

# ESSA NEWS

VOLUME 2 NUMBER 15 APRIL 22, 1966

## ESSA STRUCTURE AMENDED

Department Order 2-B, outlining the organizational structure and functions of ESSA, has been amended to include the Office of World Weather Systems which will be directed by Dr. Richard E. Hallgren. The new office will provide leadership and coordination in the development of plans and operations for United States participation in the cooperative international meteorological program known as the World Weather Watch. Other changes in the order establish a Budget Division and a Finance Division -- budget and finance functions are not altered by this arrangement. John Amstadt will continue as acting chief, Budget Division, and will retain all of the staff now part of the Budget Branch and the Office of the Chief. Horace Hardaway will act as chief of the Finance Division and will take over the former Finance Branch of the Budget and Finance Division. In addition, the Financial Management Systems staff has been transferred to the new Finance Division. Also under this new arrangement, John McCook and Joseph Giza are assistants to Hardaway.

## ITSA RADIO WAVE MEETING

Four scientists from the Institute for Telecommunication Sciences and Aeronomy, Boulder, Colo., presented papers to the joint United States--Canadian conference on ground based radio wave propagation studies of the lower ionosphere last week in Ottawa, Canada. They are John W. Wright, chief of the Ionospheric Structures Program, Aeronomy Laboratory; and Thomas M. Georges, J. Ralph Johler, and Glenn D. Falcon of the Ionospheric Telecommunications Laboratory.



## FIRE WORKS TO SEED CLOUDS

A new airborne cloud-seeding system to be used by ESSA in weather modification studies is under development by Atlantic Research, Alexandria, Va., which was awarded the ESSA contract. The new method consists of pyrotechnic generators and dispensers which will be installed in an Institute for Atmospheric Sciences' Research Flight Facility B-57 aircraft. Generator mixtures when ejected from the aircraft will burn and produce silver iodide particles. After seeding, changes in cloudgrowth processes will be analysed by ESSA scientists.

## NEW CIRCUITS EXTEND FIRE WATCH

The Weather Bureau plans to install two new fire-weather teletypewriter circuits in the Western Region this summer. The Boise, Idaho, circuit will be operational June 1, extending to all fire-control headquarter offices in southern Idaho and western Wyoming and to a Bureau of Land Management office in Vale, Ore. The Missoula, Mont., circuit is scheduled to become operational July 1; it will include all fire-control headquarter offices in western Montana and northern Idaho and a U. S. Forest Service office in Colville, Wash.

### **WESTERN CLIMATOLOGISTS CONFER**

A training conference for State Climatologists and Advisory Agricultural Meteorologists of the Weather Bureau's Western Region was held at Salt Lake City last week. Dr. Harold Harshbarger, Environmental Data Service Director of Field Services, attended the meeting. Other visitors included Saul Price, Honolulu Regional Climatologist, and Harold Searby, Anchorage (Alaska) Regional Climatologist.

### **C&GS SEARCH FOR SUNKEN SHIPS**



ESSA (C&GS) ship Marmer is beginning the second phase of a three-year survey of Long Island and Block Island Sounds' tidal currents. Expected to continue for five months this year, the Marmer's survey will provide complete, up-to-date data on the Sounds' tidal behavior for incorporation in C&GS tidal current tables of the North American Atlantic Coast. The ships Wainwright and Hilgard which work as a team to locate underwater obstructions will investigate Boston Harbor and surrounding areas. The ships will search for sunken wrecks and other underwater hazards to navigation. When an obstruction is found, the water depth over its highest point and an accurate site location will be recorded for subsequent C&GS nautical charts.

### **PAPERWORKERS NEEDED**

The American Management Society has announced that it will accept nominations for its second annual Federal Paperwork Management Award for 1966. It is given to Federal Government employees for outstanding leadership and professional excellence in promoting effective paper work management in Government. Nominations must reach this headquarters by June 10 and should be directed to the Incentive Awards Program Officer, Ad-43. Presentations will be made Sept. 27 in Washington. For details check with your personnel office.

### **SAIL CHECKS COLD FRONT**

The Sea-Air Interaction Laboratory (SAIL), of ESSA's Institute for Oceanography, made a cold air mass study off the coast of Charleston, S.C. April 5-7. With assistance from the C&GS ship Peirce, the Charleston WBAS and the Edisto Island station of the Cooperative Hurricane Reporting Network, SAIL scientists spent three days examining the cold air mass effects as it moved from land to sea. They reported rough and squally weather with winds of from 40 to 50 knots. The Charleston WB station provided data on air mass characteristics over land; at Edisto Island, temperature, pressure, humidity, and wind speeds were recorded as the front left land. Scientists aboard the Peirce measured temperature changes at and below the sea surface. Results of the experiment should help to improve and develop instrumentation for measuring atmospheric and sea changes.

### **REACTOR SAFEGUARDS INCLUDE TSUNAMI**

Two Institute for Oceanography officials will address the Atomic Energy Commission's Advisory Committee on Reactor Safeguards in a meeting at Pasadena, Calif., next week. Bernard Zetler will give a summary of Pacific tsunamis, and Dr. Gaylord Miller will describe the effectiveness of tsunami prediction. The meeting on April 25 is concerned with protection of nuclear reactor plants from seismically induced sea waves.

### **FUTURE SATELLITE ROLE TOLD**



J. Gordon Veath, National Environmental Satellite Center (NESC) Director of System Engineering, addressed the Worcester Polytechnic Institute (Worcester, Mass.) on "Environmental Satellites--Their Future Role and Impact." Two other NESC scientists, Lester F. Hubert and C. O. Erickson, completed a study on a revised system for classifying tropical disturbances from satellite pictures. This system will be tested operationally during the approaching hurricane season.

### **ANOTHER FSE EXAM SCHEDULED**

An additional testing date has been added to the Civil Service Commission Federal Service Entrance Examinations (FSEE) to be given at more than 800 examining points throughout the country (ESSA NEWS #7, March 4). An exam will be given on June 18 in addition to those previously announced for April 16 and May 21. Deadline for filing for the June 18 exam is May 17. The exam is open to college seniors and graduates, as well as to others with a combination of experience and training equivalent to a bachelor's degree. Persons interested in taking the exam should get Civil Service Announcement #369 and application forms available at college placement offices, post offices, CSC regional offices and the Commission Office in Washington, D.C.

### **BURIED LANDSCAPES OFFER DEEP CHALLENGE**

Dr. Harris B. Stewart Jr., Acting Director of ESSA's Institute for Oceanography, will address the 1966 Space Education Institute next week. Speaking on "Submarine Geology--the Challenge of Buried Landscapes", Stewart will give the lecture at the University of Maryland campus, College Park, Md., on April 25, and at the Baltimore, Md., campus on April 26. The Space Education Institute is co-sponsored by the American Institute of Aeronautics and Astronautics and the University of Maryland.

### **ESSAites JUDGE SCIENCE FAIR**

Three ESSA officials served as judges for the earth and astronomical sciences division of the 1966 Prince Georges County (Md.) science fair at the University of Maryland. They are Joel B. Campbell, Planning and Projects Officer for Seismology and Geomagnetism, C&GS; Robert W. Schloemer, Deputy Director for Climatology, EDS; and Lothar A. Joos, Climatology Division Chief, EDS.

### **MIC TO EYE ISTHMUS WEATHER**

Glenn Stallard, Meteorologist in Charge of Philadelphia's WBAS has been appointed ESSA's field director for a two-year meteorological study in Panama, part of a project to determine the best method and route for constructing a sea-level canal across the Isthmus of Panama. At the Atomic Energy Commission's request, ESSA's Institute for Atmospheric Sciences designed a program to analyze weather in the vicinity of the suggested canal routes to check proposed nuclear excavation safety. Scheduled to report this month, Stallard will direct operations and personnel at remote weather observing stations along the routes. Arthur W. Youmans of the WB's Overseas Operations Division is operations manager of the ESSA Interoceanic Canal Project.

### COOK INLET STUDY EXPANDED

ESSA is expanding its hydrographic and oceanographic survey operations in Cook Inlet, Alaska, reflecting the growing importance of this waterway to Alaskan industrial and economic development. The C&GS ship Pathfinder has been working in Cook Inlet each season since 1964. By spring 1967, the C&GS ship Surveyor will be assigned to the same area. Prior to augmented 1967 survey operations, a team of photogrammetric field employees from the C&GS Pacific Marine Center at Seattle will survey the inlet and a C&GS air photo mission will photograph the area to gather basic data for next year's study. Other C&GS ships surveying Alaskan waters this year are the Patton and the Hodgson.

### RECORDS IN YOUR WAY?



Are you plagued by drawers of inactive but important records that crowd the files and slow your filing operation? The National Archives and Records Service (NARS) will store records free, and give one day retrieval service. Any records not needed more than once a month are considered inactive and eligible for retirement to the NARS record center in Alexandria, Va. Call Gordon Williams, Alexandria, for details on Code 1253, ext. 161.

### MAPMAKERS MEET IN MONTREAL

The Aeronautical Information Service (AIS/MAP) Divisional Meeting of the International Civil Aviation Organization is being held in Montreal April 13 to May 7. The United States delegation includes David P. Beatty of the C&GS Aeronautical Chart Division. The AIS/MAP Division which has not met since 1959 is updating international standards and practices for aeronautical information services and aeronautical charts.

### SOUTH SEAS SEE CHANGES

Lothar H. Ruhnke, formerly with Litton Industries in Minneapolis, has been named director of the Mauna Loa Observatory in Hawaii. The Observatory is part of ESSA's Institute for Atmospheric Sciences. The Weather Bureau Airport Station (WBAS) at Pago Pago, American Samoa, began operating April 1, with John Hertel in charge of the new rawinsonde program. On the same date, WBAS Majure, Marshall Islands, moved into a new reinforced concrete office building.

### RECRUITS GUIDED TO COMMERCE

A recruiting guide, "66 Career Fields in the U. S. Department of Commerce", has been published and soon will be distributed to every ESSA personnel office and field installation. The 96-page booklet describes the functions of the Department and its bureaus (including ESSA), indicates which degree majors are recruited, and lists types of positions filled.

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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 1021, Bldg. 5, WSC, Rockville, Md. Phone (301) 496-8193.

# **National Oceanic and Atmospheric Administration**

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