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NOAA WEEK

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

Savings Bonds
Message From the Administrator

There are cogent reasons for supporting the annual Savings Bond campaign. In doing so, we are helping to keep our Nation, and our personal economies, strong. Bond-buying represents painless saving and constructive provision for the future.

The NOAA family traditionally responds gladly to opportunities of this nature. I know this year will prove no exception. As the annual campaign approaches its close, I earnestly urge those of us who have not yet purchased bonds to do so and those who now invest in them to increase their allotments.

Let's have a record showing this year!

Robert M White

Commercial Fish Catch Up in 1971; $643 Million Value Sets Record

Commercial fishermen in the United States caught five billion pounds of fish, shellfish, and other aquatic animals and plants in 1971. The total catch was valued at $643 million at dockside--the highest dollar value in history. The value is up five percent from last year, and the volume increased one percent.

Landings for human food declined four percent from a year ago, while landings of fish for industrial purposes--such as fishmeal and oil--increased by seven percent.

Shrimp landings set a record, but tuna catches, excluding landings in Puerto Rico, were down 12 percent and salmon landings declined 24 percent compared with the previous year.

The figures are from Fisheries of the United States, 1971, an annual publication of the National Marine Fisheries Service.

The annual per capita consumption of edible fishery products in the U.S. declined from 11.8 pounds in 1970 to 11.2 pounds in 1971.

Gulf States' landings of menhaden, and landings of shrimp along the Pacific Coast States, mainly Alaska, were the largest on record, while declines were noted in

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MUS&T/NMFS Project To Utilize Submarine With Diver-Lockout

A month-long NOAA project beginning today will mark the first use by a civilian agency of a submarine with a diver-lockout capability for a major scientific study.

Fisheries research scientists will descend to depths as great as 250 feet in the Gulf of Maine in this joint project of the Manned Undersea Science and Technology program and the National Marine Fisheries Service Northeast Fisheries Research Center. Canadian scientists also will participate and the Environmental Protection Agency's Narragansett (R.I.) laboratory will cooperate in the study of bottom-dwelling organisms, by determining the levels of heavy metals and pesticide contamination in the samples collected.

Purposes of the project are to: make ecological studies of lobsters found both in rocky and in muddy habitats in relatively deep water; survey the abundance and distribution of bottom-dwelling organisms; measure concentrations of trace elements in these organisms; compare surface and diver-emplaced environmental monitoring devices; and develop a saturation diving capability in scientists of the Boothbay Harbor (Maine) laboratory of NMFS, who require this unique tool to support their research. Their ultimate goal is to work in diver lockout vessels to depths of 100 fathoms, the edge of the continental shelf, thus opening up the whole shelf for on-site biological studies.

The submersible to be used is the Perry Oceanographics Deep Diver, a 23-foot-long vessel that carries a crew of three in a forward control chamber, and two divers in a pressurized lockout chamber.

Two 2-man teams, led by Program Director Dr. Richard Cooper of the Boothbay Harbor laboratory and Dr. David Scarrett of the Fisheries Research Board of Canada, will alternate during the project. To maximize their work time and minimize the time needed for decompression, the scientists will remain under pressure both during dives and--in a chamber aboard a tending ship, the surface vessel State Wave--during intervening periods.

Deep Diver will descend to 150 feet, where the divers will leave the craft and perform their research and collecting mis-

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Dr. Glahn Named Deputy Director Of Techniques Development Lab

Dr. Harry R. Glahn has been named Deputy Director of the Techniques Development Laboratory of the National Weather Service's Systems Development Office. He will continue to serve as Chief of TDL's Objective Forecast Branch where he is leading a team effort which has produced operational objective forecasts of several weather elements.

After serving as a forecaster for four years in the U.S. Air Force, Dr. Glahn attended the Massachusetts Institute of Technology and was awarded a master's degree in 1958. In 1963, he received a Ph.D. Degree from the Pennsylvania State University, which he attended on a Weather Bureau scholarship. He worked in the Weather Bureau's Office of Meteorological Research from 1958 to 1964, when he became part of the newly-formed TDL.

Dr. Glahn is the author of numerous papers on such subjects as objective weather map analysis, decision theory, adaptive logic, verification of weather forecasts, canonical correlation, discriminant analysis, objective weather forecasting, use of satellite infrared measurements, and multiple regression. In 1968, he received the Department of Commerce Silver Medal Award.

R.S. Tibbetts Is Chief of Photo Party 62

Robert S. Tibbetts is the new Chief of Photo Party 62, operating out of NOAA's Atlantic Marine Center, Norfolk, Va. Tibbetts has been with the National Ocean Survey and its predecessor agency, the Coast and Geodetic Survey, since 1948.

Federal Ocean Program Priorities Have Shifted, Dr. White Tells MTS

Dr. Robert M. White, NOAA Administrator, told a meeting of the Marine Technology Society in Washington, D. C., this week that shifts in Federal ocean program priorities since 1966 show dramatic gains in the areas of coastal zone management, transportation, and general purpose ocean research.

Speaking on "Our Changing Ocean Priorities," Dr. White said that according to statistics gathered since the passage of the Marine Resources and Engineering Act of 1966, the coastal zone program moved from five percent to 14 percent of the total Federal expenditure in ocean programs; transportation went from three percent to 10 percent of the total, and ocean research from 14 percent to 19 percent of the total.

The total Federal investment in marine science activities during the period increased by 53 percent--from a level of $438 million to $672 million.

According to Dr. White, "These numbers starkly reveal a very clear reordering of our national ocean priorities. These changes are a reasonably accurate reflection of our changing policy drives."

Dr. White singled out two programs which he believes are clearly candidates for greater emphasis in the future: the national programs directed at the exploration, development, and conservation of the nation's living and non-living ocean resources.

"There is already an indication in the statistics that these two fields are coming into their own," Dr. White said. "The principal increases in both fisheries and non-living resources have taken place during the last few years. I believe we are seeing a reflection of the growing realization that the oceans offer substantial hope for meeting some of our pressing national resource needs."

Third Weather Radar Class Is Held at NWS Kansas City Training Center

Shown above are the participants in the third Weather Radar Class held from April 18 - May 4, 1972, at the National Weather Service Technical Training Center in Kansas City, Mo. They are: (front row, from left) Robert Storey, Salt Lake City, Utah; Merlin Houpt, Buffalo, N.Y.; Marvin Shogren, Huron, S.Dak.; Noboru Miyashiro, Lihue, Hawaii; George Grimm, Neenah, Wis.; James Stevenson, Wilmington, N.C.; and David Bakeman, Limon, Colo.

(Back row, from left) Mike Weinrich, Instructor; Ernest Sauve, Apalachicola, Fla.; Dayton Stone, Charleston, S.C.; Larry Burns, Instructor; Don Whitman, Instructor; Richard Wilson, Midland, Tex.; Walter Syroid, Missoula, Mont.; and Joseph Schmitz, Grand Island, Nebr.

President Nixon Congratulates NWS Cooperative Observer

Following is the text of a letter from President Nixon to Edward H. Stoll, of Arapahoe, Nebraska:

THE WHITE HOUSE

WASHINGTON

May 2, 1972

Dear Mr. Stoll:

It has recently come to my attention that you have served voluntarily as a cooperative weather observer in the United States for over 66 years and that your efforts span a longer time than those of any other individual at the present time. Your outstanding record of service speaks highly of your dedication and sets a splendid example for some twelve thousand other cooperative observers throughout the United States who donate over a million hours each year observing and recording the weather. These endeavors are indeed a worthy service to our country and to our fellow Americans.

With my congratulations for your outstanding accomplishments and best wishes for the future,

Sincerely,

/s/

Richard Nixon

Mr. Edward H. Stoll
Route 2
Arapahoe, Nebraska 68922

Two-Week Remote Sensing Course Being Offered at Boulder in June

Openings are still available for the remote sensing course sponsored jointly by NOAA and the University of Colorado, June 19-30. Requests for applications and information may be directed to Dr. S. W. Maley at the Electrical Engineering Department, University of Colorado, Boulder, Colorado 80302 or Dr. V. E. Derr, NOAA Wave Propagation Laboratory in Boulder. Deadline for applications has been extended to June 12.

All NOAA employees must first submit Form 53-1 to their training officer in the Servicing Personnel Office before registering for the course.

The two-week course is designed for those scientists interested in the application of new remote measurement methods to the study of the environment. The course should be beneficial to persons expanding their interests into atmospheric science. The methods discussed often are applicable to planetary atmospheres in general and to remote probing of the ocean and solid earth.

Captain Robert C. Munson Named To NOS Associate Director Post

Captain Robert C. Munson has been appointed Associate Director of the National Ocean Survey, for Marine Surveys and Maps.

For the past 16 months he has been commanding officer of the NOAA Ship DISCOVERER.

In his new post, Capt. Munson will be responsible for the collection and evaluation of marine navigation and marine geophysical data and the compilation of nautical chart data. The Office of Marine Surveys and Maps also performs analyses of marine physical phenomena, including the properties of sea water and shoreline and bottom configuration affecting sea wave and current propagation; directs the operation of a tide station network; conducts aerial surveys for coastal mapping, seaward boundaries and coastal evacuation maps; and provides oceanographic data and tide and current predictions for marine navigation, civil engineering, the solution of environmental problems and correlation and analysis in scientific research. Approximately 285 personnel are involved in the various programs and activities.

Capt. Munson's Federal service included almost 10 years aboard seven survey vessels, three of which he commanded. Prior to assuming command of the DISCOVERER, Capt. Munson headed the Survey's field office and International Tsunami Warning Center in Honolulu from 1968 through 1970.

He is a native of Oneonta, N.Y., where he attended high school from 1943 to 1946. He joined the commissioned corps in 1951 following graduation from Cornell University with a civil engineering degree. In 1967, he received a master's degree in geophysical engineering from the Colorado School of Mines.

Muller Heads Hydrographic Field Party

Lieutenant (j.g.) Richard K. Muller, of Darien, Conn., is the new Chief of Party of the National Ocean Survey's Hydrographic Field Party 745. The six-man group, one of three such parties, investigates the position of numerous landmarks and underwater navigational hazards in coastal waters to keep nautical charts up-to-date. Lt. Muller's party, equipped with a launch and modern surveying instruments, is now engaged in a three-year investigation of the south shore of Long Island, N.Y.

Ships Break Wire Drag Record; Receive Karo Award for System

The NOAA Ships RUDE and HECK have broken the one-day record for wire dragging for the third time in less than a year, a record which had previously remained intact for 54 years. On April 25, the two sister ships, commanded by Commander James Collins, completed 13.6 square miles of wire drag in the Delaware Bay sea lanes, breaking the record of 12.3 square miles which they had established last October 19. That record, in turn, had broken the one established the previous May 10, when the ships wire dragged 9.7 square miles. The previous record of 9.5 square miles was established in 1917. To mark up the latest record the RUDE and HECK worked 14 hours off Cape May, N.J., from 6 a.m. until 8 p.m., using a 12,800-foot drag. Cdr. Collins said it was the first time wire dragging had been done at night. Lighted buoys were used.

Cdr. Collins

In recognition of the work being performed by the RUDE and HECK, The Society of American Military Engineers has awarded the Karo Plaque for 1971 to the officers and crew for "their development of the world's most successful and practical wire drag system." In making the award, the society stated: "They overcame numerous mechanical problems and skepticism toward the new techniques. Their methods and mastery of the process was proved by the speed with which the wire drag survey was made, far exceeding previous records."

Named for Vice Admiral H. Arnold Karo (Ret.), former Director of the Coast and Geodetic Survey (predecessor of the National Ocean Survey), the award is given annually to an NOS field unit that has made an outstanding contribution to the engineering and scientific field.

Robert H. Reece Is Named PA at San Francisco WSFO

Robert H. Reece, Chief of the Executive Affairs Staff at the National Weather Service Headquarters in Silver Spring, Md., since 1970, has been appointed Principal Assistant at the San Francisco (Calif.) Weather Service Forecast Office. He succeeds Jean A. Brown, who is retiring.

Mr. Reece entered the NWS (then the Weather Bureau) at Washington, D.C., in 1946, following World War II service as a weather officer, and was assigned to the Salt Lake City, Utah, office. He subsequently was assigned to Pomona, Calif. (interrupted for a two-year return to military service during the Korean Conflict), Phoenix, Ariz., Ft. Huachuca, Ariz., and Albuquerque, N. Mex.

From 1965-1967, he was domestic aviation weather services program officer in NWSH and, in 1968, on an NWS scholarship, did graduate work at American University. He served as Special Assistant to the Director of Executive and Technical Services before being assigned to his present position.

Born and reared in Socorro, N.Mex., he attended the New Mexico School of Mines, Colorado University, and the University of New Mexico--from which he received a BS degree in mathematics in 1942. In 1946 he received an MS in meteorology from the California Institute of Technology.

Grace V. Shafer Retires

Mrs. Grace V. Shafer, Weather Service Specialist at the Weather Service Office at Pueblo, Colo., retired on May 6. Mrs. Shafer served in Omaha, Nebr., from 1943 until 1948 when she transferred to Pueblo. Subsequent assignments included the analysis center in Washington, D.C., in 1954, and Denver, Colo., in 1956. She returned to Pueblo in 1961. She resides at 103 Creston Drive, Pueblo, Colo. 81004.

Second NWS Eastern Region Electronics Technicians Advisory Council Meeting Held

Shown here are the participants in the Electronics Technicians Advisory Council meeting held recently at National Weather Service Eastern Region Headquarters. They are (seated, from left): E. Richardson, New York, N.Y.; R. Young, Burlington, Vt.; M. Vetere, Columbus, Ohio; A. Kerner, ERH, Chief, Facilities; S. G. Simplicio, Director, Eastern Region; E. Mallumian, Chief, Electronics, ERH; R. Johnson, Wilmington, N.C.; W. Ennis, Huntington, W.Va.; W. Cobb, Norfolk, Va.; B. Thorsen, Worcester, Mass. (Standing, from left): B. Russler, ERH, Chief, Engineering; G. DiCioccio, Albany, N.Y.; and A. Simpkins, ERH, Radar & Comm. Systems.

Reproduction Division Completes Slide Orientation Program

A color slide orientation program, completely synchronized with narration and sound effects, has been completed by the National Ocean Survey's Reproduction Division to better acquaint new employees and groups touring the Division with its scope and product. The 35-minute program, depicting all operations in the production of navigational charts, including source material, compilation, lithographic trades involved, distribution and users was monitored by Melvin M. Gienau, Acting Division Chief.

Mr. Gienau presented plaques to Division employees in appreciation of their individual efforts toward the film as follows: Art Work - Howard Moritz and James Sunday; Photography - Joseph Bradshaw; Text Writing - Lawrence Schemery and Harold Williams Clerical & Typing - James Lee; Editorial - Dorothy Reh; Narration - Jane Shaffer and Ralph Lee; Recording - William Bugbee and Walter Henegar; Coordination - Max Sachs.

The slides and sound track are available for showing to other groups of NOAA employees. Arrangements can be made with Mr. Gienau by calling 189-3677.

(Seated, from left) W. Bugbee, D. Reh, J. Shaffer, R. Lee and J. Lee. (Standing, from left) M. Gienau, H. Moritz (retired), J. Sunday, L. Schemery, W. Henegar, J. Bradshaw, M. Sachs, and H. Williams.

Fish Catch (Continued from page 1)

landings of anchovies, haddock, halibut, Pacific Ocean perch, swordfish, whiting, surf clams, and dungeness crabs.

The 1971 figures show California as the State leader in value of fish landed, replacing Alaska which dropped to second place, followed by Louisiana, Texas, Massachusetts, and Florida.

Louisiana again led all States in volume of catch, followed by California, Virginia, Alaska, and Mississippi.

Cameron, La., led all U.S. fishing ports in volume landed and San Pedro, Calif., led domestic ports in the value of the fishery landings.

New NWS Radio Weather Services Provided Wilmington, N.C., Area

Continuous weather forecasts and warnings for Wilmington and the southeastern coastal areas of North Carolina are being transmitted from the Wilmington Weather Service Office's new VHF-FM radio station, KHB31.

The 24-hour-a-day weather program, transmitting on 162.55 megahertz (megacycles), will bring the public emergency warnings of impending storms, floods, tornadoes, hurricanes and other severe weather situations. Regular programming will include continuous weather reports such as weather summaries,U.S. Coast Guard reports,observations of temperature,wind, visibilities and sea conditions, plus detailed local and area forecasts. In addition, extended outlooks up to five days and radar reports (when appropriate) will be broadcast.

LSC Revisory Section Begins Survey Trip

The Lake Survey Center's Revisory Section has started its annual trip into the Great Lakes to make necessary surveys for the Center's scheduled new chart editions. The harbors on Lakes Huron and Superior, St. Marys River, the Lake of the Woods, Rainy Lake, and a few on Lake Erie will be covered. By the end of November when the 54-foot, electronically-equipped LAIDLY returns to Detroit, the nine-member survey party will have surveyed over 60 harbors. Also, it will have investigated reported changes noted by individual users of the charts and by members of the Power Squadron Cooperative Charting Program. The information gathered from this trip will be used to update existing charts prior to the next boating season.

Charles A.Whitten Retires

Charles A. Whitten, Chief Geodesist of the National Ocean Survey since 1968, retired on April 29 after almost 42 years with the NOS and its predecessor, the Coast and Geodetic Survey, during which he has become an internationally known authority on crustal movements of the earth and the adjustment of continental geodetic networks. He served as President of the International Association of Geodesy for three years and for the past nine years has been a member and secretary of the Finance Committee of the International Union of Geodesy and Geophysics.

A native of Redfield, S. Dak., he graduated in 1930 from Carthage (Ill.) College, from which, 35 years later, he received an honorary degree of doctor of science. He and his wife reside in Silver Spring, Md.

notes about people...

Chester C. Slama, a cartographer in the National Ocean Survey Geodetic Research and Development Laboratory, was recently elected to the Board of Directors, Potomac Region, American Society of Photogrammetry.

Three honor students from Cleveland High School, Seattle,Wash., who are participating in NOAA's Junior Fellowship Program are pictured in one of the Laboratories at the Northwest Fisheries Center where they have been assigned. They are (from left)Gilmore Chin, Chris Shimada and Eugene Kata. Gilmore Chin and Eugene Kata were appointed under the program in April and Chris Shimada is entering his second year.

Richard M. Morse, the Environmental Data Service's Consultant on Marine Affairs, will represent the Intergovernmental Oceanographic Commission (IOC) and serve as Chairman of a Joint Task Team on Interdisciplinary and Interorganizational Data and Information Management and Referral. Representatives of the Food and Agricultural Organization, International Council for the Exploration of the Sea, International Atomic Energy Agency, World Health Organization, and World Meteorological Organization are also members. The Joint Task Team will be responsive to the needs of the IOC's Working Group on International Oceanographic Data Exchange and the Intergovernmental Working Groups on Marine Pollution and Monitoring or Surveillance.

Prior to joining EDS in 1971, Mr. Morse was Chief of the U.S. Coast Guard's Oceanography and Meteorology Branch. In his present position, he represents the EDS Director in all phases of marine science activities. He received an engineering degree from the Coast Guard Academy in 1950, and earned a master's degree in physical oceanography from the University of Washington in 1957.

Edward P. Devine, Chief of the Aeronatical Information Branch in the National Ocean Survey's Office of Aeronautical Charting & Cartography,has been appointed U.S. representative on the International Cartographic Association's Commission on Education in Cartography. The appointment was made by the American Congress on Surveying and Mapping.

Lieutenant Bruce L. Keck of the Oceanographic Division, National Ocean Survey, spoke on oceanography and ecology to the senior class at Indian Hills High School, Oakland, N.J., recently.

A former naval officer, Lt. Keck is a graduate of the University of Illinois, and received a master of science degree in oceanography from the University of Rhode Island.

Shown here are NOAA nominees for the Seattle Federal Executive Board "Employee of the Year" awards. They are, from left: Mark C. Keyes, Northwest Fisheries Center; Betty M. Treece, Pacific Marine Center; Marilyn L. LeGrand, Northwest Administrative Service Office; Regina M. Randall, Northwest Administrative Service Office; and Reynold A. Fredin, Northwest Fisheries Center.

A seminar on the U.S. fishing industry and the NMFS financial assistance program was recently presented for E.A. Jaenke, Governor of the Farm Credit Administration. The FCA supervises and regulates the Farm Credit System, which, under provisions of the Farm Credit Act of 1971, will soon be lending money to fishermen and fishery cooperatives.

Participating in the seminar were James Murdock, chief of the NMFS Financial Assistance Division, and Bruno Noetzel and Fred L. Olson, both of the NMFS Economic Research Laboratory at College Park, Md.

In support of the Pacific Marine Center's glass container recycling project, Raoul A. Ornelas, steward on the NOAA Ship OCEANOGRAPHER,deposits the ship's waste glass in a collection barrel.

Commander L. Posey Receives Commerce Bronze Medal

Commander Lavon L. Posey, NOAA, has been awarded the Department of Commerce Bronze Medal for outstanding performance in NOAA Corps administration and policy determination. Admiral Nygren, Director of the Corps, made the presentation at a luncheon honoring Cdr. Posey and Lieutenant Jimmy A. Lyons on the eve of their departure for sea duty. Cdr. Posey is leaving his post as Chief of the Commissioned Personnel Division to become Executive Officer of the NOAA Ship RESEARCHER. Lt. Lyons, who has been serving as Cdr. Posey's administrative assistant, is bound for duty on the NOAA Ship DISCOVERER.

Nielo K.Lampi Begins Trial Retirement

Nielo K. Lampi, general weather forecaster at the Weather Service Office in Minneapolis, Minn., entered trial retirement April 29, after 30 years of service.

Mr. Lampi joined the Weather Service at Butte, Mont., in 1942. A few weeks later he was called into the military and served the majority of his military service as weather officer in the USAF. Returning to civilian life in 1946, he was assigned to Fargo, N. Dak.; Ypsilanti, Mich., and Sioux Falls, S. Dak., before his assignment to Minneapolis in 1960. He attended Virginia Junior College, University of Minnesota (B.S. in math 1949) and the University of Chicago.

Mr. and Mrs. Lampi live at 6708 11th Avenue S., Richfield, Minn. 55423.

Gulf of Maine Study (Continued from page 1)

sions, diving to as much as 250 feet below the water surface. They will be tethered to Deep Diver at all times with umbilicals to provide the gas breathing mixture (84 percent helium, 16 percent oxygen) and communications.

Other personnel participating in the project will be Joseph Uzmann, senior biologist on the program, Harold Boyar, Clifford Newell, Roger Clifford, and Kenneth Pecci of NMFS; Arthur Wilson of the Fisheries Research Board of Canada; Dr. Donald P. Phelps, Wayne Davis, George Morisson, Bruce Reynolds, and Bill Giles of EPA; and Ronald Rinaldo and Mike Dunton of the Maine Department of Sea and Shore Fisheries. William Hamilton is the MUS&T operations manager, and Dr. Joseph MacInnis, M.D., a Canadian expert in deep cold-water diving physiology, is the medical supervisor.

ERL Employees Receive Special Achievement Awards

Shown above with Dr. Helmut K. Weickmann (right), Director of the Environmental Research Laboratories' Atmospheric Physics and Chemistry Laboratory (APCL), are members of the APCL's Atmospheric Electricity Interaction Group, which recently received a Special Achievement group award for lightning research. They are (from left): Lothar H. Ruhnke, Billy R. Caldwell, Elemer Magaziner, Fredric Gould, Charles Johnson, William Cobb, Heinz W. Kasemir, and F. James Holitza.

The group, cited for its "scientific and technical knowhow, courage and team spirit in field experimentation often beyond the call of duty," is engaged in a research project to develop an operational lightning warning network for future manned space programs. Jointly sponsored by NOAA and the National Aeronautics and Space Administration, the project developed from the lightning stroke to the Apollo 12 during lift-off.

NASA has initiated two patents on the basis of the group's work on this project.

Other Boulder-based ERL employees who have been honored recently with Special Achievement Awards are: Elaine S. Ardourel, APCL; Hans L. Ericson, WPL; Glenn H. Endrud, Daneen M. Brockway Cassinis, Pedro Garcia, Bette Goehringer, Dorothy Hanks, Stephen Jackson, William McCallum, Jacob Schroeder, and Mary Ann Wilcoxon, all of SEL.

Several other ERL employees, located at duty stations outside of Boulder, also received Special Achievement Awards recently. They include: Floyd A. Nudi, and William R. Rowlette, both of MMTC; Jerry Lee Sharp, ARL-ATDL; Carlos P. Gradillas and Robert H. Armstrong, ARL-LV; and Alan H. Miller and William L. Woodley, EML.

NMFS To Operate Boothbay Harbor Aquarium

The Boothbay Harbor Aquarium, formerly operated by the Maine Department of Sea and Shore Fisheries, will open this year under the National Marine Fisheries Service.

Located at the tip of McKown Point, adjoining the NMFS Boothbay Harbor Fisheries Laboratory, the aquarium will be open between May 30 and the end of September. Two locally caught seals will be put in the outdoor seal pool about the second week in June, and NMFS personnel from Woods Hole, Mass., and the Boothbay Harbor Lab. are designing new graphic displays to be added to the aquarium.

NWS Eastern Region Supervisors Complete Required Training

Twenty-two National Weather Service field supervisors completed the Supervision and Group Performance Seminar conducted recently by Robert Harris, Career Management, NOAA, in Allentown, Pa. The first half of this course, "Introduction to Supervision/Personnel Administration for Supervisors" was completed last fall at Eastern Region Headquarters.

Shown above are those who have successfully completed the supervisory training requirement and received Certificates of Completion: Front row (from left): George L. Poole, AWP, Boston, Mass.; John R. Clark, WSO, Harrisburg, Pa.; N.E. Rizzo, Personnel Officer,ER; Robert Harris, Instructor, NOAA; Andrew Husser, NWS Representative; Silvio G. Simplicio, Director, ER; Dorothy J. Chapman, WSO, Norfolk, Va.; John A. Mayer, WSO, New York, N.Y.; Jerrold LaRue, WSFO, Washington, D.C.; William L. Turner, WSMO, Chatham, Mass.; Robert C. Butler, WSO, Pittsburgh, Pa.; Earnest A. Rodney, WSO, Asheville, N.C. Back row (from left): Marvin Miller, WSO, Columbus, Ohio; Robert S. Brauch, WSFO, Buffalo, N.Y.; Lawrence L. Hendrickson, WSO, Cincinnati, Ohio; Edward G. Jacob, WSO, Mansfield, Ohio; William Drewes, WSFO, Albany, N.Y.; Harry Gorman, WSO, Allentown, Pa.; Stephen J. Rigney, WSFO, Portland, Maine; Thomas Wahl, WSO, Wilkes-Barre/Scranton, Pa.; Paul J. Bowers, WSO, Charlotte, N.C.; John C. Purvis, WSFO, Columbia, S.C.; Clarence W. Reynolds, WSO, Baltimore, Md.; Ernest O. Schutter, WSO, Newark, N.J.; Ola D. White, RFC, Harrisburg, Pa.; Kenneth Hagy, WSO, Wilmington, Del.; David L. Coveney, Deputy Director, ER; James F. Whelan, Labor/Management Relations Specialist, ER.

Violet F. Immel Retires

Violet F. Immel, library technician and circulation head for the Environmental Research Laboratories in Boulder, Colo., is shown with Dr. L. R. Alldredge, director of the Earth Sciences Laboratory, who presented her the Commerce Department Bronze Medal at her recent retirement dinner.

Mrs. Immel was cited for "17 years of meritorious library service and superior contributions to the scientific program of the Boulder Laboratories." Her 25-year Federal career included service with the Veterans Administration and the Census Bureau in Washington, D.C., before she went to the Boulder Laboratories library in 1954.

She was born in Sinking Spring, Pa., attended Shippensburg Teachers' College in Pennsylvania and later received her B.S. degree in elementary education from Wilson Teachers' College in Washington, D.C. She taught elementary education in Surrattsville, Md., and Reading, Pa. before entering government service.

Lieutenant Smolowitz Receives Award

Dr. Robert L. Edwards (left),Director of the National Marine Fisheries Service Northeast Fisheries Center, is shown presenting a Special Achievement Award to Lieutenant (j.g.) Ronald J. Smolowitz for his work in developing and maintaining marine power plant systems while assigned aboard the OCEANOGRAPHER. Lt. Smolowitz is now assigned to the Fisheries Engineering Group at the Woods Hole, Mass.,laboratory headquarters of the Northeast Fisheries Center.

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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