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## ADMIRAL BULL, ATLANTIC MARINE CENTER DIRECTOR, DIES



Rear Admiral John C. Bull, Director of the Coast and Geodetic Survey's Atlantic Marine Center in Norfolk, Va., died suddenly in Washington, D.C., September 3.

Born April 2, 1909, in Georgetown, S.C., he was graduated from The Citadel, Charleston, S.C., in 1930, with a bachelor's degree in civil engineering. He joined the Coast and Geodetic Survey after graduation.

During World War II, he served with the U.S. Army in the European theater and was awarded the Bronze Star and the Croix de Guerre with silver star.

Returning to the Coast Survey after the war, he served on numerous ships in the survey fleet, spent two years as liaison officer at Fort Bragg, and attended the Armed Forces Staff College. He was Chief of the Hydrography Branch of Coastal Surveys and Assistant Chief of the Photogrammetry Division. He commanded the USC&GS Ship EXPLORER in 1963 on its duties with the International Co-operative Investigation of the Tropical Atlantic.

In 1964, he became head of the Coast Survey's Norfolk District Office and, when the Survey became part of the Environmental Science Services Administration in 1965, he was named Director of the Atlantic Marine Center and East Coast Field Director. He was promoted to the rank of Rear Admiral, USESSA, on January 1, 1967.

Adm. Bull is survived by his wife, the former Coralee Kitchings, and a son, Dr. John C. Bull, Jr., of Baltimore, Md.

Funeral services will be held at 11 a.m., Sept. 7, in St. Helena's Episcopal Church, Beaufort, S.C. Burial will be in St. Helena's Cemetery, with committal services at graveside.

### THREE AWARDED BRONZE MEDALS

Three ESSA employees recently received the Department of Commerce Bronze Medal, the highest award a Commerce agency can give an employee.

George C. Allen, Staff Assistant in the Weather Bureau's Office of Executive and Technical Services, was given the award by Dr. Robert M. White, ESSA Administrator, at a retirement luncheon, Aug. 30. Mr. Allen was cited "for outstanding performance and dynamic leadership in a variety of operational and administrative assignments over a period of 36 years."

Herbert P. Benner, WB Western Region Radar Meteorologist, received the medal from Western Region Director H. H. Bedke on Aug. 23, "for many years of superior achievement and for conceiving and implementing a cooperative interagency radar weather surveillance program."

W. Gordon Wylie, meteorologist in charge of the WB airport station at Wichita, Kansas, was given the Bronze Medal on Aug. 20 during the 23rd Annual Convention of the International Flying Farmers Association, in Hamilton, Ontario. He was honored "for extremely competent performance serving as liaison official to the International Flying Farmers Association."

### MINNESOTA, D.C. TAX DEDUCTIONS CHANGE

Employees who are subject to the state tax withholding for Minnesota and the District of Columbia will notice a change in the amount deducted from their salary checks dated September 19, 1968. These taxing authorities have recently furnished revised tax withholding tables due to the increased Federal income tax withholding rates established by the Revenue and Expenditures Control Act of 1968.

### HIGH-SPEED SURVEY LAUNCH TESTED

The first operational test survey in the development of large-scale, high-speed hydrographic surveying in the United States, is being conducted by the Coast and Geodetic Survey in Long Island Sound. A new 59-foot launch, carrying automatic equipment which records and codes hydrographic data, can triple the amount of work accomplished by present launches and reduce by half the manpower now needed to survey coastal waters. In the test operation, the taped data gathered by the high-speed launch is processed on the automatic computer-plotter aboard the USC&GSS WHITING, which is conducting a complete survey of Long Island Sound. The test is being supervised by the Atlantic Marine Center, in cooperation with the C&GS Office of Systems Development. Cdr. Clinton D. Upham is in charge of the project.

## OCEANOGRAPHER NAMED TO MAJOR ESSA POST



Dr. Donald P. Martineau of the Office of Naval Research has been appointed ESSA Deputy Assistant Administrator for Plans and Programs, succeeding Paul H. Kutschenreuter. He will assume his new duties on September 16.

For the past four years, Dr. Martineau has been associated with the Office of Naval Research oceanographic program, with additional duties on the staff of the Oceanographer of the Navy. He has been Department of the Navy member on several panels of the Interagency Committee for Oceanography and is also a member of the American Meteorological Society's Committee on Air-Sea Interaction. His work in the field of physical

oceanography has been concerned with water masses, the thermal structure of the ocean, and ocean currents.

Dr. Martineau has a bachelor's degree in physics from Clark University, and received his master's and doctorate in oceanography from New York University. He has served as a research associate at Woods Hole Oceanographic Institution, and as physical science administrator in the Office of the Director of Defense Research and Engineering in the Office of the Secretary of Defense. In the latter post, he served as the Department's alternate member on the Interdepartmental Committee for Atmospheric Sciences and as a member of the panel that prepared the Report on Water Resources for the Federal Council for Science and Technology.

## QUIROZ EDITS AMS MONOGRAPH

"Meteorological Investigations of the Upper Atmosphere"--a collection of papers edited by Roderick S. Quiroz of NMC's Upper Air Branch--has been published by the American Meteorological Society in its Meteorological Monographs series. This monograph, authored by 39 scientists and engineers, is the outgrowth of a Symposium on Meteorological Investigations Above 70 Kilometers, held in Miami Beach, Florida, in 1967. The symposium was sponsored by the AMS Committee on Atmospheric Problems of Aerospace Vehicles, and the papers were published with the support of the Aerospace Environment Division, Marshall Space Flight Center, NASA.

## AIRCRAFT MAY ALTER ATMOSPHERE



Speaking before the International Union of Geodesy and Geophysics/World Meteorological Organization Symposium on Radiation in Bergen, Norway, Aug. 27, Dr. Peter M. Kuhn (left) of the ESSA Research Laboratories said that the thermal properties of the atmosphere can be changed in the immediate vicinity of a passing aircraft whether or not it leaves a visible contrail. Dr. Kuhn gathered this data on recent high-altitude flights of a Convair 990 operated by the

National Aeronautics and Space Administration's Ames Research Center. Disturbances in the thermal properties of the atmosphere could affect the meteorological information gathered by satellite infrared radiometers and spectrometers, and could cause pronounced climatic changes on earth. Dr. Kuhn also presented information on a low-cost radiometer suitable for measuring the thermal budget at extremely high altitudes.

## EDS OFFICIALS ATTEND WMO CONFERENCE

The World Meteorological Organization's Commission for Marine Meteorology (CMM) held its fifth session at the University of Rhode Island, August 19-31. Environmental Data Service participants included Dr. Woodrow C. Jacobs, Chairman of the CMM Working Group on Air-Sea Interaction; William H. Haggard, Chairman of the Working Group for Marine Climatology; and Arthur L. Cooperman, who attended as a consultant on marine climatology.

## MICRONESIAN SCORES ANOTHER FIRST

Tadao Ngotel, Supervisory Meteorological Technician at Koror, is the first Micronesian to be selected a Weather Bureau Pacific Region management trainee. Mr. Ngotel is a graduate of the first observer training school held in Truk in 1954; was the first Micronesian to receive a quality step increase for outstanding performance of duty; and the first Micronesian to win a WB suggestion award. He was promoted to his present position in November 1957.

## NEW RULINGS ANNOUNCED BY CSC

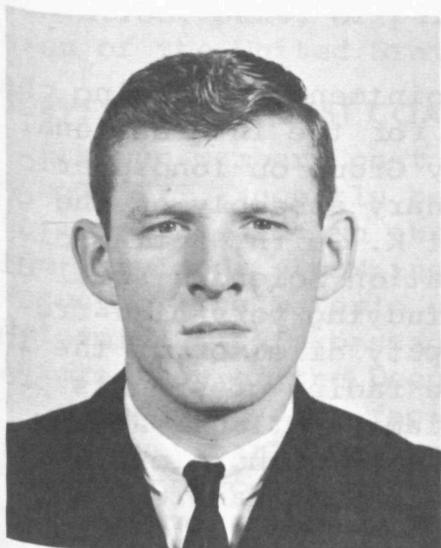
The Civil Service Commission recently announced new procedures relating to temporary promotions and employee details, to be effective Sept. 1, 1968.

Temporary promotions may now be terminated without recourse to adverse action procedures when the temporary need has been met. Formerly, when a temporarily promoted employee was restored to his regular position, the procedure for doing so was the same as would have been used had the employee been demoted for cause. Under the new procedures, an employee promoted temporarily to a higher grade position will be informed how long he is expected to serve in the higher grade, the circumstances limiting him to a temporary position, and that his regular job will be waiting for him when he is no longer needed in the higher grade job.

The CSC has reduced the maximum time that an employee may be detailed to any other job without prior approval of the Commission from six to four months.

## OCEANOGRAPHER, DISCOVERER DATA MICROFILMED

The Environmental Data Service, with the assistance of the Coast Survey, has microfilmed most of the observed geophysical data gathered during the USC&GSS OCEANOGRAPHER's 1967 Global Cruise and the USC&GSS DISCOVERER's 1968 African Cruise. Copies of these preliminary data as well as reduced geophysical data from the USC&GSS PIONEER's 1964 International Indian Ocean Expedition and the PIONEER's 1965 and SURVEYOR's 1966 West Coast Upper Mantle Project are now available from EDS' Earth Science Division.



## CRAWFORD HEADS MID-CONTINENT DIVISION

Lt. Cdr. Darrell W. Crawford has been appointed Chief of the Operations Division at the C&GS Mid-Continent Field Office, Kansas City, Mo. Lt. Cdr Crawford joined the Commissioned Corps in 1961 following graduation from Ohio State University, and has recently completed graduate studies in geodesy at Purdue University. He has served aboard the USC&GS Ships PATHFINDER, WAINWRIGHT, HILGARD, and HYDROGRAPHER.



### HYBSKMANN IS OIC AT POCATELLO



Howard E. Hybskmann has been selected as official in charge of the Pocatello, Idaho, WB airport station. Mr. Hybskmann, who joined the Weather Bureau in 1960, has been stationed at Pocatello for the past seven years as a forecaster-observer. His experience includes 21 years with the Air Force as a weather forecaster, pilot-instructor, photography technician, and communications officer. In 1951-52, he served as a forecaster in Korea.

### CROW ELECTED TO ASA COUNCIL

Dr. Edwin L. Crow of ERL's Institute for Telecommunication Sciences has been elected to a two-year term (1968-69) on the national Council of the American Statistical Association. Dr. Crow is also an Associate Editor of the Journal of the American Statistical Association.

### RESPECT THE FLAG

A recently enacted law provides penalties for deliberate actions intended to show disrespect for the United States flag. Persons convicted of publicly mutilating, defacing, defiling, burning, or trampling upon it shall be fined not more than \$1,000 or imprisoned for not more than one year, or both. The term "flag of the United States" includes any flag, standard, colors, or ensign of the United States, or any picture, representation, part, or parts of the flag, standard, colors, or ensign of the United States.

### SURVEY SET FOR EAST COAST WATERS

A seven-member Coast Survey party, headed by Lt. Arthur P. Sibold III, recently began a four-month investigation of navigational hazards in the offshore waters of Maine, New Jersey, and Maryland. In Maine, the party is conducting a one-month survey of the water's depth as far south as Shackford Head to determine a safe passage for deep draft vessels and to provide information of the Deep Cove bottom to ensure safe navigation to a proposed dock facility near Eastport. If weather permits, the survey party will continue investigations begun last year of numerous obstructions in the bays and inlets of New Jersey, and determine the extent of shoaling in the Potomac River off Piney Point in Maryland.

### WORK BEGINS ON HAWAIIAN SURVEY

Coast Survey engineers Percy E. Chamley, Jr., and Wesley O. Means will begin reconnaissance this month in preparation for a geodetic survey of the island of Oahu, Hawaii. The project, which will provide control points for later state-conducted surveys, will be conducted in cooperation with the state. The survey will be carried out in 1969 by a C&GS field party.

### FORMER WB REGIONAL DIRECTOR DIES

Julius C. Smith, who retired as Director of the Weather Bureau Western Region in 1952, died July 30. Mr. Smith had been a resident of California since his retirement.

### SERVICE AWARDS

The following WB Southern Region employees were eligible for service awards during August: 40 years - Warren O. Johnson, Lakeland, Fla. 30 years - Robert F. Hasling, New Orleans, La., and Wilbur F. Pearson, Orlando, Fla. 25 years - Leroy B. Hagood, Brownsville, Tex.; Neoma R. Parks, Fort Smith, Ark.; Rollo T. Davis, Jackson, Miss.; Gail W. Leber, Lakeland, Fla.; Edward T. Walker, Jr., Nashville, Tenn.; Joseph W. Pope, Pensacola, Fla.; Samuel C. Davis, Macon, Ga.; and James A. Horton, Shreveport, La. 20 years - Dorothy W. Mixon, Miami, Fla., and Fred C. Rennke, Amarillo, Tex.

Washington-area employees eligible to receive service awards during August were: 35 years - Henry S. Coe, Jr. 30 years - Ira D. Boyle, Maurice Kasinoff, Robert M. Caserta, Otto Svendsen, and James C. Chambers. 25 years - Louis E. Leipold, R. C. Youngblood, Robert O. Cole, James L. Keister, Clifford N. Fry, Anthony J. Veith, William T. Austin, Jay S. Winston, Sylvia V. Dean, Mary E. Holmes, and Bernard Zavos. 20 years - Austen H. Nagle, Patricia B. Parker, William F. Langley, Carolyn C. Babicki, Vincent S. Murino, Anna Zivic, Jerrold A. LaRue, Cerella R. Gregg, Joseph F. Holliday, and David T. Theodore.

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Items to be considered for ESSA NEWS must be received by Friday for publication the following Friday. Send material to: Office of Public Information, ESSA, Room 804, Bldg. 5, Rockville, Md. 20852. Phone (301) 496-8243.

# **National Oceanic and Atmospheric Administration**

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