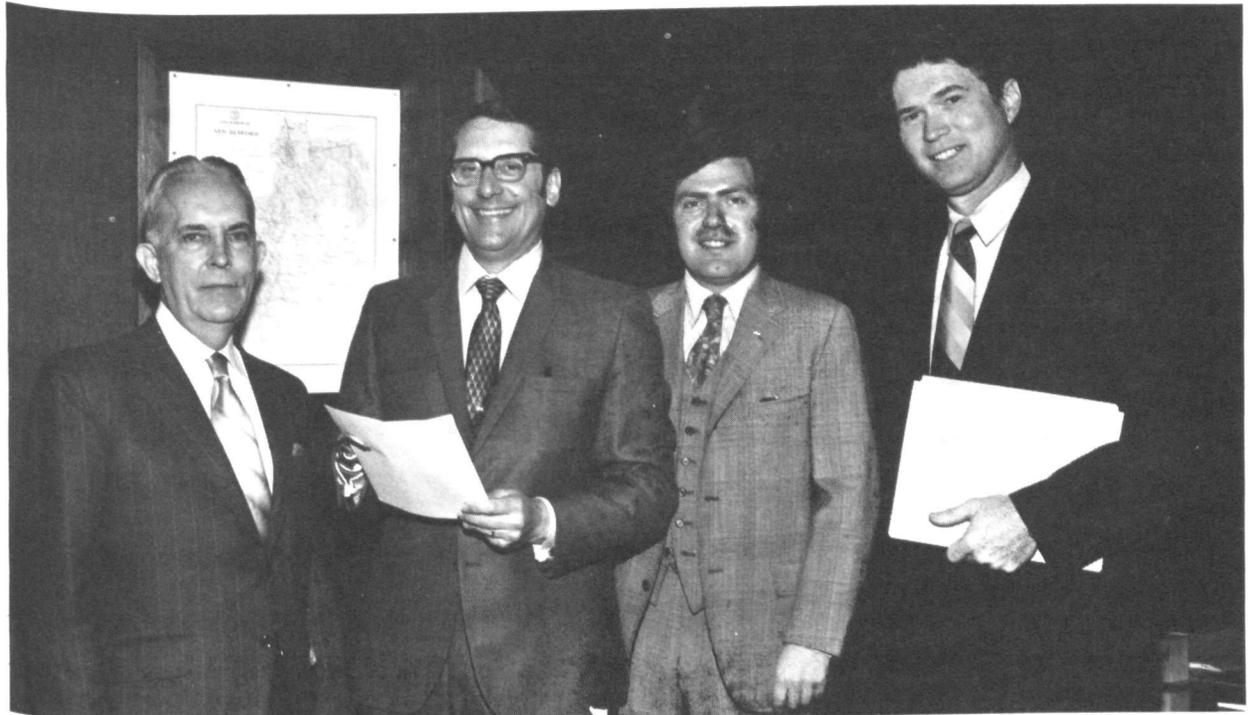


NOAA WEEK

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Howard W. Pollock Opens NOAA Savings Bonds Drive



Left to right: J. Lola, H.W. Pollock, M. Agunsday, and R.L. Carnahan.

Howard W. Pollock, NOAA Deputy Administrator, gave the principal address at a Kick-off Meeting of the NOAA Savings Bonds Campaign at the Washington Science Center, April 28. In a message to employees, he said:

"As in past years, we are about to begin our Annual Savings Bonds Campaign. This year the theme of the campaign is 'Take Stock in America'. It is an excellent theme. It sums up in a few words how every one of us is given an opportunity to own a 'piece of the action' in this great country of ours.

"You know --in private industry, employees are sometimes enabled to buy stock in the company through various company plans. This owning a part of the company is a very desirable position to be in--it gives the employee a feeling

that he or she has more than a 9 to 5 relationship with the company. The employee develops a pride of ownership.

"Buying bonds is a sort of parallel for Government employees. It's our Government in the same general way that it is the Government of all citizens, but it is also our Government in a very special way. We are the ones who make it work.

Other speakers for the occasion were Joseph Lola, Alternate to Secretary of Commerce Maurice H. Stans on the Inter-departmental Savings Bonds Committee; and Michael Agunsday, U. S. Treasury Representative, Savings Bonds Division. Robert L. Carnahan, Deputy Assistant to the Assistant Administrator for Administration and Technical Services, and Vice Chairman of NOAA's Savings Bonds Campaign, served as master of ceremonies.

Radio Weather Broadcasts To Begin at 15 New Sites

The National Weather Service will begin operating continuous-transmission weather radio stations at 15 new sites this year. Stations at Atlanta, Ga., and West Palm Beach, Fla., are slated for operation this spring, and 13 more stations will be on the air before the end of the year. These will be in or near Sacramento and San Diego, Calif.; Minneapolis, Minn.; Milwaukee, Wisc.; Wichita, Kans.; Detroit, Mich.; Fort Worth and Dallas, Tex.; Erie, Pa.; Wilmington, N.C.; Mobile, Ala.; Buffalo, N.Y.; and Anchorage, Alaska.

The 15 new stations will bring to 43 the number of VHF-FM transmitters in the Weather Service's nationwide network. NOAA Radio Weather transmissions are broadcast at frequencies of 162.55 MHz. or 162.40 MHz from National Weather Service offices 24 hours a day. The programs consist of taped weather observations, forecasts, and warnings for the general public, motorists, campers, sportsmen, boaters, and others who need a detailed weather picture any time of the day or night. When dangerous weather threatens, routine transmissions are interrupted and an emergency warning is broadcast.

Haddock Fish Stocks To Remain Low Until 1973, NMFS Scientists Predict

Scientists at the Woods Hole, Massachusetts, Biological Laboratory of the National Marine Fisheries Service predict that haddock stocks in the waters off the New England coast, now under restrictive international fishery quotas, will remain at the present low levels at least through 1973. It would appear that the very low abundance of spawning stock is seriously reducing the probability of good reproduction.

Groundfish survey cruises conducted each spring and fall since 1963 aboard the laboratory's research vessel, Albatross IV, provide estimates of the haddock population and abundance of juveniles. Data for the 1970 cruises and the recently-completed spring survey indicate no significant change in population during 1970 -- the sixth consecutive year of poor reproduction.

DISCOVERER Is Investigating Sea Floor of Atlantic Ocean

Scientists aboard the NOAA Ship DISCOVERER are conducting the first complete investigation ever made of the sea floor across an entire ocean. The investigation is centered on a 250-mile-wide, 3500-mile-long corridor stretching from Cape Hatteras, N.C., to Cap Blanc, Mauritania, in northwest Africa. The 10-week study, to be completed in June, is under the direction of the Atlantic Oceanographic and Meteorological Laboratories and of the National Ocean Survey.

The Cape Hatteras-Cap Blanc corridor was selected because many scientists believe it represents the path the North American and African continents took when they split and began drifting apart some 200 million years ago. The DISCOVERER's advanced electronic equipment is probing both the bottom and subbottom along the corridor to determine the structure and to sample the rocks which form the ocean bottom.

Dr. Peter Rona, the project's Chief Scientist, recently discovered huge domes off northwest Africa on the ocean bottom within the corridor which resemble the oil-producing salt domes of the gulf coast of the United States. Located in deep water (15,000-20,000 feet) as far as 800 miles offshore, these are the first possible salt domes to be reported on the deep ocean bottom. The discovery has immense potential significance for the petroleum industry, because it is the first indication that major oil deposits may extend from the continental shelves into the deep ocean. The DISCOVERER scientists may find new evidence of this.

Begun last year by the DISCOVERER, the NOAA Trans-Atlantic Geotraverse (TAG) will when completed, provide scientists with the most complete history of the splitting and drifting apart of the North American and African continents. The project is part of the United States' contribution to the International Decade of Ocean Exploration which is being funded by the National Science Foundation.

Telephone Numbers Change in Seattle

Many Federal agencies in Seattle, Washington, formerly had telephone numbers beginning with 583. This prefix has been changed to 442.

A. J. Polos and Donald W. Kuehl Receive Commerce Bronze Medals



Left to right: H. H. Bedke and A.J. Polos

Anthony J. Polos, Hydrologist in Charge of the Portland, Oregon, River Forecast Center, and Donald W. Kuehl, Hydrologist at the Portland RFC, are recent recipients of the Department of Commerce Bronze Medal Award. Hazen H. Bedke, Director, National Weather Service Western Region, presented the awards.

Mr. Polos, who has headed the Portland RFC since 1950, was cited for his exceptional contribution to the field of hydrology in the Pacific Northwest. He entered the Weather Bureau in 1944 in



Left to right: H.H. Bedke and D.W. Kuehl

San Francisco, Calif., and later served in Atlanta, Ga., before moving to Portland in 1950.

Donald W. Kuehl received the Bronze Medal for his outstanding contributions in the field of applied hydrology, internationally and domestic. He assisted the establishment of a flood forecasting system for the Lower Mekong River and aided in training engineers of the Mekong Committee Staff, headquartered in Bangkok, Thailand. Mr. Kuehl began his Weather Bureau career at Seattle, Wash., in 1948 and moved to Portland in 1950.

NMFS Releases New Motion Picture

"Florida Seafare"--a new motion picture featuring seafood and folksongs--has been released by the National Marine Fisheries Service. The 27-minute sound-and-color motion picture was filmed in various parts of Florida, including Key West, Cape Kennedy, Panama City, and Appalachicola, and shows commercial fishing activities that bring Florida seafood to the tables of America.

Methods of capture, processing, cooking, and serving are described for Florida fish and shellfish. Also shown are new commercial fishing and fishery research methods, such as aquaculture and the use of underwater television techniques.

A catalog describing the NMFS films and how to borrow them is available upon request from Audio-Visual Services, NMFS, 1815 North Fort Myer Drive, Room 601, Arlington, Va. 22209.

Tropical Disease Studied Under Sea Grant

A tropical malady that affects both humans and fish will be investigated under a NOAA Sea Grant award. Ciguatera poisoning, which is well known and feared on tropical islands around the world, will be intensively studied by Dr. Robert W. Brody of the Caribbean Research Institute, College of the Virgin Islands, St. Thomas. With the aid of a \$47,500 NOAA Sea Grant, he will undertake an investigation to determine patterns of infection and food chain relationships, and laboratory analysis to understand the epidemiology of the poison. A Ciguatera Case Repository will also be established to accumulate reliable clinical and pathological data from human cases diagnosed as ciguatera poisoning. Ciguatera fish poisoning is a serious public health problem in the northern Leeward-Virgin Islands area. Fear of the malady also inhibits growth of the local fishing industry,

Galveston Weather Office Celebrates 100th Anniversary

The National Weather Service Office at Galveston, Texas, completed its first century of operation on April 19, 1971, and marked the occasion with three days of special centennial activities. The highlight was the dedication of a Texas Historical Marker honoring the service of the weather office in Galveston.

Karl R. Johannessen, Weather Service Associate Director (Meteorological Operations), spoke at the dedication of the historical marker. Southern Region Director L.R. Mahar and Galveston meteorologist in charge Davis Benton joined Mr. Johannessen in unveiling the marker.

Other Weather Service officials participating in the activities were: Clyde Conner, MIC, New Orleans; MIC Wendell Porth, Albert Norwood, and Herman Johnston, Shreveport; Stanley McGrail, MIC, Port Arthur; MIC Ervin Volbrecht, and Gene Medford, Houston; Edmund DiLoreto, MIC, San Antonio; and Robert Orton, Texas State Climatologist.



Unveiling the Texas historical marker are, left to right: Galveston MIC Davis Benton, Mrs. Mary Moody Northern, Karl R. Johannessen, and Lawrence R. Mahar.

First Federal Plan Published For Marine Prediction Services

A comprehensive Federal program in Marine Environmental Prediction services is described in "Federal Plan for Marine Environmental Prediction, Fiscal Year 1972," prepared by the Federal Coordinator for MAREP with the advice and assistance of the Interagency Committee for Marine Environmental Prediction. The purposes of the program are to integrate all present Federal marine environmental monitoring systems, to assess and improve these systems, and to provide better prediction and warning services to people engaged in activities within the marine environment. For purposes of MAREP, the marine environment encompasses the deep ocean, the coastal zone, and the Great Lakes. MAREP includes analyzing and forecasting the physical, chemical, biological, and hydrodynamic states of the ocean and the overlying atmosphere, and their interaction. In addition to basic services provided to commercial ship operators and fishermen, civilians, and national defense operations, there are five MAREP services for specialized users: Service for maritime navigation, service for water pollution control, service for fisheries interests, service for mineral exploration, and service for specialized military operations.

NASA/USSR Confirm Agreement To Exchange Scientific Data

An agreement between the National Aeronautics and Space Administration and the U.S.S.R. Academy of Sciences which was announced Jan. 21, has been confirmed by an exchange of letters between Dr. George M. Low, NASA Acting Administrator, and Academician M.V. Keldysh, President of the Soviet Academy. The agreement provides for initiating an exchange of lunar samples obtained by the two countries and establishes procedures to produce recommendations for joint consideration of the objectives and results of space research, the improvement of existing weather data exchanges, research with meteorological rockets, techniques for studying the natural environment, and the expanded exchange of data on space biology and medicine. Arthur W. Johnson, Deputy Director of the National Environmental Satellite Service, represented NOAA in Discussions on Space Cooperation in Moscow, during January.

19th Century Cannon Discovered by NOS Survey Crew Finds Home at Atlantic Marine Center in Norfolk



A cannon, salvaged from the wreck of an armed sailing vessel, was presented recently to Rear Admiral Allen L. Powell, Atlantic Marine Center Director, by Lieutenant Commander M.N. Walters, commanding officer of the NOAA Ships RUDE and HECK. The wreck was located by the

RUDE and HECK near the entrance to Lynnhaven Inlet, Chesapeake Bay, Va., in 11 feet of water. The cannon has been identified definitely as having been manufactured in America during the War of 1812. It now is displayed in front of the main building at the Atlantic Marine Center, Norfolk, Va.

Lake Survey Scientists Test Buoy for Use in Great Lakes Study

Scientists of the Lake Survey Center are testing the instrumentation on a prototype buoy to be used in data collection for the International Field Year for the Great Lakes (IFYGL). Dr. Thomas H. Saylor is the scientist in charge of the project. Under his direction, the Research Vessel SHENEHON, with Russel E. Ruh as Captain and a crew including scientists and technicians, left Detroit on April 26. They expect to be at the installation site off Oswego, New York, on May 1. For this project, the SHENEHON will anchor near the buoy and monitor the data it collects. The testing period will last approximately 30 days. If successful, the buoy will be left at the site until sometime in October for continued evaluation.

The buoy was designed and fabricated by Texas Instruments, Inc., and is equipped with meteorological instruments placed at a level of three meters above the water surface. Included in the installation are sensors for the measurement of wind speed and direction, air temperature, dew point, and barometric pressure. There are also thermistors spaced along the mooring cable to measure water temperatures at various depths, as well as current meters placed at four levels. The environmental measurements taken from the buoy platform will be transmitted to a shore station by radio telemetry, and by telephone lines to computer facilities in Detroit for real-time data recording and analysis.

Systems Development Begins School Lecture Series



Donald M. Edmonds (right), of the Equipment Development Laboratory, explains wind direction transmitter on Gramax Building roof to members of ninth grade mathematics class.



Hans P. Jensen describes acoustic radar.

The 9th Grade Math Class of MacFarland Jr. High School in the District of Columbia visited the Gramax Building in Silver Spring, Maryland, on April 22 for a lecture-tour. Their visit was the kick-off of the Systems Development Office's "Lecture to Schools Series."

Ernest Mabrey of the Systems Plans and Design Division lectured on pure and applied mathematical concepts, the metric system and measurements in general. He was assisted by Victor Quinichette of the Equipment Development Laboratory. After the lecture, the students toured the Equipment Development Lab. Fourteen members of the Lab spoke to the group and demonstrated projects and equipment. The radiosonde, AMOS III-70, the recently acquired CRT System, and many other instruments were demonstrated.

The "Lecture to Schools Series" will be a regular part of the SDO's involvement in the Equal Opportunity Program. The series was planned to stimulate interest in the sciences and encourage more students from minority groups to consider careers in the sciences. The committee formulating these plans included: Mrs. Evelyn L. Boston, Coordinator, David Fordham, Mrs. Hazel Miller, Miss Daisy McKelly, John Lovkay, and William Eggert.

Hilo, Guam Weather Offices Are Pacific Stations of Year

The Weather Service Offices at Hilo and Guam in the Pacific Region have been chosen 1970 Stations of the Year. Capt. R. C. Slusser, U.S. Navy Commanding Officer of the Fleet Weather Central/Joint Typhoon Warning Center at Guam, represented the Director in presenting the "Upper Air Station of the Year" award to official in charge I. Van Reenan and his staff in a ceremony at WSO Guam, April 8. Guam scored 90.8 percent of the total possible annual points in the Regional Quality Rankings which are based on a weighted system of error evaluation.

At Hilo, Dr. R. F. Pueschel, Director of the Mauna Loa Observatory, presented the "Surface Observatory of the Year" award to Hilo official in charge R. Busniewski and his staff in an April 9 ceremony. The performance by the Hilo staff during 1970 resulted in a finished surface observational product of 99.9 percent accuracy. This has been matched only once in the four-year history of the program.

The observers, electronics technicians, and officials in charge of the stations also received Superior Achievement Awards. Receiving awards at Guam were OIC Ivan Van Reenan, Marvin Walsh, Joaquin Cruz, Jesus Charqualaf, Juan D. Leon Guerrero, Delmacio Ibanez, Ronald Linder, and Mrs. Annie O. Pangelinan. Weather Service Office employees at Hilo honored were: OIC Raymond Busniewski, Colby Foss, Alvin Gushikuma, George Nii, Walter Smith, Roy Sodetani, Moke Strassberg, Mark Takata, and Howard Tatum.

NOAA Shares 1971 Space Writers Award

The Aviation/Space Writers Association has presented its 1971 space photography award to NOAA and the Goddard Space Flight Center of NASA. The award, citing the 24-hour picture coverage provided by theITOS-1 and NOAA-1 satellites, was presented at the Association's May 5 banquet in Wichita, Kans.

James Represents United States At Telecommunications Meeting

Ralph James, Chief of NWS's Aviation Branch, and Don Budge, Federal Aviation Administration, represented the United States at the seventh meeting of the Meteorological Operational Telecommunications Network-Europe Planning Group in Paris.

Morton J. Rubin To Attend Federal Executive Institute



Morton J. Rubin, Chief, Office of Special Studies in NOAA's Office of Plans and Programs, has been selected to attend the Federal Executive Institute sessions at Charlottesville, Va., May 9 - July 3. The Institute was established in May 1968 to broaden the knowledge and

to enhance the effectiveness of men and women in the highest echelons of the Federal service. The session will include participants from Federal departments and agencies in Washington, D.C., in nine states, and in the Canal Zone.

Mr. Rubin holds a bachelor's degree in meteorology from Pennsylvania State College and a master's degree from the Massachusetts Institute of Technology.

Kieninger To Command NOAA Ship FERREL

Lt. Cdr. Karl W. Kieninger has been named commanding officer of the NOAA Ship FERREL. The 133-foot ship is the first vessel in the United States designed specifically for measuring coastal and estuarine currents. Her home port is Norfolk, Va.

Lt. Cdr. Kieninger joined the National Ocean Survey's predecessor agency, the Coast and Geodetic Survey, in 1964 after a four-year tour of duty in the Navy. He has served on the USC&GS Ship EXPLORER and the NOAA Ships WHITING and RUDE, and most recently was assigned to the Department of State as Marine Research Affairs Officer.

EDS Gathers Data for Space Shuttle Studies

Data summaries entitled "Surface Climatological Information -- Twenty Selected Stations for Space Shuttle Studies"-- have been published by NASA on the basis of data assembled by the National Climatic Center of EDS and the NASA-George C. Marshall Space Flight Center. Authors were NCC's G.W. Goodge, T.H. Bilton, and F.T. Quinlan. Copies of the report are available from the National Technical Information Service.

Browner Honored by Governor



Florida Governor Reubin Askew (left) presents a plaque to Jack T. Browner, Chief of the Marketing Services Division for the Southeast Region of NMFS, for his assistance to that State's Department of Natural Resources. Mr. Browner serves as the only Federal representative on Florida's Seafood Advisory Council, having been appointed to that group by former Governor Claude Kirk, and re-appointed by Governor Askew. The council is composed of 25 members representing sports and commercial fishing interests throughout Florida.

Lake Survey Safety Officer Attends State Conference

The Lake Survey Center was represented by its Safety Officer, Walter A. Carpus, at the recent Michigan Safety Conference held in Lansing. This annual conference provides an opportunity for safety personnel to discuss industrial and governmental involvement in the field. A Lake Survey display was furnished by NOAA's Exhibit Section.

Clarence Jordan of NWS Retires

Clarence E. Jordan, Substation Program Specialist in the Substation Management Section of the Data Acquisition Division, NWS, retired April 2, after 36 years of government service. Mr. Jordan directed the substation visitation program.

NOAA Flood Film Being Previewed

The NOAA Office of Public Affairs has prepared a new, 15-minute film on "Floods," which will be previewed during May by Weather Service Offices at Portland, Maine; Burlington, Vt.; Albany, N. Y.; Cincinnati, Ohio; Columbia, S.C.; Trenton, N. J.; Des Moines, Iowa; Omaha, Nebr.; Minneapolis, Minn.; Kansas City, Mo.; Topeka, Kans.; Boise, Idaho; and Fairbanks, Alaska.

Reeves Receives Award for Code Work

Dr. Sidney Teweles, Chief of NWS's Data Acquisition Division, has presented Charles G. Reeves, of the Communications Division, with a Special Achievement Award for his outstanding and sustained high performance in the development and implementation of meteorological codes. Mr. Reeves submitted to the World Meteorological Organization a recommended blueprint for revising the contents of the international code publication, Volume B, which was accepted by the WMO. The new format is being introduced in Volume B.

Stapowich, Omaha MIC, Will Retire

Edward F. Stapowich, meteorologist in charge at the Weather Service Office in Omaha, Nebr., and a veteran of more than 40 years in the Federal service, will retire on May 31. He began his weather career in Buffalo, N.Y., in 1929 and served as principal assistant and airport meteorologist until his transfer in 1944 as principal assistant at the city office in New York. He moved to Omaha in 1948 as meteorologist in charge.

Powell, Disbrow Aid Deaf Students

Valti W. Powell, Operations Manager, BOMAP Office, and James A. Disbrow of the NOAA Computer Division, Chief Programmer in the BOMAP Office, have been made honorary members of Theta Nu Tau Fraternity for the deaf at Gallaudet College in Washington, D. C. Mr. Powell and Mr. Disbrow were honored for their work in the Equal Employment Opportunity Program on behalf of six Gallaudet students now working in the BOMAP Office in part-time positions.

National Oceanic and Atmospheric Administration

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