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**ESSA**  
**NEWS**

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### KUTSCHENREUTER NAMED WB PACIFIC DIRECTOR



Paul H. Kutschenreuter, ESSA Deputy Assistant Administrator for Plans and Programs and Chief, User Affairs Group, has been appointed Director of the Weather Bureau's Pacific Region, succeeding James W. Osmun. Mr. Kutschenreuter, who will assume his new duties on September 30, has been in his present position since 1967. Before then, he was Director of ESSA's User Affairs Office. Having joined the Weather Bureau at Houston in 1926, Mr. Kutschenreuter has served at Bureau facilities in Texas, Alabama, Utah, Montana, Washington, Illinois, Massachusetts, Florida, New York, and Washington, D. C. From 1950 to 1955, he directed the Weather Bureau's Eastern Region. In 1955,

Mr. Kutschenreuter became assistant to the Chief of Bureau for Forecasting Services, and in 1960 was named Assistant Chief of the Weather Bureau. A professional member of the American Meteorological Society, he has served as U.S. delegate to meetings of the World Meteorological Organization in several foreign countries and was elected president of the WMO's Commission for Synoptic Meteorology for a four-year term in 1958. Mr. Kutschenreuter holds a master's degree from Rutgers University.

### SEVENTH ESSA SPACECRAFT TO BE LAUNCHED

The seventh ESSA spacecraft is scheduled for launching by NASA on or after August 14 from the Western Test Range, Lompoc, Calif. The new spacecraft will replace ESSA 5 as the primary stored data satellite in the operational system, providing global cloud pictures to aid in weather forecasting and warning. Like ESSA 3 and 5, it contains an array of atmospheric radiation sensors to gather information for research on the earth's heat balance. Automatic picture transmission (APT) satellites currently in operation are ESSA 2 and ESSA 6.

### **AVIATION WX SERVICES RATE HIGH IN ESSA STUDY**

A study recently completed by the ESSA Office of Plans and Programs points up the effectiveness of Weather Bureau services to general aviation while acknowledging the need for expanded services, new technology, and pilot weather education. The study was made in response to a March 1968 letter from the National Transportation Safety Board (NTSB) to Dr. Robert M. White, ESSA Administrator.

The NTSB letter stated that 13.1 percent (751) of total general aviation accidents in 1966 were weather-related, with 2.4 percent being the direct result of weather. Twenty-six recommendations for improving aviation weather services, based on data gathered by NTSB over a period of years, accompanied the letter. The ESSA study attempted to determine the relationship between the quality of weather services and weather-related accidents as reported in the NTSB Summary of 1966 General Aviation Accidents.

ESSA's evaluation of the 751 general aviation accidents cited by NTSB estimated that deficiencies in the quality of the aviation weather services were a factor in less than one percent of the 1966 accidents.

The ESSA report also noted that the weather's role could not be precisely established in many cases, and that, in others, the determining factor lay in operational rather than atmospheric events. Based on the NTSB 1966 Summary, it appeared that about half the pilots involved had not used available weather services; in other cases, it appeared that the weather information received had been incorrectly applied to the in-flight situation.

The ESSA study concluded that implementation of NTSB recommendations, many of which are included in interagency plans for an expanded Federal aviation weather service, and the adoption of certain additional recommendations, would "do as much as can be reasonably done by ESSA to reduce general aviation accidents." But, the report added, improvements will also require pilot education in aviation weather and weather services, and actions beyond the purview of ESSA or the reach of its services.

### **LEHR-HUBERT BOOK RECEIVES RAVE REVIEWS**

Paul E. Lehr and Lester F. Hubert of NESAC are co-authors of a 120-page book entitled "Weather Satellites" recently published by the Blaisdell Publishing Company, Waltham, Mass., and favorably reviewed in the American Meteorological Society Bulletin. The book, written for the educated layman and the student as well as professional space meteorologists, describes how the space age has revolutionized the practice of weather observations. It is a straightforward, intelligent account of what weather satellites are and what they can do.

## HARADEN APPOINTED ALASKA FIELD DIRECTOR



Commander Gerard E. Haraden succeeds Captain Howard S. Cole as field director of Alaskan operations for the Coast Survey on August 13. Commander Haraden joined the Coast Survey in 1951 following his graduation from the University of Maine. His career has included duty aboard seven Coast Survey ships; with field parties in Oregon and California; at the Fredricksburg Geomagnetic Center; as officer-in-charge of the Honolulu Observatory; and as assistant chief of the Facilities Division in

Washington, D. C. Prior to his present appointment, Commander Haraden was executive officer aboard the Coast Survey ship OCEANOGRAPHER.

## VERIFY INSURANCE COVERAGE

All ESSA employees covered by the Federal Employees Group Life Insurance should have received either the regular or optional insurance certificate within the last two months. If certificates have not been received, please contact your personnel office.

## SHIPS FOR SALE

Two decommissioned Coast Survey ships--the LESTER JONES and PATTON--are for sale in Seattle, Wash., by the General Services Administration. The 88-foot vessels, suitable for conversion to yachts, will be sold to the highest bidders when bids are opened on August 13. Bid forms are available from GSA.

## CLIMATOLOGICAL MAPS LAUDED

ESSA, EDS, and C&GS employees have jointly produced a set of climatological maps that have been praised by the photogrammetry community as a major contribution to the planning of aerial photography. The set consists of 12 monthly "Clear Day Maps" for the United States, and was published in color in July by the American Society of Photogrammetry as part of their Manual of Color Photography. This Manual, with a circulation in the tens of thousands, has both national and international distribution. Employees involved were: Harland R. Cravat of C&GS, who wrote the Manual chapter in which the maps appear; Robert W. Schloemer, Lothar A. Joos (now Central Regional Climatologist), John L. Baldwin and Harold Lippmann of EDS, who provided the climatological analyses; and Edwin F. McCann and William E. Jones of ESSA's Office of Administration and Technical Services, who were responsible for the preparation of the finished product.

## HAM STATION RECEIVES WORLD ACCLAIM



Stephen S. Barnes, an ESSA Research Laboratories employee and a prominent ham radio operator, has assembled an amateur radio station (WFØITU) at the University of Colorado for the use of delegates to the International Radio Consultative Committee (CCIR) study group meetings held at Boulder, Colo., July 9 - August 7. The station operates at 10, 15, and 20 meters, but is capable of covering all high frequency amateur bands. Contacts have been made with every conti-

nent since the station began operating on July 7. A major activity of amateur radio operators is the exchange of special postcards to confirm radio contact. Ham operators have nearly a month in which to contact station WFØITU and obtain a card before the station is dismantled in late August. The CCIR meetings were co-hosted by ESSA and the National Bureau of Standards. Shown are CCIR Director Jack W. Herbstreit (left), who suggested the station, and Stephen S. Barnes.

## BOYD AWARDED PACIFIC POST

H. E. Boyd, former meteorologist in charge of the Kwajalein WB Airport Station, became the Pacific Region's radar meteorologist on August 5.

## RETIRED COAST SURVEY OFFICER DIES

Captain Henry E. Finnegan, a retired Commissioned Corps officer, died July 30 in East Dorset, Vt. Captain Finnegan served with the Coast Survey from 1921 to 1958. His assignments included service on the USC&GSS RANGER, EXPLORER, FATHOMER, the old OCEANOGRAPHER, and as commanding officer of the LESTER JONES and the PIONEER. He was also chief of the Tides and Currents Section and New York District Officer.

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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