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

Navy Admiral Is Appointed Federal Coordinator For Ocean Mapping and Prediction in NOAA

Rear Admiral William W. Behrens, Jr., Oceanographer of the Navy, has assumed the additional duty of Federal Coordinator for Ocean Mapping and Prediction within NOAA. Admiral Behrens' assignment was announced today by Dr. Robert M. White, Administrator of NOAA, which coordinates the programs of all Federal agencies in the fields of ocean mapping, charting and geodesy, as well as marine environmental prediction. In this assignment, Admiral Behrens reports directly to Dr. White. The Federal coordination assignments were made to the Secretary of Commerce by the Vice President in his capacity as Chairman of the Marine Council and agreed to by the Secretary of the Navy.

In his new capacity, Admiral Behrens is responsible for ensuring that the efforts of all Federal agencies engaged in ocean mapping, charting and geodesy, and marine environmental prediction are properly coordinated and that Federal government-wide plans are prepared for achieving national objectives in these marine activities. As Federal Coordinator for Ocean Mapping and Prediction, Admiral Behrens uses the staff support available within the offices of the Associate Administrators of NOAA.

Admiral Behrens assumed duty as Oceanographer of the Navy in September 1970. He has had previous service in a number of responsibilities related to the Navy's interests in the growing field of the environmental sciences. As Oceanographer, he directs the entire oceanograhic effort with the U.S. Navy.

A native of Newport, Rhode Island, Rear Admiral Behrens was graduated from the U.S. Naval Academy and commissioned an Ensign on June 9, 1943. He advanced to the rank of Rear Admiral in 1967. He attended the National War College,

Rear Admiral Behrens

and received the master's degree in International Affairs from George Washington University.

Rear Admiral Behrens holds membership in The Institute of Navigation; Marine Technology Society; American Association for the Advancement of Science; The Institute of Electrical and Electronics Engineers, Inc.; American Geophysical Union; the Arctic Institute, American Society of Naval Engineers; United States Power Squadrons; Smithsonian Institution National Associates; the Propeller Club; and the New York Yacht Club.

A Message From the NOAA Administrator

The 1971 Savings Bonds Campaign has ended and I would like to take this opportunity to thank those whose efforts combined to make this year's drive both lively and productive.

We started the campaign with 52.8 percent of NOAA employees in the bond program and our final rate of 65 percent translates into an increase of 1,426 new participants. In addition, a significant contribution was made by the 717 employees already participating in the program who increased the amount of their allotments. Even though the final total was short of the 80 percent goal, many organizational units met or exceeded that mark and all primary organization elements were ahead of their 1970 campaign levels.

In my opinion the fundamental value of the campaign cannot be measured in agency percentages but lies in the benefits accruing to the individuals who participate in this systematic and realistic savings program. I hope that those who have newly entered the program during this campaign will continue throughout the coming year to take advantage of the opportunity it affords to meet their financial goals.

I find much to commend in the results of this year's campaign and again wish to thank the NOAA men and women who worked so hard in support of this worthwhile program.

Robert M White

Virginia Fruit Grower Lauds NWS For Agricultural Forecast Service

In a recent letter to Jim Valli, NWS Advisory Agricultural Meteorologist, Kearneysville, West Va., a fruit grower in Winchester, Va., expressed his appreciation for the agricultural weather service forecasts provided to his area. The grower estimated that he lost approximately $35,000 in profits or 30,000 bushels of apples in 1970 due to frost. After attending a series of lectures on horticulture presented by Mr. Valli, he installed a heating system with an initial investment of $20,000, and utilized the forecast information on low minimum temperatures provided by the NWS. The grower was able to save 25,000 bushels of apples and about $30,000 this spring.

Lt. Bryson Develops New System To Improve Wire Drag Operations

Lt.(j.g.) A. Y. Bryson (above), an officer aboard the NOAA Ships RUDE and HECK, has developed a system for determining depths over wrecks and shoals in areas where extreme currents and low visibility prevents the use of a conventional leadline. Lt. Cdr. Merritt N. Walter, the ships' commanding officer, reported that the substitute system employs an air pressure gauge on the surface, supplied with compressed air from a scuba bottle connected to a hose placed at the depth to be measured. Air pressure necessary to equalize the water pressure at the end of the hose is measured by a sensitive gauge which can be converted to depth in feet (if the gauge error is known), water density, temperature, barometric pressure and other variables. Using this system, depths have been measured accurately to within approximately three-tenths of a foot. The new system has been named the Bryson Gauge.

EDS Scientist Saves U.S. $3 Million

H. C. S. Thom, Senior Research Fellow of the Environmental Data Service, recently saved the United States Government an estimated $3 million. Mr. Thom was asked by a New York consulting engineering firm to provide wind stress information for designing the towers of the Voice of America Radio Station in Kavalla, Greece. From the data provided by Mr. Thom, it was learned that the structures had been designed for greater wind stress than was necessary. The firm, working under contract to the United States, was able to effect the cost saving by altering the design.

Hummel, Hagy, and Owens To Head NWS Offices

J.L. Hummel

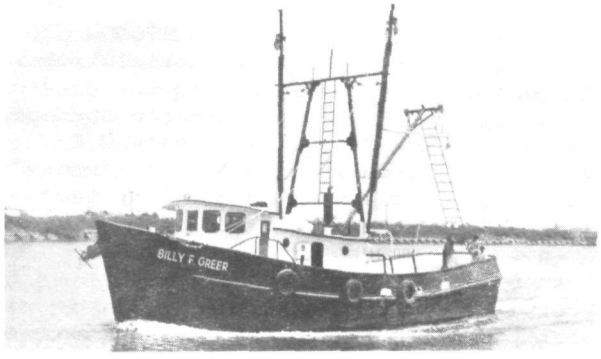
K.W. Hagy

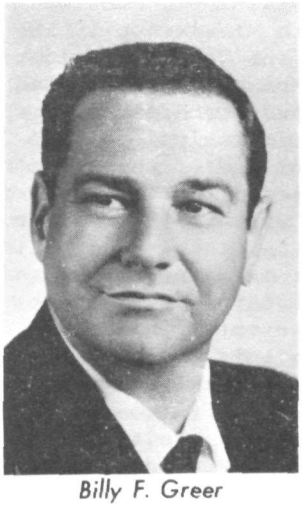
Jack L. Hummel, a veteran of 16 years with the National Weather Service, has been appointed to head the Burlington, Vt., Weather Service Office. Mr. Hummel returns to Burlington where he began his career in 1955 as a weather forecaster. He held similar assignments in Washington, D.C., and Atlantic City, N.J., before becoming assistant in charge at Burlington in 1960. In 1963, he was meteorologist in charge of the Williamsport, Pa., weather office, and in 1970, was in charge of the Syracuse, N. Y. Weather Service Office.

Kenneth W. Hagy has become meteorologist in charge of the Wilmington, Del., Weather Service Office, succeeding Guy Anderson, who recently retired. Mr. Hagy has been employed by the National Weather Service at the Philadelphia, Pa., forecast office since 1957. Prior to entering the weather service, he spent four years in the U.S. Air Force's Air Weather Service as a meteorologist. He graduated from Gettysburg College in 1953 with a degree in physics, and in 1954, took graduate courses in meteorology at the University of Wisconsin.

David H. Owens has been selected to head the Austin, Tex., office of the National Weather Service, replacing David P. Barnes, Jr., who is being advanced to assistant head of the Atlanta, Ga., Forecast Office. Presently a forecaster at the Oklahoma City office, Mr. Owens has more than 18 years of experience in weather work. His previous assignments include four years as meteorological instructor at the FAA's Aeronautical Academy and duty at the NWS office at Midland, Tex. He served as a weatherman in the U.S. Air Force from 1952 to 1961. Mr. Owens will report for duty in his new post in early August.

Texas Shrimp Trawler Named For NMFS Division Chief





Billy F. Greer

An Aransas Pass, Tex., company has christened a modern steel shrimp trawler in honor of Billy F. Greer, Chief of NMFS's Financial Assistance Division for the Gulf and South Atlantic Region, St. Petersburg, Fla., in recognition of his outstanding service to the commercial fishing industry of the Gulf area. The vessel was financed under the Fishing Vessel Mortgage Insurance Program, which is administered by NMFS and was initiated in the Gulf area by Mr. Greer in 1960. Mr. Greer joined the old Bureau of Commercial Fisheries in 1950 as a market news reporter in New Orleans. He has been with the Financial Assistance Division since 1957. In 1968, the State of Texas recognized him for his record of public service by conferring an honorary admiralty in the Texas Navy. His title is Fleet Admiral of the Coastal Bend Command of the Texas Navy, First Flotilla. Mr. Greer is scheduled to retire July 29.

Dr. Winston Is CAS Working Group Chairman

Dr. Jay S. Winston, Director, Meteorological Satellite Laboratory, NESS, has accepted an invitation by the President of the Commission for Atmospheric Sciences of the World Meteorological Organization to be Chairman of the CAS Working Group on Satellite Meteorology.

$217,900 Awarded for Research Under NOAA's Sea Grant Program

NOAA Sea Grants totaling $217,900 have been awarded to three institutions. The Grants include $95,000 to the Universities Marine Center in Ocean Springs, Miss., through Mississippi State University; $81,900 to Oceanic Institute, Waimanalo, Hawaii; and $41,000 to New York University, Bronx, N.Y.

The $95,000 grant will help to support summer activities of the Universities Marine Center, the action arm of a consortium formed by the Gulf Coast Research Laboratory, Mississippi State University, the University of Mississippi, and the University of Southern Mississippi. The Sea Grant Program of the Center provides technical data and recommendations based on this data to various agencies and public officials of Mississippi to help accomplish intelligent use of the State's marine resources. Director of the Sea Grant Program at the Universities Marine Center is Dr. Sidney D. Upham.

The $81,900 Sea Grant awarded the Oceanic Institute is slated for the continuation of a study started last year in which marine scientists are attempting to develop various techniques needed to bring about the successful commercial culture of striped mullet. Related studies on spawning biochemistry and intestinal physiology will also be continued with the newly awarded Sea Grant funds. Dr. Ziad H. Shehadeh is the principal investigator for the Sea Grant.

The third Sea Grant of $41,000 will help New York University to complete development of a graduate school ocean engineering program started in 1968. Co-principal investigators for the NYU Sea Grant Project are Dean John R. Ragazzini and Professor Willard J. Pierson, Jr.

Miss Chapman Becomes Top Met Tech At Norfolk Weather Service Office

Miss Dorothy Chapman has been appointed supervisory meteorological technician at the Weather Service Office, Norfolk, Va. Miss Chapman began her weather service career as an observer at Norfolk in 1944. She later transferred to the joint WB/Navy/Air Force Analysis and Prediction Center in Washington, D.C., returning to Norfolk as a meteorological technician in 1946. Prior to entering the Weather Service, she attended Stephens College, Columbia, Mo., William and Mary College, and Penn State.

James F.Lander Honored By OEP for Contributions

James F. Lander, Chief of NOAA's National Earthquake Information Center, has been awarded a citation by the Office of Emergency Preparedness for outstanding contributions to the disaster program. Mr. Lander worked as a Department of Commerce Fellow in the Operational Analysis Division, Field Operations Office, from September 1970 through May 1971. Director G. A. Lincoln said that Mr. Lander assumed responsibility for three major projects critical to the successful administration of the Disaster Relief Program and "ensured the timely and highly professional completion of these projects."

Eastern Region Climatologists Hold Workshop

The Eastern Region NOAA Climatologists met with the Regional Climatologist, Norman L. Canfield, for a two-day workshop at the Center of Adult Education, University of Maryland, June 22-24. Discussion leaders, in addition to Mr. Canfield, were Arthur I. Cooperman, Chief, Marine Climatology Branch, EDS; Frank Nicholas, University of Maryland; Dr. James McQuigg, EDS Research Meteorologist, Columbia, Mo.; Harold S. Lippmann, Assistant Director, Office of Field Services, EDS; and Dr. Gerald L. Barger, Director, Laboratory for Environmental Data Research, EDS.

NMC/NWS Eastern Region Provide Briefings For Sailboat Race Participants

The National Meteorological Center and the NWS Eastern Region provided briefing and communications material to the participants of the 1971 Annapolis, Md., to Newport, R.I. Sailboat Race. NMC supplied a coastal sea water temperature chart, synoptic chart, and surface prognostic charts. John Porter, principal assistant, Weather Service Forecast Office, Washington, D.C., provided the briefing discussion and the Eastern Region headquarters issued a communications folder, listing all sources of NWS marine weather.

Charles Roberts Receives Antarctic Service Medal

Charles L. Roberts, Jr., Special Assistant in NWS's Overseas Operations Division, recently received the Antarctic Service Medal from Rear Admiral David Welch, Commander, Naval Support Force, Antarctica. The Medal was given to all members of the Antarctic Inspection Team that surveyed operations at foreign and U.S. stations, under provisions of the Antarctic Treaty.

Low-Level Sounding Course Held in St. Louis

A three-week training course on low-level soundings was held recently at the St. Louis, Mo., Weather Service Forecast Office, under the supervision of William I. Pogermon, Chief, Surface Systems Section, NWS Eastern Region. Personnel from the Eastern, Southern, and Western Regions were instructed in all phases of the low-level sounding program. Utilizing two mobile vans containing the latest megahertz equipment, each trainee released balloon-borne radiosondes daily, evaluated the data received, and coded it for dissemination to ultimate users.

Dr. Fritz Is Elected AGU Fellow

Dr. Sigmund Fritz, NESS Chief Scientist, has been elected a Fellow of the American Geophysical Union.

Commerce/HUD To Undertake Earthquake Research Project

A research project to reduce earthquake hazards through improved land use and building codes and to provide information for improving insurance programs will be undertaken by the Department of Commerce and the Department of Housing and Urban Development. To begin the project, HUD will provide $155,000 to NOAA for the 18-month study. NOAA conducts a broad program of studies related to earthquake hazard reduction and has developed strong working ties with the Earthquake Engineering Research Institute--a non-profit corporation consisting of experts in all aspects of earthquake engineering. Also participating will be the National Bureau of Standards and the U.S. Geological Survey.

The project is described as an opportunity to learn from the unique testing experience of the Los Angeles earthquake of last February and to develop and bring together knowledge of earthquake hazard reduction techniques. Named as Project Manager for NOAA is Dr. S. T. Algermissen, Chief, NOS Geophysics Group; Project Manager for HUD is Dr. Arthur Zeizel, Environmental Factors and Public Utilities Division.

Beisel Sketch Displayed at Commerce Dept.

Secretary of Commerce Maurice H. Stans has selected a charcoal sketch of Aphrodite, the goddess of love and beauty in Greek mythology, by Edward L. Beisel (above) for display in his reception room at the Commerce Department Building. Mr. Beisel, who has studied in Paris, is an engraver in the National Ocean Survey's Reproduction Division. Several years ago, he won a gold medal for the sketch in a Department of Commerce art exhibit.

Scientists Attend Workshop On Larval Fish Identification

Scientists examining larval fishes are Skip Zenger, Kodiak, Alaska (foreground); Thomas L. Morris, Woods Hole, Mass.; Stanley Chenoweth, West Boothbay Harbor, Maine; and Joseph Graham, West Boothbay Harbor, Maine.

Scientists from seven National Marine Fisheries Service Laboratories recently participated in a two-week workshop on larval fish identification at the Tropical Atlantic Biological Laboratory in Miami. The workshop, conducted by Dr. William J. Richards, systematic zoologist, provided an opportunity for the 14 scientists who attended to discuss problems of identifying larval fish and to study material from several areas of the United States. The scientists will continue larval fish identification studies from their home laboratories as part of the Marine Resource Monitoring, Assessment and Prediction (MARMAP) Program. Since several thousand different species live in U.S. coastal waters, identification of the larval forms, many of which are undescribed, is difficult. Exchange of information between scientists from these different areas should help solve identification problems.

Lake Survey Has New Computer

The Lake Survey Center has acquired a new Burroughs L2000 internally programmed billing computer for use in invoicing operations by sales personnel. The computer's 40-tract memory disc contains all the instructions for figuring, making decisions, and correct format, in addition to serving as an automatic typewriter, calculator, and posting machine. The internal program is the key to the system's versatility. As soon as the operator presses the starter, indicator lights over the keys show which programs the operator may select. It stores information, figures, and retains totals, while maintaining running totals for essential management information. The machine is capable of keeping a running inventory of more than 145 items sold by the Lake Survey, calculating the discounts, and automatically completing sales receipts. The computer will be used primarily for processing chart mail orders.

Lake Survey employee operates billing computer

MIT Awarded NOAA Sea Grant For Ocean Transportation Study

A NOAA Sea Grant of $315,000 has been awarded to the Massachusetts Institute of Technology to help continue or initiate research projects on ocean transportation, including all the controlling factors of demand, potential markets, flow of raw materials and processed goods, the mating and supporting land systems, as well as the regulatory, legal and political aspects, both national and international, that significantly affect the problem.

Joint NCC/NWS Pilot Employee Training Program Shows Promise

Pictured above are participants in the National Weather Service/National Climatic Center's cooperative on-station training program at the Asheville, N.C. airport. (Left photo) Mrs. Hazel Smith (center) and Mrs. Yolanda Everette, trainees, are shown with Fred Cothran of the Weather Service Office staff. (Right photo) Horst Beckerwerth, instructor; Otto Watley and Grant Goodge, trainees; Earnest Rodney, MIC, NWS Asheville office; and John Shelton, instructor.

Last year, the EEO Committee at EDS' National Climatic Center (NCC) in Asheville, N.C., recommended to management a series of training details at the Asheville Airport to broaden the work experience base of NCC employees at and below the GS-5 grade level. Since much of the work at NCC involves the archiving of weather records, extracting data from such records in response to requests, and preparing summary information from them, the EEO Committee felt that training for and some actual participation in certain phases of the work of taking observations and recording them at a National Weather Service office would be most useful. The plan was approved by NWS and EDS. Guidance in the form of a course outline and policy statement was provided by the Eastern Region Headquarters.

Details of one month at the Asheville airport were agreed upon, preceded by at least 16 hours of training at NCC. Initial indoctrination at NCC was built around the lessons in the National Weather Service's Training Paper No. 9, recommended reading, and classroom experience.

At the airport, trainees were exposed for a month to the work environment of an office with a complete surface observational program and public service responsibilities. They were trained in some of the routine tasks of the station, kept an unofficial set of observations, and learned by doing and by study. Quizzes based on Training Paper No. 9 were used as open-book study aids, and after return to NCC, a 100-question closed-book test was given. Each trainee wrote a report on his experience and a short paper on some weather-related topic.

Otto Watley, Grant Goodge, Mrs. Hazel Smith, and Mrs. Yolanda Everette have completed this training. Calvin McCoy and Don E. Duckett were on detail at the airport through June.

After evaluating the experience of the first four participants, the decision was made to offer the training program to at least eight more employees, bringing the total to 14 for the first year. Some modifications in scheduling, preliminary training at NCC, and follow-up at NCC, after the airport detail are planned.

Earnest Rodney, Asheville MIC, and Fred Cothran, Doug Davis, Odel Sluder, Quentin Snyder, Jim Jenkins, Loring Laughter, Walter Wolf, and Leo Coro worked with the trainees at the airport. Instruction at NCC was carried on by Horst Beckerwerth, assisted by John Shelton and Bruce Blankenship.

A.J. Suzuki, Micronesian Management Intern, Graduates

Akira J. Suzuki, supervisory meteorological technician in the Weather Service Office at Ponape, Eastern Caroline Islands, recently received a certificate of recognition on completing a year of college work at the Kapiolani Community College in Honolulu, Hawaii. Before returning to the weather office at Ponape this month, Mr. Suzuki will receive on-the-job training at the Pacific's major forecasting center, WSFO Honolulu; weather offices at Hilo and Guam; and at the Regional Headquarters. Mr. Suzuki is the third recipient to receive instruction under the Micronesian Management Training Program, jointly sponsored by the National Weather Service and the East-West Center for Cultural Exchange at the University of Hawaii. On his return to the Weather Service Office at Ponape, Mr. Suzuki will undertake an intensive program of on-the-job training as assistant official in charge. Mr. Suzuki entered the National Weather Service in May 1954 following graduation from the Pacific Islands Central High School at Truk. Except for a short assignment at WSO Truk, he has spent all of his 17 years of weather service on his home island. He was promoted to principal observer at Ponape in February 1963. In above photo, J. G. Norris, Pacific Region headquarters Personnel Chief, presents the certificate to Akira Suzuki (center). At right is P. H. Kutschenreuter, Regional Director.

Employees Retain Benefits As Peace Corps Volunteers

A new program to allow Federal employees to enter Peace Corps service has been announced by the Chairman of the Civil Service Commission and the Director of the Peace Corps. Under this program, men and women working for the Federal Government can obtain two years of unpaid leave to serve as Peace Corps volunteers and can then re-enter their previous positions in Government with no loss of their Federal employee benefits.

NOAA employees who are accepted by the Peace Corps and who are granted leave without pay to participate will be able to return from such leave without any loss in status and will be eligible for promotions while they are serving in the Peace Corps. Their Federal retirement rights will be protected, and the time they spend as volunteers will count toward retirement. All of their expenses overseas will be fully covered by the Peace Corps, and upon return to the United States they will be eligible for readjustment allowances up to $1800. Readjustment allowances for families, which are now accepted on a limited basis, are slightly higher. NOAA will be as liberal as practicable in granting leave without pay to employees accepted as volunteers.

Interested employees should write to the Peace Corps, Washington, D.C. 20525 for further information. Servicing personnel offices will have information on the rights and benefits of those accepted by the Peace Corps and granted leave by NOAA.

New Printing Equipment Planned for NCC

A request for proposals for a Computer Output to Microfilm (COM) system for the Environmental Data Service was issued to industry on June 18. COM is very high-speed printing and plotting equipment capable of producing several pages of text, tabulations, or graphics per second from data recorded on magnetic tape. The COM system will be installed in the National Climatic Center in Asheville, N.C., and will eventually allow complete automation of camera-ready copy for many EDS data publications.

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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