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

Rear Admiral Powell To Head NOAA Fleet Operations; Captain Holmes To Direct Atlantic Marine Center

Rear Admiral Powell

Captain Holmes

Rear Admiral Allen L. Powell has been named Associate Director of NOS's Office of Fleet Operations to manage NOAA's fleet of 46 ships. Rear Admiral Powell has served as Director of NOS's Atlantic Marine Center in Norfolk, Va., since December 1968. Prior to his Norfolk assignment, he headed the National Ocean Survey's Ship Construction Group at Rockville, Md., headquarters. He received the Commerce Department's Gold Medal for exceptional performance. Prior to this, he served aboard various ships of the agency and with field parties in the United States. Rear Admiral Powell joined the Coast and Geodetic Survey in 1942 and served during World War II as a regimental survey officer. He received an engineering degree from the University of Texas in 1938.

Named to succeed Rear Admiral Powell as Director of the Atlantic Marine Center is Captain Alfred C. Holmes, who will hold the rank of rear admiral in the NOAA commissioned corps. Capt. Holmes, who has 29 years of Federal service, is serving as the Technical Assistant to the Associate Director of the Office of Aeronautical Charting and Cartography and Chief of its Research Group. He has been with the Commerce Department since 1949, when he joined the commissioned corps following graduation from Oregon State University. As Director of the Center, he will have jurisdiction over the eastern seaboard, including ship bases at Norfolk and Miami and field offices in Norfolk and New York.

One Administrator To Another

Dr. White, NOAA Administrator, autographs cast for Miss Chaconas.

Constance Mary Chaconas, of Rehoboth Beach, Del., visited the office of Dr. Robert M. White, NOAA Administrator, on Aug. 6, in her role as Girls Nation's "NOAA Administrator of the Day." Miss Chaconas is a senior at Cape Henlopen High School at Rehoboth Beach. During her stay, she presented a certificate to Dr. White on behalf of Girls Nation.

Girls State, culminated by Girls Nation, is a youth citizenship training program sponsored annually by the American Legion Auxiliary to give high school juniors practical experience in the processes of government and, in turn, a clear understanding of their approaching citizenship responsibilities.

North Carolina University Gets NOAA Sea Grant of $410,000

NOAA has awarded a Sea Grant of $410,000 to the University of North Carolina to provide for the second year of a statewide program involving both Chapel Hill and Wilmington campuses of U.N.C., the Raleigh campus of North Carolina State University, and the Greenville campus of East Carolina University. Dr. John Lyman, Head of the Office of Marine Sciences at U.N.C., is coordinator of the program. The broad institutional program will include research in marine law, ocean engineering, aquaculture, and a wide range of estuarine studies of particular interest to North Carolina and the southeast coast of the United States. In addition, an advisory service is aimed at improving techniques and seafood processing and harvesting among commercial fishermen and food processors in the state.

EDS Is Named Lead Agency For Management of IDOE Data

The Environmental Data Service has been designated lead agency by the National Science Foundation for data management and information services for United States programs in the International Decade of Ocean Exploration (IDOE). Improvement of worldwide environmental data exchange is one of the U.S. goals for the IDOE. EDS is working with NSF's Office for the International Decade of Ocean Exploration to establish a systematic procedure to ensure that the data will be adequately documented, cataloged, housed, and disseminated.

Three data centers within EDS will provide data services. The National Oceanographic Data Center is lead center for IDOE data inventories and program information, and for chemical, geological, physical, and biological oceanographic data. The National Geophysical Data Center is lead center for marine geophysical data, and the National Climatic Center is lead center for marine meteorological data. Several EDS projects, in addition to data management, have been funded by NSF as part of the IDOE program. The EDS National Climatic Center is coordinator of an international effort to provide descriptive information dating back to 1860 that will be useful in conducting scientific and resource exploration studies of the Pacific Ocean area.

OCEANOGRAPHER Logs 5706 Nautical Miles In Northeast Pacific Geophysical Study

The NOAA Ship OCEANOGRAPHER traveled 5706 nautical miles during her recent Northeast Pacific Geophysical Study. Included in her three-month ocean trip were 4540 miles of bathymetry and 3061 miles of seismic profiling. A total of 137 meteorological observations was made by National Weather Service personnel aboard the ship. Four days were spent dredging undersea mountains for the University of Washington.

Gladney Is Chief, Surface Systems Branch

Tillman Gladney has become Chief, Surface Systems Branch in NWS's Data Acquisition Division. During the past few years, Mr. Gladney has served in NOAA's Office of Plans and Programs, Atmospheric Division. Prior to that assignment, he spent many years in field and headquarters observing and forecasting positions. Mr. Gladney has also participated in the Department of Commerce Fellowship Program.

T. P. Gleiter Shows Where the Action Is

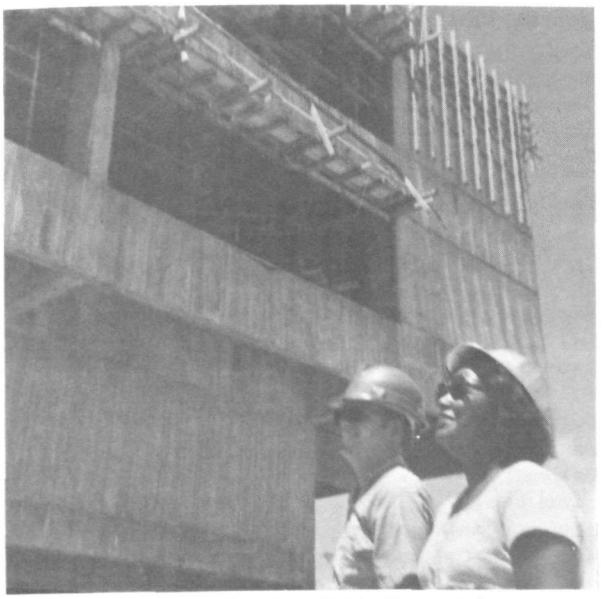
The vehicle was a bit disreputable, but Assistant Administrator for Administration, T. P. Gleiter, happily contributed his old newspapers to the collection station.

In a "Call to Voluntary Action," the ADMIN Advisory Board urged employees located at Rockville, Md., headquarters to bring in old newspapers for recycling purposes, Aug. 4-5. The proceeds from the collection will be held in trust by the Voluntary Action Corporation to help finance adequate day care for children of NOAA employees in the Washington metropolitan area. The first collection netted a little over a ton of stale news, which is primarily recycled by manufacturers of cardboard and roofing products. The collection is sponsored both as an ecological program and a fundraiser for the Voluntary Action Committee. A more attractive collection point is expected to become a permanent fixture soon. Next collection day at the Science Center is Aug. 18.

Construction of AOML Building At Miami Reaches Halfway Point

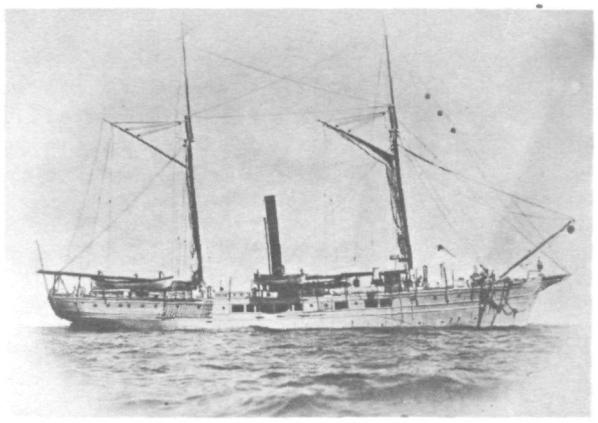
The new facility for the Atlantic Oceanographic and Meteorological Laboratories of ERL on Virginia Key at Miami is nearly 50 percent completed. The building will be some 74,000 square feet and will include facilities for the Physical Oceanography Laboratory, National Hurricane Research Laboratory, Marine Geology and Geophysics Laboratory, Sea-Air Interaction Laboratory, and the Office of the Director. In addition, there will be offices for the EDS National Oceanographic Data Center's southeast office, an engineering laboratory, conference area, computer facility, refrigerated core storage room, diving locker, marine sediment and chemical laboratories, two senior scientist wings, rooftop meteorological installation, photo laboratory, data center, administrative offices, and a library.

The new AOML laboratory is adjacent to the National Marine Fisheries Service's Tropical Atlantic Biological Laboratory and directly across the street from the University of Miami's Rosenstiel School of Marine and Atmospheric Sciences. These three groups form the nucleus of the 165-acre Marine Science Park established in 1969 by both the City of Miami and Dade County as a center for marine and atmospheric research.



Mrs. Mary Grattic of EDS, NOAA-Miami Librarian at AOML, is shown her new library by Lt. (j.g.) James Witte, Assistant Resident Officer in charge of construction.

Model of Historic Survey Ship To Be Exhibited in California



Survey Ship BLAKE

A model of the historic U.S. Coast and Geodetic Survey Ship BLAKE (1874-1905) is being included in an exhibit being designed for the "Museum of the Sea" aboard the Queen Mary at Long Beach, Calif. The exhibit, entitled "Oceanography Today," will display models of today's research vessels and selected historic ships.

The BLAKE was a small steamer which conducted oceanographic studies during the 1870s in the Gulf of Mexico, the Caribbean, and along the Atlantic coast. Ruth Dugan, head of the research department of Living Sea Corporation of Los Angeles who is designing the exhibit, said a sculptor will make a bas-relief of the BLAKE, using as his model a photograph of the ship and its deck plan described in a book by famous naturalist Professor Alexander Agassiz.

Franklin Institute Research Labs To Prepare CICAR Bibliography Volumes

After evaluating the bids received in response to a request for proposals, EDS' National Oceanographic Data Center has selected the Franklin Institute Research Laboratories of Philadelphia to prepare Volumes II and III of the bibliography for the Cooperative Investigation of the Caribbean and Adjacent Regions (CICAR). Volume II will contain references on marine biology; Volume III references on geology and geophysics. Both Volumes will have author, area, and subject indexes similar to those in Volume I, published in 1970, which covered meteorology, climatology, and physical/chemical oceanography.

New Equipment To Observe Divers' Physical Condition

A Sea Grant of $4,400 was awarded by NOAA to the University of New Hampshire to help develop an underwater system for obtaining physiological data from divers. H. Richard Skutt, principal investigator on the project and a research assistant have conducted extensive preliminary work on the multi-channel, ultrasonic system which has already been tested with some success. The Sea Grant funds, added to matching funds supplied by the University, will be used to complete the work. When finished, the system will provide heart rate, respiration rate, body temperature, and water depth from a tiny transmitter strapped to a diver's air tank to surface-based observers over a quarter mile away. The transmitter's small size and light weight allow the diver great freedom of movement. To demonstrate its versatility, the system was used to obtain heart rate, respiration rate, and oxygen consumption rates from divers inside an underwater habitat during recent tests.

Ethridge To Head Shreveport Weather Office

Ernest S. Ethridge has been selected to head the Shreveport, La., office of the National Weather Service. A veteran of 15 years in weather work, Mr. Ethridge entered the National Weather Service at El Paso in 1959 after three years of duty as weather observer in the U.S. Navy. In 1963, he accepted a one-year tour of duty in Antarctica, returning to El Paso in 1964. Mr. Ethridge expects to enter on duty at his new post in late August.

NCC Men Aid Environmental Workshop

William M. McMurray and Joseph M. Meserve of EDS' National Climatic Center were recent participants in an environmental education workshop, cosponsored by the U.S. Forest Service's National Forests in North Carolina and by Western Carolina University. Mr. McMurray discussed some of the meteorological aspects of air pollution, while Mr. Meserve's presentation concerned elementary meteorology with emphasis on questions which high school teachers may be called upon to answer.

Milwaukee Brewery Contributes To Oceanographic Experiment

John T. Brucks (left),TABL oceanographer and director of the drift bottle program, thanks Alfred N. Thibodeau, area manager of the brewing company, for their latest donation of 10,000 empty bottles for the study.

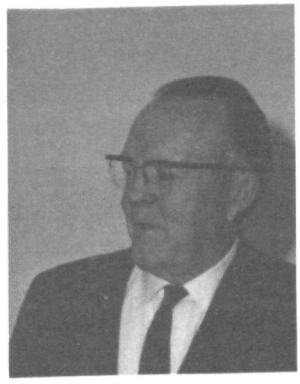
Thousands of beer bottles have gone to sea to help oceanographers study currents of the Gulf and Caribbean. Over the past four years, a Milwaukee-based brewing company has contributed 30,000 bottles to the NMFS Tropical Atlantic Biological Laboratory (TABL) for use as drift bottles. Ballasted with sand, each bottle contains a fluorescent orange card bearing a number and instructions printed in four languages. Persons finding the bottles washed ashore are requested to return the cards to TABL, in Miami, with information on time and place of recovery. Returns have been received from nearly every country bordering the Caribbean, as well as from all States along the South Atlantic and Gulf Coasts. From these widely-scattered returns, scientists are able to calculate current speeds and routes. This summer, eight research vessels of the U.S. and Mexico are peppering the Gulf and Caribbean with drift bottles as part of the international Cooperative Investigation of the Caribbean and Adjacent Regions (CICAR). Participants in addition to TABL include ERL's Atlantic Oceanographic and Meteorological Laboratories, the University of Miami's Rosenthal School of Marine and Atmospheric Sciences, and the Florida University System's Institute of Oceanography.

Instrument Failures Analyzed In New Program at NOIC

The National Oceanographic Instrumentation Center has initiated the Failure Analysis Initiation Log (FAILog) Program to provide centralized recording analysis and dissemination of reliability data. Using a time shared computer, failure data can be rapidly disseminated to the oceanographic community reducing data turn around time--a critical factor in quickly locating problem areas. Reliability parameters such as mean time between failures, mean down time, and availability factor can be made more available for the program participants. The feedback of information obtained from the analysis of failures is one of the principal stepping stones of progress that NOIC intends to provide the oceanographic community through the FAILog program.

The success of an oceanographic survey depends on how well numerous complex and interdependent systems and instruments perform. The oceanographer-scientist has available to him more reliable information on the suitability of the weather in the survey area than on the reliability of the survey instrumentation. NOIC's FAILog Program will improve oceanographic instrumentation decisions since the best instruments may be selected for each particular application after consulting the FAILog data bank.

Earl Phillips Is Awarded Commerce Bronze Medal



Earl L. Phillips (left), of Seattle, Washington, has been awarded the Department of Commerce Bronze Medal for his outstanding work as climatologist for the State of Washington during the past 19 years. Mr. Phillips entered the Weather Bureau in 1942 at Kansas City. He transferred to Seattle in 1952. Due to his efforts, extensive records of past weather over the state have been compiled and published. These include sectional publications of Washington State climate and approximately 100 local climatological summaries.

New Observations Section Chief Is Named in NWS Pacific Region

Herbert T. Hirata (above), is the new Chief, Observations Section in the National Weather Service's Pacific Region, Honolulu, Hawaii. Mr. Hirata, former marine observations specialist in the Pacific Region, began his weather career 19 years ago as a meteorological technician at the Canton Island weather station. Since then, he has held assignments at Lihue, Honolulu, and as official in charge at Ponape. He joined the Pacific Region staff in 1954. Mr. Hirata earned a bachelor's degree in mathematics in 1952 from the University of Hawaii.

New Climatologists for Two States Selected

Arlin E. Snider, the new Climatologist for Illinois, has reported to his Champaign, Ill., office, which is collocated with the Illinois State Water Survey on the campus of the University of Illinois. Mr. Snider spent three years with the NOAA Office of Plans and Programs.

Dr. James J. Rahn is the new Climatologist for Pennsylvania. His office is located with the Department of Meteorology of Pennsylvania State University, University Park, Pa. Dr. Rahn came from the Agricultural Climatology Service Office of the Environmental Data Service.

Sea Water Garden Created Under NOAA Sea Grant

Cold, high-nutrient deep ocean water will find numerous practical uses, as a result of a NOAA Sea Grant project headed by Dr. Oswald A. Roels of the Lamont-Doherty Geological Observatory of Columbia University. Based upon the success of the project to date, NOAA has awarded an additional $336,000 for the project. Using the deep ocean water the Columbia University scientists are creating a sea water "garden" of microscopic plant life that in turn is used to produce shellfish for food use. Ultimate aims of the ambitious project also envision use of the water for generation of electrical power and for cooling and air conditioning purposes. Accomplishments of the project to date have been:

Installation of a mile-long, 3-inch internal diameter polyethylene pipe, to a depth of 830 meters, on St. Croix, Virgin Islands; establishment of diatom cultures in two 12,000-gallon ponds of the cold deep water pumped up through the pipe.

Demand Exhausts Supply of "Mariner's Bible"

The supply of Great Lakes Pilots, published by the Lake Survey Center in Detroit, has been exhausted for the second straight year due to an unprecedented and unforeseen continued demand for the popular "Mariner's Bible." A few Pilots have been retained in the office as a service to those who have a pressing need for the publication. These will be made available either for examination in the Sales Room in the Federal Building in Detroit or on a loan basis to meet individual needs. Refunds will be made on orders received since the exhaustion date, and all potential purchasers will be notified when the 1972 edition of the Great Lakes Pilot is ready for distribution next spring, which will be around the middle of April.

Survey of Broward County, Fla., Completed

NOS has completed a ten-month $256,000 geodetic survey of Broward County, Fla. The federal program was carried out by a 20-man field party in cooperation with with county to provide geographic positions for use in the county's development. The party, headed by Lt. Cdr. Ned C. Austin, established more than 200 geographic positions throughout the county's 1200 square miles, including Fort Lauderdale and Hollywood.

Five ADTECH Employees Honored

Five employees of NOAA's Administrative and Technical Services staff were honored recently in an awards ceremony held at NOAA headquarters. Warren W. Buck, Jr., Administrative Operations Division, received a 30 year length-of-service pin; Robert L. Dulaney, Finance Division, received an Equal Employment Opportunity award "in recognition of positive and outstanding contributions to the success of the EEO program in the NOAA Finance Division during the past year." Honored for outstanding performance of duties were: Mrs. Lois Jane Robbins, Finance Division; Mrs. Alma R. West, Scientific Information and Documentation Division; and J. Donald French, Management Systems Division. Shown are Mr. French, Mrs. Robbins, Mr. Dulaney, Mrs. West, and Mr. Buck.

Scuba Diving Information Available At Lake Survey Center in Detroit

The National Ocean Survey's Lake Survey Center in Detroit, Mich., provides important services to the beginner and to experienced scuba divers. Besides charts, Lake Survey has several other items to aid the scuba diver. The Great Lakes Pilot, which is available from the Center for $3.25, contains brief descriptions and locations of some wrecks, although neither the vessel's name nor its cargo is known. A two-page listing of wreck information sources and a Great Lakes chart catalog, containing addresses of authorized chart dealers, are both free on request from the Lake Survey Center.

Chesapeake Bay Being Surveyed For Corps of Engineers Study

The National Ocean Survey is conducting a seven-month, 934-mile geodetic survey along the shores of the Chesapeake Bay. This survey is in response to a request from the Baltimore District, U.S. Army Corps of Engineers, and is an important segment in their Chesapeake Bay Study, a comprehensive evaluation of the Bay's resources. It is required to establish firm control of the elevations of the network of tidal gaging stations to be used in the design and verification of a working hydraulic model of Chesapeake Bay. This hydraulic model will be the world's largest estuarine model and a most significant environmental tool for the accomplishment of the Chesapeake Bay Study. The study will lead to a bay-wide plan for the maintenance and enhancement of the environment of Chesapeake Bay.

Mrs. Hovig Honored by Seattle Radio Station

Mrs. Beatrice E. Hovig, secretary to Dallas A. Carlson, Chief, Budget, Finance, and Management Services Division in the Northwest Administrative Service Office, Seattle, was selected as "Secretary of the Day" for July 6 by Radio Station KIXI, Seattle. Mrs. Hovig was nominated by her associates at the Service Office for congeniality and cooperative conduct in handling the affairs of the Division in an extremely efficient manner. (Left to right) Dallas A. Carlson, Chief, Budget, Finance, and Management Services Division; Beatrice P. Hovig; and Edward B. Eshe, Budget Assistant of the Northwest Administrative Service Office.

Midwest Broadcasters Meet at NWS Central Region Headquarters

Back row, left to right - Robert Beebe, Edwin Weigel, Jack Shelley, Amos Eastridge, Darrel Witham, Dick Hoctor, John Moline, John Field, Jack East, James Brewer. Front row, left to right - Dave Henderson, Charles Knudsen, Karl Johannessen, and Dick Womack.

Presidents or designated representatives of broadcasters associations from nine midwestern states met recently at NWS Central Region headquarters, Kansas City, Mo. The purpose of the meeting was to introduce broadcasters to the products provided by the National Weather Service and to discuss their usefulness. Among those presenting papers at the one-day sessions were: Karl R. Johannessen, NWS Associate Director for Meteorological Operations; Ed Weigel, Public Affairs Officer (NWS); Darrel Witham, broadcaster for Station WIBW, Topeka, Kansas; John Fields, broadcaster for Station KTWO, Casper, Wyoming; and Dick Womack, broadcaster for Station KWIX, Moberly, Missouri. The other broadcast representatives commented on National Weather Service operations in their states.

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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