



D 822

# NOAA WEEK

U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration

## Peterson Announces Program To Save Porpoises

### 1972 Combined Federal Campaign Launched by Commerce Secretary

Launching the 1972-73 Combined Federal Campaign, in the Washington, D. C., area, Secretary of Commerce Peter G. Peterson, Department Campaign Chairman, urged all employees to give the campaign their full support:



"The voluntary agencies of the Combined Federal Campaign alleviate suffering, seek cures for illness, guide the youth, provide assistance for the aged, feed the hungry, and bring new hope to victims of sudden tragedy.

"The combined campaign in the Department affords us the opportunity to demonstrate our personal concern for people in need.

"I feel confident that each of us in Commerce will respond generously to this plea for help and make this campaign another overwhelming success."

Secretary of Commerce Peter G. Peterson yesterday announced a program designed to save porpoises from accidental death in the nets of the United States' tuna fleet.

"When one porpoise dies in a tuna net, that is one death too many," Secretary Peterson said. He added: "Enactment of the Marine Mammals Protection Act places in the Department of Commerce's keeping the protection of this magnificent mammal as well as other important species whose preservation I regard as absolutely essential.

"With President Nixon's support," he continued, "we have launched a research effort that should give us fresh insights both into porpoise behavior and into new methods of tuna fishing. Immediate action will include encouraging all tuna fishermen to use the latest methods and equipment, including a fine mesh panel in nets."

The Secretary issued the report of a committee headed by Dr. Dayton L. Alverson, Director of the National Marine Fisheries Service's Northwest Fisheries Center. The committee, reporting to the Secretary through Dr. Robert M. White, NOAA Administrator, recommended an intensive effort to save the marine mammals.

About half of the nation's yellowfin tuna catch is taken by seeking out schools of porpoise, which travel in tight association with tuna. Schools are encircled with the large purse seines, and, as the nets are drawn together, porpoises on or near the surface can become entangled in the nets and drown.

The committee, Secretary Peterson said, found that approximately 315,000 porpoises died in tuna nets in 1970 and 205,000 in 1971. It is, however, impossible to conclude from these figures whether the porpoise population is or is not being seriously affected by the tuna fisheries, he said.

He pointed out that whether or not the accidental kill materially affects the overall population, the Commerce Department is committed to the conviction that it must be brought as close and as quickly as possible to zero.

Many techniques for saving porpoise have been tried. In 1970 Harold Medina,

## Satellite Launch Is Successful

The NOAA-2 operational environmental spacecraft was launched at 2:19 p.m. EDT, October 15, from the Western Test Range in California. Its orbit is circular, with an apogee of 785 nautical miles, a perigee of 782 nautical miles, and a drift of two minutes per year. NASA and NOAA's National Environmental Satellite Service are in the process of checking out the spacecraft's sensors. To date, their checks indicate that the scanning radiometers, vertical temperature profile radiometers, and the solar proton monitors are operating normally; the very high resolution radiometers will be checked next week. It is expected that the satellite will be turned over to NOAA for operational use during the first week of November.

## Sea Grant Institutions Meet; Give Award to Dr. Spilhaus

Howard W. Pollock, NOAA Deputy Administrator, was the special banquet speaker at the fifth annual meeting of the Association of Sea Grant Institutions, Oct. 10-12, in Houston, Texas.

Hosted by Texas A&M University, the meeting attracted about 200 representatives of educational, research, and professional institutions and government agencies from 27 states.

Another highlight of the Association conference was the presentation of the National Sea Grant Award to Athelstan Spilhaus, often called the "father of Sea Grant." It was Dr. Spilhaus who, as early as 1963, recognized the need for educational institutions dedicated to the advancement of ocean technology and conservation and management of the nation's marine resources similar to the land-grant colleges established in 1865 for the development of the nation's agricultural and engineering components.

His idea became a reality in September 1971, when Secretary of Commerce Stans designated Oregon State University, the University of Washington, the University of Rhode Island and Texas A&M University as Sea Grant Colleges in recognition of their sustained excellence in marine research, education and advisory services. This year, Secretary Peterson designated the Universities of Hawaii and Wisconsin Sea Grant Colleges.

"Deepwater Terminals" was one of several vital issues discussed during the three-day gathering. Other topics were "Aquaculture: Farming of the Sea;" "Industry: A Working Partner and A Silent Partner;" "Industry--Innovative Opportunities;" "Waste Disposal;" "Coastal Zone Management and Planning;" and "NOAA's Advisory Network."

## Scientists Visit Soviet Ocean Projects

Dr. William F. Royce, NMFS Associate Director for Resource Research, and Dr. Feodor Ostapoff, Director of the Sea Air Interaction Laboratory at Miami, have just returned from a three-week visit to the major oceanographic institutions of the U.S.S.R. They were members of a group of eight U.S. scientists headed by Dr. William Nierenberg, Director of the Scripps Institution of Oceanography and Chairman of the National Advisory Committee on Oceans and Atmosphere. The group visited the Hydrometeorological Service, Institute of Oceanology, Arctic and Antarctic Research Institute, the Hydrographic Service, Institute of Arctic Geology, Institute of Geology, Central Research Institution of Marine Fisheries and Oceanography, Institute of Acoustics, and offshore oil-drilling operations in the Caspian Sea.

## NMFS Appoints Howard Schuck To Manage MARMAP Program

Howard A. Schuck has been appointed manager of the Fisheries Service's MARMAP



(Marine Resources Monitoring, Assessment, and Prediction) program.

Mr. Schuck comes to NMFS from Anchorage, Alaska, where he served as manager of the Grumman Ecosystems Corporation. Before that he directed north-

ern resources research at the University of Alberta, Edmonton, Canada, where he was responsible for evaluation of alternative methods of development of the Canadian Arctic. He also served as a systems analyst to the International Biological Program Canadian High Arctic Project, studying effects of commercial activity on Arctic tundra ecology.

From 1944 to 1952, Mr. Schuck served as a marine fisheries biologist with the Interior Department's Fish and Wildlife Service in Boston and Woods Hole, Mass. He began his professional career as a fisheries biologist with the New York Conservation Department.

## Administration Divisions Reorganized

An Office of Management and Computer Systems was established this week under the Assistant Administrator for Administration. The functions, personnel, and other resources of the Systems Development Project, the Management Systems Division, and the Computer Division were transferred to that office.

Acting heads of the major organization components of the Office of Management and Computer Systems are: Acting Director - Mirco P. Snidero; Acting Deputy Director - Francis J. Balint; Acting Chief, Management Information Center - Bruce J. MacGill; Acting Chief, ADP Management and Planning Division - Francis J. Balint; Acting Chief, Management Analysis Division - vacant; Acting Chief, Systems and Applications Division - A. Newton Page; Acting Chief, Telecommunications Management and Planning Division - Arthur R. Cooke; and Acting Chief, Facility Operations Division - Wallace H. Blackwell, Jr.

## Revised "Climate of Maine" Published

The "Climate of Maine," in the "Climates of the States" series, has been revised and reprinted. Robert E. Lautzenheiser, National Weather Service Climatologist for Northern and Central New England, furnished a greatly expanded and more useful freeze data table and a mean seasonal snowfall chart. The bibliography has also been augmented and reorganized.

## VHF Weather Radio Broadcasts Dedicated at Denver, Sacramento



At the Denver VHF Dedication Ceremony, from left, Norman Prosser; Marshall Grace; Robert G. Beebe; Dr. Wood, Colorado Department of Health (Air Pollution Control Division); Marge Partington, representing Senator Dominick; and M.M. Martin, Regional Director, FAA.

The sixtieth National Weather Service continuous transmission weather radio station was dedicated at Denver, Colo., Sept 28. Denver Meteorologist in Charge Marshall F. Grace, Principal Assistant Norman Prosser, and R.G. Beebe, Central Region User Services Representative, participated in the dedication ceremonies, which were attended by representatives of Senator Peter Dominick, Governor John A. Love, other government agencies, and the news media.



The Sacramento, Calif. Weather Service Office held an open house in conjunction with the September dedication of its continuous weather broadcast station. At the open house-dedication, from left: Gordon Rasmussen, television meteorologist; Robert Burnash, Hydrologist in Charge, Sacramento River Forecast Center; Norman Benes, Principal Assistant, Sacramento WSO; and Carlton, Moore, State Boating Safety Education Officer.

## M. Grant Gross Named To Head Oceanographic Services Division

Dr. M. Grant Gross, formerly Acting Director of the Marine Sciences Research Center and professor of oceanography at the State University of New York, Stony Brook, is now chief of the Oceanographic Services Division in the Office of Environmental Monitoring and Prediction.



His responsibilities include development of ocean monitoring programs to improve services and warnings of hazardous conditions and to assess pollution and other ocean constituents. He will also carry out NOAA's Federal coordinating functions related to ocean services, such as those for the Interagency Committee for Marine Environmental Prediction and for United States participation in the Integrated Global Ocean Station System.

Born in Childress, Texas, in 1933, he attended Princeton University, receiving a bachelor's degree in geology in 1954. He then studied at the Technical University at Delft, Holland, for one year under a Fulbright scholarship. After service in the U.S. Army, he did graduate work in geology and geochemistry at the California Institute of Technology, earning his master's degree in 1959 and doctorate in 1961.

Dr. Gross taught oceanography at the University of Washington from 1961 to 1966, first as an assistant professor and later as associate professor. In 1966, he became associate curator of sedimentology at the Smithsonian Institution, a joint appointment with the University of Washington.

In 1968, Dr. Gross joined the SUNY Marine Sciences Research Center at Stony Brook as research oceanographer and associate professor of oceanography. He was named Associate Director of the Center and professor of oceanography in 1970, and in this position developed long-term research programs in oceanography for the State University of New York. He also taught graduate courses and carried out research on solid wastes in coastal waters. In 1972, until his NOAA appointment, he served as Acting Director of the Center.

## Montana-Wyoming Survey Completed

The National Geodetic Survey has completed a six-month, 486-mile geodetic traverse survey extending through Wyoming and Montana. The project, part of a long-range geodetic program to upgrade the national horizontal network of geographic positions, was conducted by a 16-man NGS field party headed by Woodrow M. Johnson of Seattle, Wash.

## NOAA Corps Has 339 Officers, Largest Number in Its History

During this 55th anniversary year, the NOAA commissioned corps reached its greatest strength of 339 active duty officers on June 30. Of these, 263 were serving with the National Ocean Survey, the great majority aboard NOAA ships. The remainder were assigned as follows: Environmental Research Laboratories, 25; Officer Training Class, 16; Director, NOAA Corps, eight; Office of Marine Resources, six; National Weather Service and Office of Environmental Monitoring and Prediction, five each; Office of Administrator, four; Special Assignments, NOAA Headquarters, three; National Marine Fisheries Service, two; and National Environmental Satellite Service and the Sea Grant Program, one each. The corps consisted on June 30 of five rear admirals, 24 captains, 44 commanders, 40 lieutenant commanders, 55 lieutenants, 115 lieutenants (junior grade), and 56 ensigns.

## Stephen Powell Is NASO Legal Advisor

Stephen J. Powell, staff attorney in NOAA's Office of General Counsel, is now staff legal advisor to the Director of the Northwest Administrative Service Office, Seattle, furnishing legal advice to all NOAA components in the western states. Before joining NOAA in July, Mr. Powell served for five years on the United States Air Force Judge Advocate Staff, with assignments at Fairbanks, Alaska, Andrews Air Force Base, Maryland, and the Pentagon in Washington, D.C.

## JORDAN Begins Pacific Fisheries Survey

The NOAA-NMFS research vessel JORDAN left San Diego on Sept. 25, to begin a survey of two million square miles of the northeast Pacific. The voyage, the third in the California Cooperative Fishery Investigation (CalCOFI), is in cooperation with the Scripps Institution of Oceanography R/V AGASSIZ. Surveys will center on investigations of the biological and physical oceanography of the northeast Pacific Ocean during seasonal migrations of albacore and bluefin tuna in North American coastal waters. A second objective is to secure a better definition of the spawning areas of jack mackerel and Pacific saury, two underdeveloped fisheries.

## LSC Historical Chart Sales Rise

Sales of historical charts by Lake Survey Center's Distribution Section are up 15 percent. Always popular items with historical buffs, the three charts--Map of Hydrographic Basin of the Upper Mississippi River, 1843; Plan Topographique du Detroit - Lac Erie Avec le Lac St. Clair; and Marches of the Union Army under Major General W. T. Sherman, 1863-1865--are stocked by Lake Survey Center.

## Wisconsin Sea Grant Lectures Carried on Telephone Network

A Sea Grant lecture series, examining some of the problems facing today's marine scientists and providing direct contact between the public and ocean and Great Lakes experts, is being conducted under a portion of the University of Wisconsin's extension service program. The lecture series is being carried on the school's statewide Educational Telephone Network. Visual aids are provided to network stations and then the lecture and a question-and-answer session are held via an amplified, "conference call" hook-up. The programs, designed to interest community and government leaders, students, and the general public, cover such subjects as biological resources and micro-contaminants, water quality and use, ports and commerce, and geo-environmental resources. Guest lecturers are selected from a number of universities and private industry. Lectures originate from Milwaukee, Madison, Green Bay, and Ann Arbor.

## 117-Year-Old Survey Marker Found

During construction of a new golf course in Miami, a bulldozer unearthed a granite survey marker of the U. S. Coast and Geodetic Survey, dated April 3, 1855. When the marker was laid, Franklin Pierce was President of the United States, Seminole Indians still roamed the Everglades, and the Civil War was still in the future. The marker bore the name of CGS Superintendent A. D. Bache.

## Two Buoys Now Transmitting Data

Two National Data Buoy Center buoys began sending routine reports from sea to the National Meteorological Center on Oct. 6. EB-01 is located about 100 miles off the Virginia coast and the EB-03 is located about 600 miles south of Anchorage, Alaska. The buoys' three-hourly reports include current-time observations plus the previous two-hourly reports. Data includes measurements of air and sea temperature, wind speed and direction, air pressure, and dew point.

## Florida Climatologist Awarded Doctorate

James T. Bradley, National Weather Service Climatologist for Florida, has been awarded a Ph.D. degree by the Engineering School of New York University. His thesis was entitled, "A High-Resolution Spectroscopic Study of the Atmospheric Water Vapor Line at 6943.8 Å." Dr. Bradley is stationed at Lakeland, Fla.



## Quinault Indian Fish Hatcheries Stocked With Alaskan Species

The NMFS Alaska Regional Office recently stocked the Quinault Indian Reservation (Wash.) with half a million pink salmon eggs in two new reservation hatcheries. Each hatchery is designed to hold 10 million eggs, primarily of chum salmon, a species native to the Quinault River. The experimental stocking of the hatcheries with pink salmon eggs is to determine whether another species, from Alaska waters, might not be successfully introduced to the Quinault region.

The Quinaults are using a new type of hatchery, called a "gravel incubator," designed to hold salmon larvae on a natural gravel substrate in simulation of a natural spawning stream. Experiments have shown that pink and chum salmon fry incubated in the new kind of hatchery survive better and have fewer malformations than those reared in trays with smooth surfaces. The gravel incubators were developed by the Oregon State University Sea Grant Program in cooperation with NMFS and the Fish Commission of Oregon. NMFS specialists from Alaska are assisting the Quinaults in the design and operation of the two hatcheries; in addition, members of the tribe were given on-the-job training at NMFS laboratories at Auke Bay and Little Port Walter, Alaska.

## Marine Instrument Symposium Scheduled

The fifth Marine Sciences Instrumentation Symposium will be held January 31-February 2, 1973 at Cocoa Beach, Fla. The symposium is sponsored by the Marine Sciences Division of the Instrument Society of America. The division's national director is Lawrence Chase, chief of the Testing Division of NOAA's National Oceanographic Instrumentation Center. Further information concerning the symposium can be obtained from Lawrence Murdock, Program Manager, Ocean Research Laboratory, Westinghouse Electric Co., Annapolis, Md., 301-765-5340.

## Sportfish Census Results Published

The first census of sportfishermen compiled since 1965, has been published recently under the title "National Survey of Fishing and Hunting--1970." Contents of the volume are the result of a nationwide survey conducted by the Commerce Department's Bureau of the Census. Early in 1973, a special supplement will be published, covering results of a 1970 salt-water angling survey conducted by the Census Bureau for NOAA's NMFS. Of interest to fishermen, recreation entrepreneurs, businessmen, and civic groups, the national survey (BSFW Resource Publication 95) may be purchased from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402, for \$1.25 per copy.

## Edwin J. Heath, New Akron MIC, Receives Commerce Bronze Medal

Edwin J. Heath has been named Meteorologist in Charge of the Akron, Ohio, Weather Service Office, succeeding Terry Ritter who recently became Meteorologist in Charge at Norfolk, Va. Mr. Heath has served as a Weather Service Specialist at Columbus, Ohio, since 1962, and received a Bronze Medal this week for his performance in that post. He entered the Weather Service in 1953



at Buffalo, N.Y., and a year later was transferred to New York City where he served as a Meteorological Technician until 1962. Prior to entering the NWS, he was an Aerographers Mate in the U.S. Navy.

Mr. Heath received his meteorological training at the Universities of Utah, Oklahoma, and Pennsylvania State, and at Brooklyn College.

## B.R. Bean Elected IUCRM President

Dr. Bradford R. Bean, who heads the micrometeorology program of the Wave Propagation Laboratory, has been elected president of the Inter Union Commission on Radio Meteorology (IUCRM) for the period 1972-1975. The IUCRM, a joint commission of the United States National Committee for Radio Science (URSI) and the International Union for Geodesy and Geophysics (IUGG), is concerned with the relationship between atmospheric conditions and radio phenomena, and with the application of radio and other remote-probing techniques in studies of atmospheric processes and phenomena.

## Corn Growers Aided By Missouri Data

Warren M. Wisner, National Weather Service Climatologist for Missouri, has prepared a set of seven bulletins on growing degree days for hybrid corn production in the state. Each bulletin focuses on one of the major corn-producing areas of the state. Selecting a key climatological station to represent each area, Wisner analyzed the normal growing degree day accumulations from April 1, May 1, and June 1, and the spring and fall freeze probabilities for the station, and converted the information into graphical form. The accompanying text describes how a grower can use the data to determine when to plant corn, with a specified freeze-risk, knowing the maturity growing degree day value for the hybrid variety, which is furnished by the seed producer. These bulletins will help corn growers to plan an optimum planting strategy for the climatic and varietal variables.

## Length of Service Awards

National Weather Service Central Region employees who received Length of Service Awards in June and July were: 35 years - William J. TREBBE, WSO Aberdeen, S. Dak. 30 years - Esther M. CULWELL, WSO/SC Lincoln, Nebr.; Harry C. HAMLIN, WSO Muskegon, Mich.; Myers F. PUGH, WSFO Des Moines, Iowa; Edwin A. CONGDON, WSO Pueblo, Colo.; William G. COXSEY, WSFO Denver, Colo.; Ted C. JAFFERIS, WSFO Chicago, Ill.; Eugene V. NELSON, WSO Valentine, Nebr.; and Ray C. NELSON, WSO Springfield, Mo. 25 years - Mary L. KOLDEN, WSFO Minneapolis, Minn.; Marvin G. McQUATE, WSO Cheyenne, Wyo.; Joseph G. GALWAY, NSSFC Kansas City, Mo. 20 years - James P. BUCHANAN, Jr., WSO Chicago, Ill.; Blaine W. AMANN, WSO Rochester, Minn.; Roger L. GEER, WSO North Platte, Nebr.; Clemens J. GOUSHAS, WSO Chicago (Midway), Ill.; Robert A. THOMPSON, WSO Columbia, Mo.; and Roger C. WOLKEN, WSO Moline, Ill.

NOAA Headquarters employees who received Length of Service Awards in June and July were: 35 years - Max A. KOHLER. 30 years - Theodore P. GLEITER, Harris J. RAINEY, Samuel V. WYATT, Hugh C. BLANTON, Thomas B. JACOBS, Hammond RAU, Donald M. BRANT, Joseph H. BRADSHAW, Alfred F. BELL, Major F. WHITE, Tillman F. GLADNEY, Charles M. HOOVER, Erwin SCHMID, Catherine C. MORTENSON, Max NAVYASKY, Herman C. ANDERSON, Wendell P. TAYLOR, Mary E. HOLMES, Anthony J. GOODHEART, and Harold F. WRIGHTSMAN. 25 years - Richard F. BROWNE, Donald A. RICHTER, Winston C. JOHNSON, Ralfe V. SPEISER, Alfred W. ANDERSON, Verna G. MIZE, Harold M. GOODMAN, Sarah F. GREENFIELD, Edward E. KUTNEY, Charlie E. LYON, Jr., Herman L. BOYLES, and Sidney H. UPHAM, Jr. 20 years - Margaret N. HURST, Joseph V. DELIST, Ronald R. WHITE, William P. TOWNSEND, Marilyn S. VARNADORE, Dorothy EWBANK, Robert H. GUNST, James E. FUCHS, Ronald D. RICH, Nannie L. HUNDLEY, and Lester A. PRATT.



Margaret N. Hurst, a secretary with the Living Resources Division, Office of Marine Resources, receives a 20-year pin from David H. Wallace, Associate Administrator for Marine Resources.

National Weather Service Western Region employees who received Length of Service Awards in June were: 30 years - Charles K. WHITAKER, Medford WSO; and Robert B. CARTER, Salt Lake City WSFO. 25 years - Robert C. NELSON, Stockton WSO; and Wilbur E. FIGGINS, Sacramento WSO. 20 years - Charles R. FISCHER, Vandenberg AFB.

National Weather Service Western Region employees who received Length of Service Awards in July were: 35 years - Joseph VEDERMAN, Los Angeles WSFO; 30 years - Max L. CALDWELL, San Francisco WSFO; Leonard W. SNELLMAN, WRH SSD; Henry W. SCHULTZ, Boise WSFO. 25 years - Stanley W. MARCZEWSKI, Seattle WSFO; John L. KOCH, burn WSO; Ronald L. DORSEY, Billings WSO; Reed M. LYONS, Jr., Ely WSO; David J. BAUMAN, Portland RFC; and Donald A. HALVORSON, San Diego WSO. 20 years - John C. KITTINGHAM, San Diego WSO; and Albert F. DUNCAN, Eureka WSO.

National Weather Service Eastern Region employees who received Length of Service Awards in July were: 35 years - Lesley M. HOBSON, WSMO Brunswick, Maine. 30 years - Robert T. KURTZ, WSO New York, N.Y. (JFK); Norman L. CANFIELD, ERH; Salvadore DIAZ, WSO Williamsport, Pa.; Welba S. REID, WSO Dayton, Ohio; and Ruth E. OWENS, WSO Norfolk, Va. 25 years - Carl P. CATERINO, EHR. 20 years - Charles W. CULLEN, WSO Atlantic City, N.J.; Preston O. TUNING, WSO Elkins, W. Va.; and Robert L. NOLAN, ERH.

National Weather Service Eastern Region employees who received Length of Service Awards in August were: 40 years - Robert C. WALKER, WSFO Pittsburgh, Pa.; and Henry ROCKWOOD, ERH. 35 years - James S. COLLIER, WSFO Buffalo, N.Y. 30 years - Donald V. DUNLAP, WSO/C New Brunswick, N.J.; Jesse A. MATHERS, WSO Columbia, S.C.; Raleigh A. MARSHALL and Joseph H. RICHTER, WSO Norfolk, Va.; John M. PORTER, WSFO Washington, D.C. (Suitland); and Ola D. WHITE, RFC Harrisburg, Pa. 20 years - Robert J. MATANICK, WSFO Cleveland, Ohio; Edward W. SHELLHAMER, WSO Wilkes Barre/Scranton, Pa.; Raymond L. PLYBON, WSO Huntington, W. Va.; Doris L. HARVEY, ERH; and Donald L. EDWARDS, WSMO Patuxent River, Md.

National Weather Service Eastern Region employees who received Length of Service Awards in September were: 35 years - Louis GOLDMAN and Albert C. FLAHEVE, WSFO Boston, Mass. 30 years - Mason A. BENNIS, WSO Providence, R.I.; Walter H. GLASSMAN, AWP, Boston, Mass.; Lynne S. HOLCOMBE, WSO Greensboro, N.C.; Charles CHIBKA, WSFO Portland, Me.; and Melvin R. STOWE, Jr., WSO Cape Hatteras, N. C. 25 years - Vincent L. KREINBRINK, WSO Cincinnati, Ohio; Paul A. MONTGOMERY, WSFO Pittsburgh, Pa.; Charles R. HANSEN, WSO Dayton, Ohio; Carl F. WISTROM, WSO New York, N.Y.; Stuart F. BROWN, WSFO, Washington, D.C.; and Dominick M. RUSSO, ERH. 20 years - Beatrice P. CARAS, WSO New York, N.Y.; Robert E. DANIELS and Robert E. MULLER, WSFO Raleigh, N.C.; and Renn G. HONEYCUTT, Jr., WSO Wilmington, N.C.

# Peterson Announces Program To Save Porpoises (Continued from page 1)

a tunaboat captain, devised a panel to be incorporated in tuna seines, using smaller-mesh webbing which makes it more difficult for porpoises to become entangled. Medina nets are in use on more than 50 boats, and all new nets incorporate a Medina panel.

Secretary Peterson endorsed the committee's proposal that NOAA should immediately undertake efforts to substantially reduce losses and, simultaneously, launch research programs in gear development and biological studies to help attain the first objective.

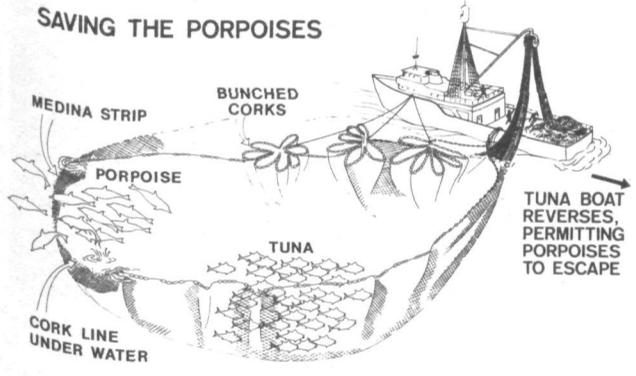
Any solutions, he said, must be capable of practical use by the fishing fleet, which probably would be forced to fish under foreign flags if subjected to overly restrictive regulation.

The Secretary endorsed the committee's recommendations that:

- All tuna seiners be encouraged to use the Medina panel;
- A cooperative Federal-industry program be launched to teach tuna fishermen to use more efficiently "backing-down" techniques allowing porpoises to escape over nets;
- A program be undertaken to improve fishing techniques and gear;
- Information be acquired on the behavior of tuna and porpoise schools in nets;
- Population assessments of porpoise be undertaken;
- An intensified effort be made to establish biological parameters vital to the impact of kill to population, and
- Investigations of the behavior of porpoises and tuna to artificially-induced stimuli.

Secretary Peterson said the committee believes short-range solutions can best be attained by modifying existing techniques perhaps by using a deeper Medina panel, by changing backing-down tactics, by developing a dual purseline seine, and by developing net "sorting panels." He noted the recommendation that an aerial assessment of porpoise population be undertaken this year.

He announced an advisory committee would be appointed to work with the National Marine Fisheries Service, from the ranks of leaders in the fishing industry, conservation groups and scientists.



## LSC Keeps Watch on Erie Gage

Personnel in the Lake Survey Center's Water Level Gaging Section are on 24-hour call in the event that the telemeter gage at Gibraltar, Michigan, should malfunction. Since the water levels in Lake Erie can change dramatically in a relatively short period of time, the U.S. Coast Guard Station at Belle Isle--situated 30 miles up the Detroit River from Gibraltar--automatically receives the water level information from the gage every 15 seconds. The data is broadcast every two hours year-round.

## Five Attend Sea Exploration Council

Drs. James F. Hebard and Robert V. Miller of NMFS Resource Research Office, Kenneth Sherman, MARMAP Coordinator stationed at Narragansett, R.I., and Richard Hennemuth and Roland Wigley of the NMFS Woods Hole installation spent Sept. 25-Oct. 4 in Copenhagen, Denmark, as observers at the International Council for the Exploration of the Sea (ICES) meetings. A variety of marine subjects were discussed, many of them of significance to MARMAP plans.

## Fishermen's Fair Held at Seattle

A Fishermen's Fair held at the NMFS Northwest Fisheries Center, Seattle, Sept. 23, attracted 1,200 people. Live demonstrations, movies, slide shows, and detailed displays communicated information on conservation activities and fishing skills. Seven State, Federal, and university agencies and 14 local fishing and outdoor recreation clubs participated in the six-hour fair.

## Puget Sound Personnel Group Formed

David R. Porter and Edmund D.V. Dickey of the Northwest Administrative Service Office's Personnel Division, served on the seven-member steering committee for the formation of the Puget Sound Chapter of the new International Personnel Management Association. The IPMA will be established in January 1973 by merger of the Society of Public Administration and the Public Personnel Association.

## Fifth Weather Radar Class Completes NWS Training Course



Attending the Fifth Weather Radar Class, held from September 26 to October 12 at the National Weather Service Technical Training Center in Kansas City, Mo., were: (standing from left) Gerald Wardius, Norman, Okla.; Thomas Watson Jr., Nashville, Tenn.; Don Whitman, Instructor; Arthur Fritz, Medford, Oregon; Jim Wantz, Instructor; Ira Coulter Jr., Tampa, Fla.; Mike Weinrich,

Instructor; Homer Farmer Jr., Des Moines, Iowa; Ernest Marión, Garden City, N.Y.; Bill Winkert, Instructor; Larry Burns, Instructor; (seated) Billy Smith, Amarillo, Tex.; Ivan Winterberg, Cincinnati, Ohio; Jerry Johnson, Bristol, Tenn.; Guy Lappie, Norman, Okla.; Frederick Miles, Detroit, Mich.; George Josephs, Minneapolis, Minn.

### NOAA Men Attend Pilots Convention

A NOAA team provided technical weather consultation for thousands of members of the Aircraft Owners and Pilots Association during their annual convention held in Hollywood, Fla., Oct. 3-9. Manning a NOAA booth at the convention were Sam Wyatt and Ed Gross of Weather Service headquarters; Joe Sassman, Weather Service Southern Region headquarters; Tom Rush and Bill Brown, National Hurricane Center, Miami; and George Berner of the National Ocean Survey.

### Great Lakes' Modeling Discussed

The Chief of Lake Survey Center's Lake Hydrology Branch, Dr. Frank H. Quinn, and physical scientist Malcolm Todd attended the recent "Workshop on the Numerical-Dynamical Modeling of the Great Lakes" at the University of Wisconsin in Milwaukee. The objective of the meeting was to discuss present knowledge and techniques, as well as plan directions for future work in the field. Mathematical modeling is an area of special interest to those responsible for Great Lakes water resources programs.

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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