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New Federal Program Will Assist Fisheries

A sweeping, long-term program to conserve and develop the Nation's marine fisheries has been announced by Secretary of Commerce Elliot L. Richardson.

The program, unique in the history of U.S. fishery management, is designed to bring a major national resource to a new state of health and productivity, and to benefit consumers and industry in the process.

Secretary Richardson, hailing the comprehensive plan, indicated that it had come at a vital time.

Warning that overfishing off U.S. coasts has seriously depleted approximately 20 species and threatened others, Secretary Richardson said, "we cannot permit the depletion of fish stocks and the destruction of fish habitats to continue. We must learn to manage this resource...and we must do it in ways compatible with the Nation's need to develop other valuable uses of the ocean."

The program has four major goals: to restore and rationally use important fisheries, to develop and maintain a healthy commercial fishing industry, to improve marine recreational fishing, and to ensure adequate consumer supplies of wholesome seafood.

The program will go into effect gradually over the next five years. NOAA's National Marine Fisheries Service will take the lead in carrying it out, with major roles to be played also by the Coast Guard, Departments of State and Interior, the Environmental Protection Agency, the States, and regional organizations.

The effort was announced as legislation providing a 200-mile fishing limit, officially known as the Fisheries Conservation and Management Act of 1976, approached its effective date of March, 1977. Then, the U.S. will manage approximately one-tenth of the world's fish supply; the program is designed in part to facilitate that task. The Federal government will act in partnership with the coastal states and the Regional Fisheries Management Councils which were established under the Act.

The paramount concern is the preservation and enhancement of fish stocks, some of which have declined drastically in recent years.

To meet this concern the Department will integrate its management efforts, give all possible
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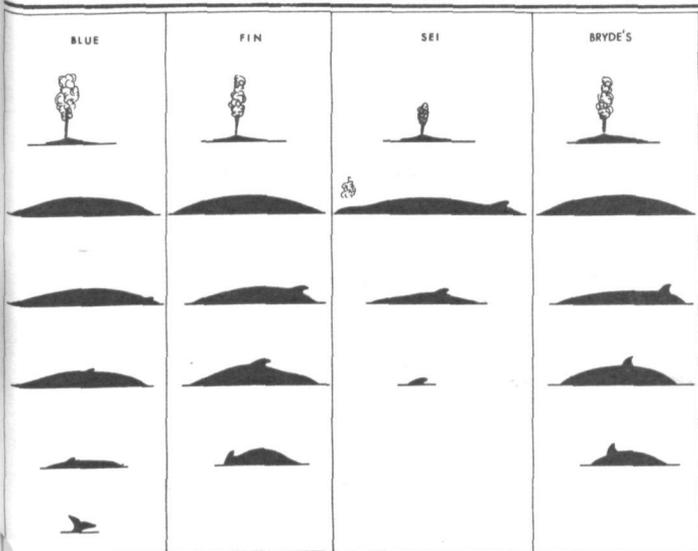
Wisconsin Grant Totals \$502,000

The State of Wisconsin will apply final touches on its coastal management program, possibly within the next 12 months, with the help of a recent grant of \$502,000 from NOAA.

The grant will enable Wisconsin to complete three important tasks in developing a program for achieving optimum shoreline use: analyzing citizens' views (and those of public officials) on how the coast should be managed; incorporating the views into a viable, comprehensive program; and, initiating several projects to test the value of coastal management techniques.

When completed, the Wisconsin program will serve as a master plan toward guiding future uses of the coast for such competing purposes as housing, transportation, recreation, offshore energy production, and others; purposes which officials declare contribute to high lake levels, shoreline erosion, beach access and power plant siting problems, as well as fishing disputes and potential lake pollution.

According to Wisconsin officials, the coastal program will take another year to develop and will represent years of study and public discussion of existing
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"Swimming, blowing, and diving characteristics of blue, fin, sei, and Bryde's whales." An illustration from NMFS's new guide.

Field Guide Helps Identify Whales, Dolphins, Porpoise

A field guide to help identify whales, dolphins, and porpoises in the western North Atlantic has been published by the National Marine Fisheries Service.

"Whales, Dolphins and Porpoises of the Western North Atlantic: A Guide to Their Identification" also includes those animals found in the Caribbean Sea, Gulf of Mexico and the eastern coastal waters of the United States and Canada.

While the 176-page volume is intended as an aid to identifying living animals at sea, it also is expected to assist in the reporting of stranded specimens, a major source of material for museums. Appendices describe how and to whom data on live or dead whales, dolphins, and porpoises should be reported.

Photographs of the animals in their natural environment, supplemented by drawings and descriptions or tables distinguishing the most similar species, form the core of the guide.

Following the summary accounts of the species are five appendices covering tags and markings; how to record and report

observations at sea; strandings and handling; forms and instructions for measurements; and institutions for information and for reporting strandings.

Also included is a bibliography of useful references on cetaceans in general and cetaceans of this region in particular, as well as a directory of species explanations.

The NOAA Technical Report NMFS Circular 396, Catalog # C-55.13, is for sale at \$2.45 each by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.



Had yours? George Smidt of NOAA's World Weather Program Office received his Swine Influenza Vaccine from Department of Commerce Doctor Paul Selfon this week along with many others at Administration headquarters.

New Fisheries Program

(Continued from page 1)

assistance to the Regional Councils, establish a permit and fee system for foreign fishermen, develop enforcement procedures, participate in negotiations with foreign governments, and step up research.

The total impact of commercial and recreational fisheries is estimated at about \$10 billion in annual economic activity. The Commerce Department expects the new program eventually to boost this figure by another \$1.5 billion.

Management of resources is only the starting point. The program will seek legislative change to bring fuller coverage of marine fisheries values in environmental decisions, initiate closer environmental review procedures, increase habitat research, cooperate with other agencies toward habitat protection, and assure that plans made under the Coastal Zone Management Act adequately consider living marine resources.

Working with industry and regional advisory groups, the Department will design programs for development of a selected number of fisheries. It will investigate ways to strengthen the ability of private industry to grow on a self-generating, self-sustaining basis. It will seek re-legislation of the Fisheries Loan Fund and use other governmental devices for encouraging private capital to finance and build ships.

The Nation's 30 million marine recreational fishermen, who caught approximately 1.6 billion pounds of fish in 1970, will receive substantial consideration. Their interests will be taken into account in fisheries stock assessment and research programs, in the review of management plans, in the operation of the Coastal Zone Management Act, and in surveys on which further plans can be based.

Existing aquaculture research and development efforts by the

National Marine Fisheries Service and the National Sea Grant Program will be increased, with a view to providing a better basis for industry operations, for accelerating the application of research results, and attacking long-range physical problems of currently-farmed fish and shellfish.

Finally, the Department, already busily involved in fish product safety and quality control, will refine procedures, support legislation and programs to protect stocks from chemical pollution, and carry out a national campaign to inform consumers and industry about the factors affecting safety and quality, and of the meaning of Federal identifying marks.

The program will bring a moderate increase in Commerce Department expenditures. In Fiscal Year 1976, the Department spent approximately \$76 million on fisheries management and related activities; this year, with the extension of U.S. fisheries jurisdiction, approximately \$100 million is contemplated. Costs are expected to be offset to some degree by fees paid to the general treasury by owners and operators of foreign fishing vessels for permits to catch fish within the 200-mile conservation zone.

Secretary Richardson characterized the program as "only a beginning." Noting that its execution will require careful thought and hard work, he said the Commerce Department will look to the Regional Fishery Management Councils, state governments, the commercial fishing industry, recreational fishermen, scientists, conservationists, environmental organizations and others for advice and assistance.

Copies of the report, "A Marine Fisheries Program For The Nation," may be obtained from the National Marine Fisheries Service, Washington, D.C. 20235.

ACSM/ASP Convention-Goers See Pacific Marine Center

The Pacific Marine Center hosted tours of the NOAA Ship Fairweather and PMC Processing Division during the Fall Convention of the American Congress on Surveying and Mapping and the American Society of Photogrammetry held in Seattle September 28 through October 1, 1976.

National Ocean Survey personnel involved in the ACSM meet-

ing included Capt. L. S. Baker, Director, National Geodetic Survey, who is also President of ACSM this year; R. H. Meyer, PMC Technical Assistant, who was the convention Deputy Chairman for the ACSM Technical Program; and NGS mark maintenance personnel, J. T. Stapleton and F. A. Martin, both of whom manned an exhibit booth jointly sponsored by PMC and NGS.



James T. Stapleton (middle) and Floyd A. Martin (right) manned the PMC/NGS booth at the Fall Convention of the American Congress on Surveying and Mapping and the American Society of Photogrammetry.

National Water Quality Workshop Set

A National Water Quality Workshop, sponsored by the National Marine Fisheries Service and the U.S. Fish and Wildlife Service's Fish Farming Experimental Station, will be held February 2, 1977, in New Orleans, La.,

The workshop will take place during the Commercial Fish Farmers Showcase, the annual convention and trade show of the Catfish Farmers of America.

Water quality in both fresh and brackish water is the highlight of the workshop chaired by Harry K. Dupree, Director of the Fish Farming Experimental Station at Stuttgart, Ark., and keynoted by William H. Stevenson, NMFS Director of the Southeast Region, at St. Petersburg, Fla.

Outstanding specialists in the water quality field of aquaculture will moderate each topic session, which includes EPA Discharge Criteria, Recycling Fresh Water, Recycling Brackish Water, and Water Quality Management.



Attending the Weather Radar Course held September 28 - October 21 at the NWS Technical Training Center were (seated left to right) John R. Clark, Raleigh, N.C.; Verdin E. Liddell, Rapid City, S. Dak.; Clinnie V. Brown, Stephenville, Tex.; Willard W. Patterson, Corpus Christi, Tex.; James H. Harmon, Jr., Fort Smith, Ark.; Raymond D. Erven, Auburn, Wash.; (standing left to right) Joel R. Wertman, Instructor; Kenneth R. Glodo, Omaha, Nebr.; Barry W. Satchwell, Charleston, W. Va.; George D. Curtis, Alpena, Mich.; Lynn P. Maximuk, Cleveland, Ohio; Robert Grebe, Senior Instructor; David E. Harmon, Abilene, Tex.; Charles E. Francisco, Waterloo, Iowa.

noaa week

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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.

Warren W. Buck, Jr., Art Director

Voluntary Action Group Offers National Award

The National Center for Voluntary Action has invited NOAA to submit nominations for the 1976 National Volunteer Activist Awards. Nominations may be submitted for groups or individuals who have worked in original ways to solve community problems through voluntary action. From these nominations, winners are chosen and sent a citation. Approximately ten National winners, either groups or individuals, are selected from the nominations. National winners will be announced during National Volunteer Week, April 24-30, 1977, and will be invited to Washington, D.C., and New York City for a series of events scheduled in their honor. NOAA's Personnel Division has set rules for nominations to all Primary Organization Elements.

Washington State's CZM Program To Undergo Public Examination

The Nation's first and only approved coastal management program, developed by Washington State, will undergo an examination this month by State and Federal officials at a public meeting November 23 in Seattle.

As part of the approval of the State's program, NOAA and the Washington Department of Ecology jointly agreed that State and Federal officials should meet twice during the first year to discuss implementation efforts and other activities conducted since approval in June. The initial meeting will focus on progress of the administration of the program, and feature group discussions on Federal-State relations, State-local relations, and technical program elements.

Time has been scheduled for public comment on the Washington program.

Federal and State officials hope that comments derived from the meeting will enable Washington to better direct its efforts by understanding perceived needs and problems.

Washington's program is a comprehensive statement of policies, goals, and standards for guiding public and private uses of the lands and waters in the coastal zone. In June, NOAA awarded Washington \$2 million in program implementation funds, which the State supplemented with \$1 million in matching funds.

NMFS Study Will Assist Fish Buyers

The National Marine Fisheries Service is moving towards bringing order out of confusion at local fish markets to make fish identification easier.

From a marketing viewpoint, NMFS has learned, many seafood names are often misleading and fail to provide consumers with the basic information they need to make a wise purchase. With hundreds of different commercial species and an enormous variety of seafood products such as fish sticks, fish cakes, pates, and the like available worldwide, confusion is widespread.

The Fisheries Service is implementing a recommended long-range effort to develop a national retail identification system for fishery products; to find and standardize acceptable market names for use by consumers, industry and regulatory agencies.

The first step will be carried out by Brand Group, Inc., of Chicago, a marketing research firm. Under a \$59,150 contract, characteristics such as taste, smell, quality, and appeal will be identified for commercial finfish.

A chart listing the species of fish and their characteristics will be developed to permit a comparison of traits. Fish with similar features will be grouped accordingly.

Representative groups of similar fish will then be selected from the sorting study, and a model retail identification plan will be developed. Between 150 and 200 finfish and a sampling of shellfish will be included. Representatives of consumer groups, industry, and regulatory agencies will be shown the model plan and asked to evaluate and comment on it.

Requiring three to five years to complete, the effort is based on recommendations included in a 1975 feasibility study, "Retail Identification Plans for Fishery Products."

Wisconsin Grant

(Continued from page 1) management methods and whether they need improving. Officials anticipate that the program will be presented to the Governor next summer, and then to NOAA for approval.

State officials indicate that the Wisconsin program will advocate strengthening state/local government relations, so that communities have authority for local land and water use management; preserving special or unique coastal geographic areas; and, properly managing key land and water uses which have a direct and significant coastal impact.

NOAA Publishes Marine Minerals Workshop Results

A broad-scale look at the problems inherent in marine minerals development and suggestions on ways to overcome them are contained in the proceedings of a Marine Minerals Workshop recently published by NOAA.

Eighty experts from industry, government, higher education, and the public met in the three-day workshop earlier this year to pool ideas on future directions of marine hard minerals development.

Sponsored by NOAA's Office of Marine Minerals, the workshop brought together for the first time a large group of experts to define the critical problems in this field and draw up recommendations for government and industry to follow in reaching solutions.

Four groups of commodities were analyzed at the meeting: manganese nodules; sand, gravel, and shell; phosphorite and hard rock and marine placers. Each was looked at from the viewpoints of environmental considerations, legal and economic constraints, resource research and assessment, and technology.

Single copies of the proceedings can be obtained from the Office of Marine Minerals, National Oceanic and Atmospheric Administration, 6010 Executive Blvd., Rockville, Md. 20852, and additional copies can be obtained from the National Technical Information Service, U.S. Department of Commerce, Sills Bldg., 5285 Port Royal Road, Springfield, Va. 22151.



National Weather Service Western Regional Director Hazen H. Hedke (left) recently presented a Bronze Medal Award citation to Frank Nishimoto of the Weather Service Forecast Office, Portland, Ore., for his outstanding performance over a long period of time.



Atlantic Marine Center Director, R. Adm. Robert C. Munson (center) recently boarded the NOAA Ship George B. Kelez to present the Award to the officer and crew for superior performance on the MESA New York Bight Project. (NOAA Week, June 25, 1976) Accepting on the ship's behalf is her CO, Lt. Cdr. John DeCoste (right) and Executive Officer, Lt. Cdr. Michael Kawka.

notes about people

Dr. John Apel, Director of the ERL Pacific Marine Environmental Laboratory in Seattle, Wash., has been selected as a member of a group of 15 researchers to visit Novosibirsk in the Soviet Union in December. The group will study oceanic internal waves under the aegis of the United States-Soviet Union Exchange Program.

Daniel J. Twohig, Electronics Technician at the Northwest and Alaska Fisheries Center, has been named the first recipient of the NMFS Outstanding Employee of the Year Award. Mr. Twohig was recognized for his contributions to electronic and hydroacoustic systems design and development research. His most recent accomplishment has been acquisition, modification, and refinement of a computerized hydroacoustic data collection and processing system to be used aboard research vessels.

A Bronze Medal was awarded recently to Marvin Hofer of the San Francisco Weather Service Forecast Office. Mr. Hofer was cited for his outstanding performance over a long period of time in the station's marine program.

Dr. Rudolf Pueschel, a physicist with the ERL Atmospheric Physics and Chemistry Laboratory, will visit West Germany, Libya, Jordan, Saudi Arabia, Sudan, Ethiopia, and Kenya to advise meteorological services in those nations on the establishment of stations for monitoring aerosols and atmospheric chemistry components. He will also attend the World Meteorological Organization Advisory Committee meeting in Nairobi, Kenya, and another WMO meeting on baseline-sizing criteria in Mainz, West Germany.

Dr. Donald C. Malins, Director of the Division of Environmental Conservation at the Northwest and Alaska Fisheries Center in Seattle, Wash., has been awarded the degree of Doctor of Science from the University of Aberdeen



Members of the Weather Service Operations class held at the NWS Technical Training Center September 28 - October 21, were (seated left to right) Marvin O. Hill, Columbus, Ohio; Robert L. Wieder, LaCrosse, Wisc.; Robert J. Drummond, Bismarck, N. Dak.; Raymond J. Edwards, Stratford, Conn.; Juan D. Leon Guerrero, Agana, Guam; James W. Boyd, Jr., San Angelo, Tex.; Michael M. Carbone, Rochester, N.Y.; Bernard L. Killion, Salem, Oreg.; (standing left to right) Jim Wantz, Instructor; Robert L. Cameron, Los Angeles, Calif.; Marvin D. Petersen, Concordia, Kans.; John K. Newton, Apalachicola, Fla.; John F. Loveless, Jr., Anchorage, Alaska; Harold Lewis, Flint, Mich.; Donald R. Baer, Victoria, Tex.; Robert K. Belesky, Cincinnati, Ohio; Paul W. Kane, Jr., Pocatello, Idaho; Michael E. Coffin, Instructor.

in Scotland. The DSc is the highest degree awarded by the Science Faculty. The award was given in recognition of Dr. Malins' fundamental and applied research during the past 20 years on the biochemistry of marine organisms.

Doyle Cook has been selected as Meteorologist in Charge of the Weather Service Forecast Office at Charleston, W.Va. Cook joined the Weather Service in 1956 at Pittsburgh, Pa. He transferred to Louisville, Ky., in 1957. From 1966 to 1970 he was Agricultural Advisory Meteorologist for Kentucky at the University of Kentucky in Lexington. He moved back to Louisville in 1970, becoming Principal Assistant at the newly-established WSFO in 1972.



Mr. Cook



Dedication ceremonies for a new network radar were held October 8 in the Weather Service Office, Fargo, N. Dak. Among those attending were (from left) Dr. George P. Cressman, Director of the National Weather Service; Congressman Mark Andrews of North Dakota; and Vern Hendrickson, Meteorologist in Charge of the station.

calendar of events

December 6-10 American Geophysical Union Fall Annual Meeting (AGU Meetings Manager; 202-331-0370)
San Francisco, Calif.

December 9-10 Conference on Marine Resources of the Coastal Plains States, sponsored by the Coastal Plains Marine Center in cooperation with Virginia, North Carolina, South Carolina, Georgia, and Florida. (Philip G. Hill, Coordinator, Coastal Plains Center for Marine Development Services, 1518 Harbour Drive, Wilmington, N.C. 28401. 919-791-6432.)
Jacksonville, Fla.

December 10-17 International Symposium on Land Subsidence, sponsored by International Association of Hydrological Sciences. Arnold I. Johnson, President, International Commission on Subsurface Water, International Association of Hydrological Sciences, U.S. Geological Survey, National Center, MS 417, Reston, Va., 22092. FTS: 928-6931, Comm: 703-860-6931.)
Anaheim, Calif.

Feb. 27-March 5, 1977 American Society of Photogrammetry and Washington, D.C. American Congress on Surveying and Mapping Convention: Theme, "Modern Land Data Systems - A National Objective." (Frank Wobber, Publicity Chairperson, 14 Goshen Court, Gaithersburg, Md. 20760.)

May 10-13, 1977 20th Conference on Great Lakes Research, sponsored by the International Association for Great Lakes Research; co-hosts: Great Lakes Environmental Research Laboratory of NOAA and the University of Michigan. (Dr. Andrew Robertson, Coordinator, Great Lakes Environmental Research Laboratory, NOAA, 2300 Washtenaw Ave., Ann Arbor, Mich. 48104.)



National Oceanic and Atmospheric Administration

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