCSEP. He will coordinate the data flow from the field to the archive, and ensure efficient dissemination of data and data products to users.

Peter Topoly, formerly of the Naval Oceanographic Office, and **Gary Falk**, previously of the Marine Branch of the EDS National Geophysical and Solar-Terrestrial Data Center, will be processing

data and preparing data products from the multidisciplinary OCSEP data base.

Susan M. Godfrey of Raleigh, N.C., has completed her fourth summer as a student trainee in the Junior Fellowship Program and returned as a senior mathematics major to North Carolina State University. While with the Environmental Applications Branch of ERL's Meteorology and Assessment Division supporting EPA's Environmental Research Center in Research Triangle Park, N.C., she has completed a modeling study to examine the detection of violations of air quality standards in the vicinity of a single plant with various sampling station networks.



Ms. Godfrey

A DEPARTMENT OF COMMERCE BRONZE MEDAL was presented recently to **Freel M. Hubbard** (right), Personnel Management Specialist at the Northwest Administrative Service Office in Seattle, Wash., by NOAA's Assistant Administrator for Administration, **Theodore P. Gleiter**. Mr. Hubbard was cited for his "dedicated and effective service which has added to the professionalism of personnel management."



Hearing on Marine Mammals Scheduled

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killed incidental to the fishing operations if the general permit is reissued.

If a quota is adopted, the exact number will be determined by the NMFS Director, based on the comments and views presented at the hearing and written comments submitted to NMFS. The quota would be fixed on a basis that the allowable kill will, with reasonable assurance, enable the principal stocks of porpoises to increase in size.

The NMFS also proposes to have a full observer program during the coming fishing season if the Marine Mammal Protection Act is appropriately amended and if funds and manpower are available. It is emphasized that the establishment of a quota and use of a full observer program are only proposals at this time and adoption of these measures is entirely contingent upon a full

examination of all pertinent considerations at the public hearing.

The NMFS Director will amend existing regulations governing the incidental taking of marine mammals in connection with fishing operations if the general permits are reissued for the 1976 fishing season and if appropriate justification is developed.

Copies of the proposed changes are available from the Office of Marine Mammals and Endangered Species, NMFS, in Washington, D.C. (202-634-7529).

Written comments pertaining to any aspects of the hearing for inclusion in the official hearing record may be submitted to the NMFS Director by October 24.

Notice of the hearing and details of the proposed changes were published in the *Federal Register* on September 8, 1975.

Adirondack Mountains Being Surveyed

The National Geodetic Survey is conducting a geodetic survey along a 165-mile route in upstate New York to determine if the Adirondack Mountains are rising or falling.

The survey, extending from Malone to Utica, is being carried out by the NGS in cooperation with New York State. The 15-man field party headed by James W. Taylor will re-measure

more than 165 elevations along the route for comparison with elevations from a 1931 survey to determine if the mountains have moved vertically.

The 1931 survey of elevations was carried out along then-existing railroad lines from Malone to Utica via Owls Head, Rainbow Lake, Tupper Lake and Old Forge.

calendar of events

- September 25-27 First Annual Meeting, Midwestern Region, American Geophysical Union. (Cynthia Beadling, AGU, 1909 K St., N.W., Washington, D.C. 20006. 202-331-0370).
- October 1-3 Seminar on Marine Instrumentation and Applications in the Coastal Zone. Co-sponsored by National Oceanographic Instrumentation Center and Charles County Community College, La Plata, Md. (Eugene M. Russin, NOIC, Code C6311, Bldg. 160, Room 102, Washington Navy Yard Annex, Rockville, Md. 20852. 202-426-9075, or Thomas Poe, CCCC, Estuarine Resource Technology, Biology Department, P.O. Box 910, La Plata, Md. 20646. 301-934-2251, Ext. 77.)
- October 2-4 National Conference on Marine Recreation, sponsored by NOAA in cooperation with the University of Southern California Sea Grant Institutional Program. (See item on page 1, of July 11, 1975, issue of NOAA Week.) (Susan H. Anderson, Conference Coordinator, Sea Grant Institutional Program, University of Southern California, 4676 Admiralty Way # 1102, Marina Del Rey, Calif. 90291. 213-822-1648).
- October 6-9 Third International Biennial Meeting of Estuarine Research Federation. (Prof. Jerome Williams, Environmental Sciences Dept., U.S. Naval Academy, Stop 8c, Annapolis, Md. 21402. 301-267-3561.)
- October 9-10 Twenty-Second Pacific Northwest Regional Meeting of American Physical Union. Deadline for receipt of abstracts is September 19. (Stephen D. Malone, Geophysics AK-50, University of Washington, Seattle, Wash. 98195. 206-543-7010.)
- October 14-15 International Conference on Aquaculture Nutrition. Sponsored by the University of Delaware Sea Grant Program in cooperation with the U.S./Japan Aquaculture Panel. (Dr. Kent S. Price, Associate Dean and Director, Lewes Marine Studies Center, University of Delaware, Lewes, Del. 19958. 302-645-6674).
- October 26-30 International Conference on Technology Assessment, "Man and the Ocean." Sponsored by the International Society for Technology Assessment (ISTA) and the European Oceanic Association (Eurocean). (Dr. Kenneth Craver, Conference Chairman (US), 314-694-3403; or Dr. Vary Coates, Executive Vice President (ISTA), 202-676-7576).
- November 3-4-5 "Man and the Atlantic Continental Shelf" I. The Middle Atlantic Continental Shelf and York Bight. Co-sponsored by American Society of Limnology and Oceanography; Chesapeake Bay Institute, The Johns Hopkins University; Marine EcoSystems Analysis Program, New York Bight Project, NOAA; and New York Sea Grant Institute. (Dr. M. Grant Gross, Director, Chesapeake Bay Institute, The Johns Hopkins University, Baltimore, Md. 21218. 301-366-3300).
- November 10-11-12 "Man and the Atlantic Continental Shelf" II. The Effects of Energy-Related Activities on the Atlantic Continental Shelf. Co-sponsored by Energy Research and Development Administration; Brookhaven National Laboratory; Marine Sciences Research Center of the State University of New York; and Marine Technology Society, New York Section. (Dr. J. R. Schubel, Director, Marine Sciences Research Center, South Campus, J. Building, State University of New York at Stony Brook, Stony Brook, N.Y. 11794. 516-246-7710).



National Oceanic and Atmospheric Administration

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