



VOLUME 3

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### **BAUM TAKES OFFICE**

Dr. Werner A. Baum was sworn in as Deputy Administrator of ESSA at ceremonies at the Department of Commerce on January 4. Dr. Baum has now assumed his office at ESSA headquarters in Rockville, Maryland.

### **DR. JACOBS NAMED EDS DIRECTOR**

Dr. Woodrow C. Jacobs, nationally known climatologist, author, and lecturer, has been named Director of ESSA's Environmental Data Service, succeeding Dr. Helmut Landsberg who retired on Dec. 30. He will be sworn in on Monday, Jan. 9. Dr. Jacobs has been Director of the U. S. Navy's National Oceanographic Data Center since 1961. He was graduated from the University of California at Los Angeles in 1930, received his Masters degree at the University of Southern California at Los Angeles in 1935, and his Ph.D. from the University of California (Scripps Institute) in 1941. From 1957 to 1960 he was Director of Climatology at Headquarters, Air Weather Service, leaving in 1960 to accept a post as physical scientist in the Science and Technology Division, Library of Congress. Dr. Jacobs began his career in meteorology in 1931 with the Weather Bureau, and in 1946 was Assistant Chief of the Climatology and Hydrologic Service Division.

### **GENTRY TO DIRECT PROJECT STORMFURY**

Dr. R. Cecil Gentry, Director of ESSA's National Hurricane Research Laboratory, has been named Director of Project Stormfury - a joint Department of Defense (Navy) - Department of Commerce (ESSA) program of hurricane experiments. Dr. Gentry will succeed Dr. Joanne Simpson. Dr. Simpson, who has been Project Director since 1965, will continue in a Stormfury advisory capacity in addition to her post as Chief of the Experimental Meteorology Branch in ESSA's Institute for Atmospheric Sciences. As Director of the National Hurricane Research Laboratory in Miami, Fla., Dr. Gentry leads ESSA's research efforts in the field of tropical meteorology. He will retain that position. He has been associated with the Laboratory since it was organized in 1955 and has served as Alternate Director of Project Stormfury.

### **QUILL DETAILED**

Richard O. Quill has been detailed from the Executive Office to serve as Acting Deputy Assistant Administrator for Administration and Technical Services - a post left vacant with the retirement of Raymond Girard on December 30, 1966.

### **WEATHER BUREAU AWARDS CASH PRIZES**

Forty-seven members of Weather Bureau regional and field offices in the United States have been named winners of cash incentive awards in a program designed to stimulate improved techniques for the forecasting of localized weather conditions. The incentive program was established as a means of encouraging small-scale analysis, covering areas of from 300 to 600 miles in radius. Some awards were won by individuals and others were shared by personnel who collectively were involved in the implementation of a new concept. The awards were divided into two categories, one for the field stations and the other for Regional headquarters. Breakdown of the winners by regions: Eastern Region headquarters - Silvio Simplicio, Carlos Dunn, Fred Zuckerberg; Field Stations - Glen Sachse, Norfolk, Va.; G. L. Courville, Worcester, Mass.; Southern Region Field Stations, 10 share award at Brownsville, Tex. - Ernest Bice, Dean Braatz, Donald Coffman, Charles Carpenter (now at Macon, Ga.), Cyril Doiron, Donald Oldmixon, Frederico Gonzales, Grover Collins, Leroy Hagood, Jarvis Younger. 7 share award at Savannah, Ga. - David Barnes, Bob Bell, Samuel Davis, Henry McAleer, Larry Stewart, Jean Weinbrecht, George Williams. 7 share award at Huntsville, Ala. - Wilton Rogers, Baker Williams, Allen Jacoby (now at Galveston, Tex.), Wilburn Cobb, Alfred Eisgrou, Albert Eubanks, Ralph Hocker. At Mobile, Ala. - Clifford Bond. Central Region Field Stations: 2 share award at Denver, Colo. - William Sullivan and James Severson. Jack Cooley, North Platte, Neb.; Harry Waldheuser, St. Louis, Mo.; George Polensky, Chicago, Ill. Western Region Headquarters (Salt Lake City, Utah) - Leonard Snellman, Philip Williams, Jr. Field Stations - 8 share award at Helena, Mont. - Richard Dightman, R. M. Rauch, William Downs, David Olsen, David Westnedge, Randall Tetzloss, Wilburt McKinney, Delores Clarke. 2 share award at Salem, Ore. - Robert Kirkpatrick and Raymond Dunnavin.

### **SHAK SERVES ON EDUCATION COMMITTEE**

Gerald L. Shak, User Services Representative for the Weather Bureau's Eastern Region, is chairman of a committee working with the Nassau (N.Y.) County Museum of Natural History and the Nassau County schools to promote education in the atmospheric sciences.

### **WILLIAM BROTZMAN DIES**

William S. Brotzman, 90, Meteorologist in Charge of the Weather Bureau station at Pittsburgh, from 1922 to 1946, died December 30, 1966. His son, Lloyd E. Brotzman, former Deputy Director of the Weather Bureau Eastern Region, retired on December 30, 1966.

### **ESSAITES TO ATTEND N.Y. MEETING**

A number of ESSAites are scheduled to participate in the 47th annual American Meteorological Society meeting in New York Jan. 23-26. Chairing various sessions will be ESSA Administrator Robert M. White and Weather Bureau officials Karl R. Johannessen, Director of the Eastern Region; Gordon E. Dunn, Director of the National Hurricane Center, Miami; and Sidney Teweles, Chief of the Data Acquisition Division. Panel members will include personnel from ESSA's Weather Bureau National Environmental Satellite Center, and Institute for Telecommunication Sciences and Aeronomy.

### **BARBADOS VACANCIES OPEN**

WMO vacancies in the Special Fund Project "Improvement of Caribbean Meteorological Services" are: Climatologist, Aerologist (training and research), Agrometeorologist and Hydrometeorologist. All assignments are for three years. Salaries are \$13,000 per annum plus allowances which amount to about \$2,500 per annum for family with one school age dependent. General qualifications include a degree with related subject matter experience. A vacancy for an Electronics and Equipment Expert is also open with salary of \$10,730 per annum plus allowances. General qualifications include a good theoretical background and considerable experience with the maintenance and calibration of meteorological equipment. Applications should be addressed to: Secretary-General, World Meteorological Organization, 41 Avenue Giuseppe-Motta, Geneva, Switzerland, with a copy through supervisory channels to ESSA Personnel, Attn: AD42. Closing date is January 15, 1967. Applications by cable will be considered. For additional information, contact your personnel officer.

### **CHIEF CUTRELL DIES**

John R. Cutrell, 58, Chief Engineer of the USC&GSS BOWIE since 1957, died on December 21 while on leave in Virginia Beach, Va., after more than 33 years Government service. Chief Cutrell served more than 20 years on the Survey Ships BOWEN, PARKER-BOWEN-STIRNI, LESTER JONES, and BOWIE on both the east and west coasts.

### **NEW BOOK PUBLISHED**

"Getting to Know the World Meteorological Organization", by Miles Harris of the Scientific Information and Documentation Division, was published in November by Coward-McCann, Inc., New York City.

### **EMPLOYEE COMPLAINTS AND GRIEVANCES**

ESSA makes every effort to insure that all employees are treated with consideration and fairness and that working conditions are the best possible. For this reason, procedures have been established whereby any employee who is dissatisfied with aspects of his day-to-day working conditions and relationships which are outside his control has a right to present his complaint for consideration in an orderly manner. Employees are assured of freedom from restraint, interference, coercion, discrimination, or reprisal in exercising the right to present a complaint or grievance.

### **TEST OF BUOY SUCCESSFUL**

A half-scale model of a proposed satellite-interrogated buoy designed and constructed by the National Environmental Satellite Center and moored in the Chesapeake Bay by the Coast and Geodetic Survey was successfully tested in rather rough seas. The test was to determine the adequacy of the mooring and the seakeeping characteristics of the buoy.

### **SHIP BOWIE TO BE DECOMMISSIONED**

The USC&GSS BOWIE is nearing the end of the line. Preparations for the decommissioning of the Seattle-based ship are in the final stages. All supplies and equipment not essential to get underway have been stored at the Pacific Marine Center or transferred to other vessels. The 267-ton, 136-foot hydrographic survey vessel, which carries a normal complement of four officers and 24 crew, is being replaced by a new ship.

### **BUGS, BLAZES, AND BLIGHTS**

Six forestry meteorologists of the Weather Bureau's Southern Region have just completed a one-semester training session in Entomology, Fire Control, and Plant Pathology at the University of Georgia. Participating in the special training were: R. T. Davis, Jackson, Miss.; P. H. Hagerty, Macon, Ga.; H. S. Manson, Albuquerque, N. M.; R. A. Mitchum, Montgomery, Ala.; R. M. Ogden, Fort Smith, Ark.; and T. W. Trimble, Shreveport, La.

### **OLDEST SURVIVING C&GS OFFICER DIES**

Captain Francis H. Hardy, 85, retired C&GS officer, died December 14 at his home in Seattle, Wash. He was the oldest surviving Coast Survey officer. Born in Dover, N. H., he resided in Seattle for 28 years. The son of a sailing vessel master, he went to sea with his father when he was two and made several world trips as a child. Captain Hardy retired from the Coast Survey in 1941, but was recalled to active duty during World War II and was in charge of the hydrographic office in Seattle until 1945, when he again retired.

### **FIELD RECRUITING YIELDS GOOD CROP**

Lieutenant Walter F. Forster II, visited eleven colleges and universities in Washington, Oregon, Idaho, and Montana on a fall recruiting trip arranged by the Pacific Marine Center at Seattle. Of 84 students interviewed, 32 percent expressed interest in BSSA's commissioned corps and were given application forms.

### **EDS COOPERATES WITH NEW MEXICO INSTITUTIONS**

The Environmental Data Service has completed agreements with two educational institutions in New Mexico for cooperative projects. New Mexico State University will provide space and act as the cooperative observer for a Reference Climatological Station (formerly called a Climatological Bench Mark Station). The New Mexico Institute for Mining and Technology has agreed to punch daily climatological records for New Mexico Weather Bureau climatological stations for the periods of record prior to 1948, the year EDS' own punched-card program began. Duplicates of the punched cards will be sent to EDS, and EDS will furnish the cooperator with copies of the cards in its file, on a card-for-card basis. The Institution will use the climatological data file to study water resources in the State, and will also loan it to the New Mexico State University for agroclimatic studies.

### **SWEET RETIRES**

James S. Sweet, Foreign Hydrology Specialist in the Weather Bureau's Office of Hydrology, retired on December 30, 1966, after more than 36 years of Government service. He joined the Weather Bureau as a Junior Hydraulic Engineer at the Central Office in September 1938. In July 1939, he transferred to the field where he served at Albany and New York City as a Hydrologic Engineer until his return to the Climatological and Hydrologic Services Division in April 1950.

### **COLD, COLD, COLD**

Robert L. Moses, geophysicist at the Fredericksburg, Va., Geomagnetic Center, has volunteered to take the place at the Byrd Station, Antarctica, of another Coast and Geodetic Survey scientist who became ill. Moses will return to the United States about December 1967. Leroy W. Pankrantz, another C&GS geophysicist, previously at the Byrd Station, has reported to the Adak, Alaska, Observatory as Assistant Observer. This recently established observatory provides seismic data to the National Earthquake Information Center in Rockville and the Tsunami Warning Center in Honolulu.

### **AG-WEATHER PLAN DUE IN JANUARY**

The Federal Plan for a National Agricultural Weather Service, prepared by the U. S. Weather Bureau in coordination with the Department of Agriculture, is now being printed and should be available in mid-January. This is the first of a series of coordinated service area plans to be published by the Office of the Federal Coordinator for Meteorological Services and Supporting Research.

### **SOLAR STILL FOR PACIFIC REGION WEATHER STATION**

Weather Bureau observers at Majuro in the Pacific Trust Territory have assured themselves of a steady supply of drinking water. The South Pacific Commission in cooperation with the Community Development group of the Pacific Trust Territory and the University of California has installed a demonstration model of a solar still for distilling sea water at WBAS Majuro. The Weather Bureau observers, in return for maintaining the still and keeping weather records, will receive the still's output of approximately five gallons of pure water per day. The experiment is designed to demonstrate the feasibility of solar stills for providing fresh water on isolated islands where annual dry periods present serious drought problems.

### **NAUTICAL CHARTS PUBLISHED**

Publication of the first nautical charts for the 180-mile-long Savannah River channel from Savannah to Augusta, Ga., has been announced by the Coast and Geodetic Survey. The small craft charts, similar to those issued for the Atlantic Coast Intracoastal Waterway, are designed for the small cockpits of pleasure craft, showing the latest channel information available from the Army Corps of Engineers. New editions of Chart 634-SC will be published annually and those of 635-SC every two years.

### **NESC BRIEFS HIGH OFFICIALS**

Staff members from the Senate Appropriations and Commerce Committees, the House Committee on Interstate and Foreign Commerce, and the National Aeronautics and Space Council visited the National Environmental Satellite Center on December 20. They were briefed on the ESSA satellite program by Dr. Robert M. White, ESSA Administrator, and David S. Johnson, NESC Director, and were taken on a tour of the installation.

### **WHAT KONA WIND?**

What is a Kona wind? The answer - a wind from the south or southwest - can be found in a new glossary of weather terms published by the Weather Bureau's Pacific regional headquarters at Honolulu. Designed to improve public understanding of WB forecasts, the 7-page pamphlet has been distributed to users in Hawaii, including newspaper, radio, and television interests. Most entries are fairly common weather terms, but a few have a definite Pacific flavor.

### **USSR NAMES MOON CRATER FOR HAYFORD**

The Soviet Union's Academy of Sciences has named a lunar crater for the late John F. Hayford, a C&GS scientist who died in 1925. The Hayford crater was discovered on the far side of the moon by the Soviet Zond 3 lunar probe. Hayford, employed by the Survey from 1889-1895 and from 1898-1909, is best known for his work in determining the size and shape of the earth. The Hayford Ellipsoid, adopted in 1924 by the International Union of Geodesy and Geophysics, is still the international standard.

### **GUATEMALAN AT C&GS OBSERVATORY**

Engineer Jorge M. Andrade, of the National Geographic Institute of Guatemala, is spending four to six weeks as a visiting scientist at the Coast Survey's San Juan Geophysical Observatory under the sponsorship of the Inter-American Geodetic Survey. Engineer Andrade will calibrate and standardize geomagnetic instruments for use in a special magnetic survey of Central America.

### **GSA No. 7110-823-7620**

The Weather Bureau staff at Pago Pago, American Samoa, had waited impatiently for several months for a new office desk. Last week, a shipment of supplies from GSA was delivered. From a crate believed to contain the desk, incredulous weather observers unpacked 65 snow shovels. (All-time low temperature at Pago Pago is 63° F.)

### **VETERAN C&GS STEWARD DIES**

Claudio Acosta, chief steward on the USC&GSS HODGSON, died December 10. The veteran Coast Surveyman had served over twenty years on various Seattle-based ships.

### **PUGET SOUND STUDY PUBLISHED**

Rear Admiral Harold J. Seaborg, Director of the Pacific Marine Center, C&GS, and Theodore V. Ryan, Director of the Pacific Oceanographic Laboratory, IER, served on the Puget Sound Oceanographic Study Committee which published a report in early December. The study committee recommended establishment of a state oceanographic commission and institute, construction of an underwater aquarium and marine mammal research center in Puget Sound, and formation of an analysis center to cooperate with private industry and Government agencies in exploring and developing the continental shelf.

### **VERA LEWIS RETIRES**

Vera Lewis, meteorological technician with the Analysis and Forecast Division at the Weather Bureau's National Meteorological Center in Suitland, Md., retired on December 30, 1966. Miss Lewis joined the Analysis Center in 1943 and has served on Crew 1 ever since.

### **BURKE RETIRES**

Harold N. Burke, Meteorologist in Charge, Weather Bureau Airport Station, Cleveland from 1954 to 1966, retired December 30, 1966, after 41 years with the Bureau. Mr. Burke began his career as a messenger in 1924 at Syracuse, N.Y. He received the Department of Commerce Meritorious Silver Medal in 1959 for his valuable contribution to public service.

### **EDS EMPLOYEES RETIRE**

Two EDS employees retired on December 30. Joseph S. Barry, EDS' Laboratory for Environmental Data Research, has spent more than 30 years in the Federal service, 26 of them with the Weather Bureau and ESSA. Mr. Barry entered the Bureau at Louisville, Ky., in 1940, transferring to Climatology (now EDS) in 1952. Harold K. Gold, translator for the Foreign Branch, EDS, joined the Weather Bureau in 1928, and has been MIC at both Binghamton and Oswego, N.Y.

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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, WSC, Rockville, Md. 20852. Phone (301) 496-8243.

# **National Oceanic and Atmospheric Administration**

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