



noaa week

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August 24, 1973

Astronauts, Fishermen, Scientists Complete Investigation

NOAA Officials Address NACOA At Meeting in Boulder, Colo.

Members of the President's National Advisory Committee on Oceans and Atmosphere met at the Environmental Research Laboratories in Boulder, Colo., on August 20. The 25-member committee includes representatives of industry, science, and state and local governments appointed by the President when the group was formed in August 1971 to undertake a continuing review of the progress of the nation's marine and atmospheric science and service program. Following a committee discussion on government reorganization affecting marine and atmospheric affairs, the national committee members were welcomed by Dr. Robert M. White, NOAA Administrator, and heard presentations by Dr. Wilmot N. Hess, Director of NOAA's Environmental Research Laboratories, and several laboratory directors--Dr. Joseph Smagorinsky, of the Geophysical Fluid Dynamics Laboratory, Princeton, N.J.; Dr. Lester Machta, of the Air Resources Laboratories, Silver Spring, Md.; Dr. Edwin Kessler, of the National Severe Storms Laboratory, Norman, Okla.; and Dr. C. Gordon Little, of the Wave Propagation Laboratory, in Boulder. Robert Morris, associate director for Marine Sciences of the Environmental Data Service, also addressed the committee.

Comments Invited on Fisheries Financial Assistance Programs

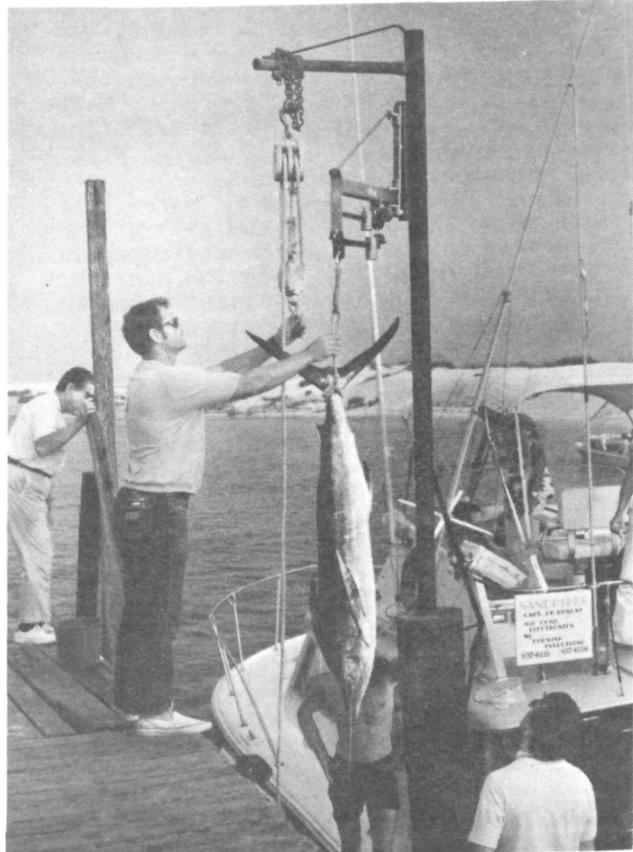
NOAA is inviting comments from State agencies, public and private organizations, as well as interested private citizens, regarding new proposed policies related to Federal fisheries financial assistance programs, which are administered by the National Marine Fisheries Service. NMFS Director Robert W. Schoning said the comments are invited pursuant to the Service's responsibilities to assure that all administered financial assistance programs are management consistent with the wise use, and conservation of our fisheries resources. A formal announcement of the invitation for comments was published in the Federal Register July 31, 1973. A major concern of NMFS is the increasing number of vessels being added to fisheries in which there is already an ample number of vessels to harvest the available catch. However, the Service is also cognizant of fishermen's need to modernize their vessels.

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An historic "first" in marine scientific circles--combining the extensive data collecting capabilities of sea-surface platforms, sensor-equipped aircraft, and two satellites, along with more than 550 sport-fishermen aboard 138 boats participating in a gamefish tournament--took place early this month in the northeastern Gulf of Mexico.

At the finish of the two-day field activity, fishermen had boated a total of 33 potential trophy billfish, dolphin, and wahoo, and the scientists had reached their goal--they had acquired a data base upon which to test the relationship between gamefish and their environment, and they now expect to be able to ascertain which gamefish environmental characteristics of the ocean can be observed from remote sensing aircraft and satellite platforms.

The scientific aspects of the activity
(Continued on page 6)



NMFS Biologist Dr. Luis Rivas (left), Superintendent of Biological Recordings and Procedures, stands by as a local Destin, Fla., resident weighs a white marlin (about 50 pounds) entry in the tournament.

NMFS Fisheries Center Forecasts Fair to Good 1973 Tuna Catch

West coast commercial tuna fishermen are expected to take about 75 percent of the U.S. albacore ("white meat" tuna) catch in waters north of San Francisco during the 1973 season, the National Marine Fisheries Service estimates. The 1973 outlook for the fishery is termed "fair to good."

The forecast relates the north-south distribution of the fishery with oceanographic conditions, meteorological data, and fishing results from offshore waters. Advance knowledge of where the fish are likely to be located is important to the fishermen in making tactical decisions which can be extremely important economically. The forecasting group, headed by Dr. Michael Laurs, investigated west coast waters in the spring in advance of the annual eastern migration of albacore.

July catches in the albacore sport fishery in southern California waters were poor, but the outlook, according to Dr. Laurs, appears more favorable as the season progresses. Traditionally, albacore catches are made off California, Oregon, Washington, Baja California, and British Columbia (Canada) from July through October.

The NMFS Fisheries Center at La Jolla, Calif., has issued the albacore tuna forecasts since 1960. The work of the NMFS forecasting group was expanded in 1971 and 1972, when collaborative research studies were established with the American Fishermen's Research Foundation. Data on catch and effort are also provided through the cooperation of the States of Oregon, Washington, and California. NOAA's Sea Grant program, through the Pacific Marine Fisheries Commission, provides funds to the States to assist in the collection of catch statistics. Among the goals of the 1973 studies are investigations of marine environmental factors that could influence the migration and early season distribution of albacore in the offshore and nearshore regions.

In addition to the NOAA Ship David Starr Jordan, 12 commercial fishing vessels chartered by AFRF are taking part in the operation, which includes fishery-oceanography, conventional tagging, and tracking of albacore by use of ultra-sonic equipment.

Throughout the albacore fishing season, the NMFS Fisheries Center at La Jolla transmits radio reports on weather, water temperatures, and fishing conditions twice daily. The weather data are compiled at the National Weather Service facilities at San Francisco. The Fisheries Center also issues regular albacore advisories to commercial and sport fishermen, fish buyers, and fish processors.

Joseph L. Schwarz Dies

Joseph L. Schwarz, former Production Specialist in the Reproduction Division of the National Ocean Survey's Office of Aeronautical Charting and Cartography, died on August 11 in Washington, D.C. He had retired in 1972, after 30 years' Government service. He is survived by seven children and four grandchildren.

Central Region Names Proenza Special Services Meteorologist

Xavier William Proenza has been named Special Services Meteorologist in the Meteorological Services Division at the National Weather Service Central Region Headquarters in Kansas City, Mo. He will be the focal point for Agriculture, Fire-Weather, and Marine services in the Region.



Assigned to NWS Headquarters in Silver Spring, Md., since 1971, he served first as Assistant to the National Program Leader of the Environmental Quality Weather Service (Air Pollution and Fire Weather Programs), Weather Analysis and Prediction Division, and for the past five months was Acting National Program Leader. He served earlier in Atlanta and Columbus, Ga.; Huntsville, Ala.; and the Research Flight Facility and National Hurricane Center in Miami. He received his degree in Meteorology from Florida State University.

NASO Orientation Includes Tours Of NOAA Seattle Area Facilities

A one-day orientation was held recently by the Northwest Administrative Service Office in Seattle, Wash., to present, primarily to summer employees, an overview of NOAA, including some of the programs of the National Marine Fisheries Service and the National Ocean Survey facilities in the area. Tours of the Pacific Marine Center and laboratories of the Northwest Fisheries Center were included in the program, which was planned, coordinated, and conducted by NASO Administrative Intern Candace Turner, assisted by Administrative Intern Randolph S. Cross.



The group, shown after touring the NOAA Ship Oceanographer, included (front row, from left) Lily Sapigao, Ann Dow, Cheryl Menefee, Catherine Felton, Sukhinder Sandhu, Joyce Yamada, Gail Siani, Cheryl Morisake, Rosario Almachar, (second row, from left) Gary Chin, Marilyn Kalamas (hidden), Michelle fields, Barbara Robinson, Karen Keith, Debbie Armstrong, Jon Matsushita, (back row, from left) Chris Frazier, Mark Aratani, Alfreda Lanier, Philip Werdal, Tim Chestnut, Tracy Collier, and (not in photo) Philip Numoto.

Dr. Robert Cohen Is Selected For NSF Solar Energy Task Force

Dr. Robert Cohen, a Physicist with the Environmental Research Laboratories in Boulder, Colo., has been selected as a member of the National Science Foundation's Solar Energy Task Force in Washington, D.C. During this two-year assignment, he will help in providing the geophysical data requirements for solar-energy applications. The scientific and engineering task force is part of NSF's Research Applied to National Needs (RANN) program.

In 1956, Dr. Cohen joined the National Bureau of Standards' Central Radio Propagation Laboratory, part of which subsequently became NOAA's Aeronomy Laboratory. In 1965, he was named a consultant to the Aeronomy Laboratory. He was an experimental researcher on ionospheric scatter propagation in South America and spent the international geophysical year, 1962-63, at the Jicamarca Radio Observatory near Lima, Peru. Since 1970, he has made a study of energy conservation, specifically researching the geophysical data requirements for solar-energy applications. He graduated from Wayne University; obtained his M.S. from the University of Michigan; and received his Ph.D. degree in radio wave propagation from Cornell University.

Lt. Cdr. North is AMC Processing Division Chief



Lieutenant Commander C. Dale North is the new Chief of the Processing Division at the National Ocean Survey's Atlantic Marine Center in Norfolk, Va. A commissioned officer since 1966, his earlier assignments were aboard the NOAA ships Wainwright, Hilgard, Rude, Heck, Peirce and Whiting.

Burton D. Goldenberg Fills NWS Environmental Quality Post

Burton D. Goldenberg has been named Program Leader, Environmental Quality Weather Services, in the National Weather Service Office of Meteorological Operation's Weather Analysis and Prediction Division in Silver Spring, Md. For the past five years, he has



been Chief of the Rawinsonde Section in the NWS Data Acquisition Division.

He received a bachelor's degree in meteorology from City College of New York and began his Weather Service career in 1959 as a Meteorologist, Flight Advisory Weather Service, in Minneapolis, Minn. He subsequently served as Engineer Officer, U.S. Army; Meteorologist at the Weather Bureau Airport Station in Newark, N.J.; Meteorologist in Charge at Wilkes Station, Antarctica; Executive Officer at Resolute Bay, Northwest Territory; and Staff Specialist, Upper Air, in the Data Acquisition Division.

NCC Implements Reorganization Plan

During July, the Environmental Data Service's National Climatic Center in Asheville, N.C., implemented its NOAA-approved reorganization plan. The restructuring is designed to simplify internal coordination and data handling, improve user services, and increase internal efficiency.

In addition to other changes, the reorganization realigns the two former operational divisions into four divisions: A Data Operations Division, Automatic Data Processing Services Division, Climatological Analysis Division, and an Information Services Division.

NMFS Center Directors and Washington Office Staff Members Meet in Miami, Fla.



A highlight of the recent meeting in Miami, Fla., of National Marine Fisheries Service Center Directors and members of the Washington Office NMFS staff was a discussion of future plans of NMFS and NOAA by Robert W. Schoning, Director of NMFS. Participants were: (front row, from left) Kenneth Sherman, Washington, D.C.; Dr. William A. Smoker, Auke Bay, Alaska; Dr. William F. Royce, Washington, D.C.; Fred Brooks, Washington, D.C.; A. J. Sparks, Galveston, Tex.; Dr. Isadore Barrett, La Jolla, Calif.; Mrs. Mary H. Thompson, Miami, Fla.; Joseph W. Angelovic, Washington, D.C.; Dr. Richard Hennemuth, Woods Hole, Mass.; (back row, from left) Harvey R. Bullis, Jr., Miami, Fla.; Kenneth Goodwin, Washington, D.C.; Robert Scott, Washington, D.C.; Mr. Schoning; Dr. Brian J. Rothschild, La Jolla, Calif.; Dr. Carl J. Sindermann, Highlands, N.J.; Dr. Theodore Rice, Beaufort, N.C.; Norm Abramson, Tiburon, Calif.; Robert Temple, Galveston, Tex.; Dr. Lee Alverson, Seattle, Wash.; Dr. Robert Edwards, Woods Hole, Mass.; and Dale Sorland, Washington, D.C.

Federal Unionism

In the past ten years labor relations in the Federal service has grown to major proportions. The latest statistics released by the Civil Service Commission show 1,082,587 employees organized. This is 55 percent of the total Federal work force.

The past year shows a growth of only 2 percent, a marked slowdown from the annual 5 to 8 percent growth of previous years. This does not necessarily mean that union organizing is approaching the maximum available. A review of union activity shows a trend from intensified organizing toward consolidation of gains through negotiated agreements. These agreements now number 1,896 and extend from local to nationwide coverage.

Further signs of union sophistication are the extensions of employee representation to matters of grievances and arbitration, filing of unfair labor practices with the Assistant Secretary of Labor, greater use of the multi-unit agreement concept as a negotiating device, appearances before the Federal Labor Relations Council on interpretation problems, and establishment of national consultation rights. Executive Order 11491, as now amended, has afforded unions all of these means to better represent employee interests.

There are 5,235 (38 percent) NOAA employees organized by unions, and 3,954 of these are covered by negotiated agreements. Within the DOC population of 10,604 union organized employees, NOAA has the greatest number, approaching almost 50 percent of the DOC total.

Periodically the Executive Order governing labor-management relations is scheduled for review. Historically following such a review there have been analyses of the resultant recommendations followed by a revision of the governing Executive Order. Such a review is due in the very near future.

Executive Development

In cooperation with a major Presidential priority to improve the management of the Executive Branch of the Federal government, Dr. Robert M. White, NOAA Administrator, has established the NOAA Executive Manpower Resources Board. This Board, which is responsible for executive development in NOAA, recently approved a program designed to:

- develop present executives;
- identify and develop potential executives; and
- provide a pool of highly qualified executive replacements.

As a first step, executives and selected GS-15's or NOAA Corps Captains with high executive potential will be enrolled in the program. In the near future other potential candidates from

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Administrative Fellows



(From left: Mr. T.P. Gleiter, Mr. Aaron Woodard, Mrs. Dorothy Burke, and Mr. William C. George, Jr.)

Mr. T. P. Gleiter extended congratulations to Mrs. Dorothy Burke, Budget Analyst, and Mr. Aaron Woodard, Program Analyst, who recently graduated from the Administrative Fellowship Program. Mrs. Burke has accepted a position in the Office of Programs and Budget, and Mr. Woodard has accepted a position in the Management Information Center, OCMCS Office of Administration.

Upon entering the Administrative Fellowship Program in May 1972, Mrs. Burke was employed in Environmental Research Laboratories. To provide an overview of the management/administrative activities in NOAA, her initial training period was spent touring NOAA elements for brief orientations of their missions. The orientation was followed by appropriate rotational assignments, especially in the area where the target position was located, the Office of Programs and Budget.

Mr. Woodard entered the Fellowship Program in May 1972 from the National Environmental Satellite Service. His orientation period included visits to the Personnel Division, Finance Division, Office of Programs and Budget, Administrative Operations Division, NOS, NWS, and other NOAA elements. A comprehensive series of course work and appropriate rotational assignments in NOAA offices concluded Mr. Woodard's year as an Administrative Fellow.

Procurement Field Career Management

The Career Management Program for the Procurement Field will become operational on October 12, 1973. After that date, vacancy announcements will not, for the most part, be issued to publicize positions available in either of the following fields: Contract and Procurement (GS-1102 series), and Purchasing (GS-1105 series). Announcements may be issued in cases where the Career Management Program does not provide sufficient candidates.

Interested employees must be registered in this program to receive promotional

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Elmer Neumann Award Presented



Mr. and Mrs. Elmer G. Neumann

Named for him in recognition of his outstanding record as the former NOAA Chief of Labor Relations, Elmer Neumann accepted this first Award from Mr. Albert Cohen who made the presentation for AFGE local 2703.

Dr. White, on behalf of NOAA and Major Travis, National AFGE Vice President, on behalf of the National Office, each marked the occasion by brief comments recognizing and affirming the outstanding relationship that has prevailed in NOAA labor-management cooperation. Mr. Neumann's acceptance of the honor was witnessed by Mrs. Neumann and NOAA employees assembled for the ceremony.

The main hallway of Building 5, WSC, 9th floor, is the site of the commemorative plaque upon which inscriptions will be entered to record future recipients.

Conceived by the American Federation of Government Employees, Local 2703, the Elmer G. Neumann Award was installed in the formal ceremony on August 1. As presented, the Award will be given annually to the NOAA employee who is outstanding in his or her efforts to further positive labor-management relations.

Executive Development (Continued from page 4)

the middle management level may be added at GS-14 and GS-13 grade levels or at the rank of Commander and Lt. Commander.

Participants in the program will be subject to mobility assignments and other types of training and developmental experiences. Potential candidates must be nominated by their supervisors, recommended by their Primary Organizational Elements, and selected by the Executive Manpower Resources Board. About 100 executives and 200 potential executives are expected to enter the program this year.

Additional information about this program is available from NOAA Circular 73-92 or your servicing personnel office.

Summer Employees

Ms. Pat Barr and Mr. Charles Dorsey, Personnel Division Counselors, have coordinated and carried out NOAA's summer employee training program for Washington area youths. They have provided career and educational counseling and have resolved difficulties among the 175 summer employees in the Washington Metropolitan Area. Many meetings, seminars, personal conferences and tours were conducted to provide guidance for the summer employees in field activities as well as the Washington area.

The photograph below illustrates a sampling of NOAA's college summer employees who attended a program at the Department of Commerce, introduced by Secretary Frederick B. Dent. The program consisted of other interesting speakers and topics on the role of the Department of Commerce: Dr. R. S. Landry on the Economic Dilemma; Mr. Mark Evans on Our Free Enterprise Business System; Dr. J. D. DeForest on the Environmental Problem; Mr. T. H. Dobbin on International Trade and the U.S.; Mr. A. A. Stephenson on Minority Business Enterprise; and Mr. H. B. Turner on the Federal Government and the Department of Commerce. The speakers were challenged with provocative questions from the summer employees.



Procurement Field (Continued from page 4)

and other career-oriented considerations in these fields in NOAA and throughout the Department of Commerce. It is suggested that employees in the Procurement Clerical Field (GS-1106 series) also register for this program. Employees in other lines of work who are eligible for and interested in the Procurement Fields mentioned above should also register for the program. Registration forms are available from servicing personnel offices.

Frederick L. Crosby Named MIC at Tampa, Fla., WSO

Frederick L. Crosby has been selected to head the National Weather Service Office at Tampa, Fla., replacing the late Wendell A.

Porth, who had been head of the office since 1971.

Mr. Crosby has been Principal Assistant at the Lakeland State-Federal Agricultural Weather Service Office for the last year and a half. He acquired his background of 14 years in public weather services at Jacksonville, Fla.; Memphis, Tenn.; Jackson, Miss.; and Griffin, Ga., following meteorological duty in the U.S. Air Force.



Mr. Crosby

A graduate of Florida State University, he has done graduate work at FSU and at Rutgers University.

NOS Releases Chart Distribution Figure

During the 1973 fiscal year which ended June 30, the National Ocean Survey's Distribution Division distributed 52,159,500 nautical and aeronautical charts and publications, an increase of 3,343,000 since the 1970 fiscal year. Morris R. Jones is Chief of the Division, which has about 90 permanent employees.

Technology Center Participates In Gloucester Celebration



"Fish Hors d'Oeuvres of the Future" was the theme of a recent event sponsored by the Gloucester Fisheries Commission. The National Marine Fisheries Service Atlantic Fishery Products Technology Center prepared and served breaded squid, marinated squid, and fish cakes made from minced fish. Approximately 400 portions were served to local residents and tourists from all over the country who were visiting Gloucester during its 350th anniversary celebration as a fishing port. Manning the booth when this photo was taken were Research Chemist Joseph Mandelsohn (in white chef's hat), and (partly obscured on his right) Biological Aids Mary Haskins and Mary Ann Perry and Secretary Mary Tysver.

Astronauts, Fishermen, Scientists Complete Investigation

(Continued from page 1)

were under the joint sponsorship of NOAA and the National Aeronautics and Space Administration. NOAA's Principal Investigator was William H. Stevenson, chief of the National Marine Fisheries Service Engineering Laboratory at the Mississippi Test Facility in Bay St. Louis. He is Manager of the NMFS Southeast Fisheries Center Remote Sensing Program and also Principal Investigator of the NMFS Skylab Gamefish Project.

"This NOAA-NASA investigation was a most impressive demonstration of many diverse groups working cooperatively toward a common scientific goal," Mr. Stevenson said. Terming the mission a "near-perfect exercise," he said that every detail of the program was "in place and on schedule, 'doing its thing,' including the fish."

NMFS directed and coordinated the work of the anglers, who kept careful records of all fish sighted, hooked, and caught. The Oregon II stood by on the fishing grounds, operating as mothership and floating laboratory for the fleet; the George M. Bowers and the Kingfish II collected oceanographic data in company with the five chartered research boats. The environmental satellite NOAA-2 scanned the region twice daily from an altitude of 900 miles.

NASA directed the activities of the Skylab astronauts, Alan L. Bean, Jack R.

Lousma, and Owen K. Garriott, who concentrated the advanced sensors of Skylab's Earth Resources Experiments Package on the 3,600 square-mile triangle of the Gulf where the fishing and research vessels were, as Skylab passed over the area.

The Earth Resources Laboratory of NASA's Johnson Space Center operated two aircraft which employed an array of cameras and other sensors much like those carried by Skylab to monitor the site from the relatively close ranges of 10,000 and 20,000 feet overhead. The ERL also directed the activities of its surface vessel, The ERL, which functioned as the "hub boat" and maintained radio contact with all members of the fishing and research fleet. The Marshall Space Flight Center provided extensive laboratory and field-site support. These NASA units operate from the Mississippi Test Facility.

A U.S. Navy plane also flew over the flotilla at some 2,000 feet above the water and took oceanographic readings at the sea surface.

Six fishing clubs and charterboat associations headquartered in Alabama, Florida, and Louisiana coordinated the volunteer fishing program.

First, second, and third place winners in the tournament will receive their awards at a banquet to be held by the Pensacola Big Game Fishing Club on September 15.

Sea-Surface Temperature Data Obtained by NOAA-2 Available

Magnetic tapes of sea-surface temperature observations taken by the NOAA-2 polar-orbiting environmental satellite are now available from the Environmental Data Service's National Climatic Center. Each of the seven tracks, 556 bytes per inch, binary mode tapes covers one month from December 1972 to March 1973. The tapes contain data on position, time, and temperature in degrees Kelvin, as well as reference information. Each tape has been checked for data content and tape quality by the National Environmental Satellite Service, which controls the satellite through its command and data acquisition stations at Wallops, Va., and Gilmore Creek, Alaska. NESS also processes the satellite data on its CDC 6600 computer in Suitland, Md., then forwards the tapes for archival to the NCC.

In the future, NCC will receive one NESS archive tape each month of NOAA-2 sea surface temperature data within 30 days of the month of data collection. Duplicate copies of these tapes are available from NCC at \$60 per tape, or selected data can be extracted and furnished at cost. Estimates of these costs will be made on request.

Comments Invited (Continued from page 1)

Mr. Schoning said he hopes that a broad range of information related to fisheries resources will be submitted for consideration and evaluation in relation to fisheries financing activities. He said that environmental and biological data as well as economic, social, and legal information must be evaluated in forming new policies. In addition, matters related to international fishery agreements to which the U.S. is a party must be considered along with State fishery management regulations.

NMFS is striving to carry out a dual responsibility of assisting the U.S. fishing industry in producing quality products while conserving the fisheries resources from too much fishing. He pointed out that the best possible performance of these duties is of concern to the fishing industry, as well as to the entire Nation. Also concerned are international organizations charged with the conservation and management of worldwide fisheries resources.

Certain provisions of the Federal Ship Financing Act of 1972 and the NMFS-administered Capital Construction Fund program are of particular interest to the fishing industry. Under the Ship Financing Act, NMFS can now provide lenders a much more attractive service fully guaranteeing obligations incurred by fishermen to help finance or refinance up to 75 percent of the cost of constructing, reconstructing, or reconditioning commercial fishing vessels. The Capital Construction Fund program, on the other hand, allows deferment of taxes on certain income from commercial fishing operations when such income is deposited in a special fund with the intention of using it for constructing, acquiring, or reconstructing a commercial fishing vessel.

notes about people

Robert W. Knecht, Director of NOAA's Office of Coastal Environment; Captain Kenneth A. MacDonald, Director of the Lake Survey Center; and Dr. Arthur P. Pinsak, Chief of the LSC Water Characteristics Branch, attended the quarterly Great Lakes Basin Commission meeting at St. Clair, Mich., August 16-17. Under the Water Resources Planning Act, the Commission plans and coordinates water and land related work done by Federal and state agencies in the Great Lakes basin. At the meeting, Mr. Knecht presented the status of NOAA's new Coastal Zone Management program and the impact the program might have on the Great Lakes states and the work of the Commission.

Frederick O. Diercks, Associate Director, Aeronautical Charting and Cartography, National Ocean Survey, has been named Chairman of the U.S. Delegation to the Seventh United Nations Regional Cartographic Conference for Asia and the Far East, scheduled to be held in Tokyo October 15-27.

Carmen R. Johnson, physical scientist at the Environmental Data Service's National Oceanographic Data Center, has received a plaque from the Escuela de Cadetes, Cartagena, Colombia, and a silver key chain from the Instituto del Mar del Peru, Punta Callao, Peru, in recognition of her services to these developing countries in the field of oceanography. Ms. Johnson recently completed follow-up visits to these countries participating in the UNESCO-sponsored Agency for International Development training program at NODC in Ocean Data Management. The purpose of her visits was to evaluate results of training in terms of impact on national marine programs and to provide assistance in the establishment and operation of a National Data Center for Oceanography.

George S. Stephenson, Chief, Substation Management Section of the National Weather Service's Data Acquisition Division, Office of Meteorological Operations, since 1971, has accepted a one-year assignment for the World Meteorological Organization in Cyprus. He will begin work in Cyprus in early September as an Expert in Station Network and Instruments.



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recipe of the week

As suggested by a NOAA employee, beginning this week, the Recipe of the Week will be printed to fit in a three-by-five-inch card file box.



Fish-Vegetable Casserole With Corn Chips

- 1 pound fish fillets,
fresh or frozen
- 1 can (10-1/2 ounce) condensed
cream of celery soup
- 1 package (10 ounce) frozen peas,
thawed
- 1 can (2 ounce) mushroom stems
and pieces, undrained,
(optional)
- 1/2 teaspoon onion salt
- 3 cups corn chips

Thaw fish; cut into 1-inch pieces. Combine soup, peas, mushrooms (if used), and onion salt in saucepan; stir. Heat until bubbly. Stir in fish. Spread 2 cups corn chips over bottom of shallow 1-1/2 quart casserole. Spoon fish mixture over chips; stand remaining chips around edge of casserole. Bake in moderate oven, 350° F., 25 to 30 minutes or until hot and bubbly around edges and fish flakes easily when tested with a fork.

Makes 4 servings.

John J. Murray Receives Commerce Bronze Medal



John J. Murray, Safety Officer in the Extension Division of the National Marine Fisheries Service Northeast Region, Gloucester, Mass., has received a Department of Commerce Bronze Medal "in recognition of outstanding contributions to and superior leadership in the field of fishing vessel safety." The Medal was presented to Mr. Murray (left), who has retired after 28 years' service, by the Northeast Regional Director, Russell T. Norris.

Commander Reinke Named Davidson Exec.

Commander Leland L. Reinke is the new Executive Officer of the NOAA Ship Davidson, which is engaged in hydrographic surveys in Alaskan waters. A commissioned officer for the past ten years, he previously served aboard the Pathfinder and Lester Jones; as Acting Chief of the Pacific Tide Party; Chief of an air photo mission; and Chief of the Flight Operations Group at the National Ocean Survey's Coastal Mapping Division in Rockville, Md.



NOAA Mixed Tenpin League To Resume

The NOAA Mixed Tenpin League will resume its recreational activities beginning at 6 p.m., Monday, September 10, 1973, at Brunswick River Bowl, 5225 River Road, Bethesda, Md. The league needs individual bowlers and substitutes. Further information can be obtained from Commander Andreasen (IDS Code 146-8616) or Ms. Linda Fisher (IDS Code 146-8141). A pre-season meeting will be held August 29, 1 p.m., Room 416, Building 5, Rockville, Md.

Items to be considered for publication in NOAA WEEK should be submitted to:
Office of Public Affairs, NOAA, Room 221, Bldg. 5, Rockville, Md. 20852. Phone (301) 496-8243.

National Oceanic and Atmospheric Administration

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