

**ESSA**  
**NEWS**

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**WEATHERMEN TO HAVE THEIR DAY**

On Mar. 23, the 129 member nations of the World Meteorological Organization will observe World Meteorological Day. The theme of this year's observance is "Weather and Water," in recognition of the International Hydrological Decade which began in 1965. During the Decade, international programs are being directed toward expanding knowledge of the global water cycle.

**DAVIDSON COMMISSIONED IN NORFOLK**

A new hydrographic survey ship, the USC&GSS DAVIDSON, was commissioned Mar. 10 at the Atlantic Marine Center in Norfolk. Rep. George P. Miller, chairman of the House Committee on Science and Astronautics, delivered the principal address at the ceremony. The DAVIDSON, a sister ship of the McARTHUR, is named for George Davidson, a 19th-century geodesist, geographer, and astronomer with C&GS. Her commanding officer is Lt. Cdr. K. William Jeffers.

**ADMINISTRATIVE OPERATIONS CHIEF DIES**

Ernest L. Kvam, chief of ESSA's Administrative Operations Division, died suddenly on Mar. 14. He had headed the Weather Bureau's Administrative Operations Division from 1958 until the formation of ESSA. Mr. Kvam held a bachelor's degree in business administration from the University of Washington and an M.A. from George Washington University. He began his career with the Weather Bureau in 1941, working at Seattle and Salt Lake City before transferring to Washington, D.C., in 1951. In 1965 he received the Commerce Silver Medal for his valuable contributions to administration and management in the Weather Bureau.

**ESSA 2 IS ONE YEAR OLD**

On Feb. 28, ESSA 2 had been in orbit for a year, and its cameras had operated -- taking and transmitting cloud pictures -- a total of 3622 hours. ESSA 2 was turned off on Mar. 9, because it was crossing the orbit of ESSA 4 and interfering with transmission from that spacecraft. It is expected that the cameras can be turned on again before the end of March.

**BIRDWATCHING WEATHER ANALYZED**

An article by Dr. A. B. Pack, New York state climatologist, on the subject of the relationship between weather and the spring migration of waterfowl, appeared in the January issue of The Kingbird, a quarterly publication of the Federation of New York State Bird Clubs, Inc.

### **ANOTHER SNOW JOB FOR RFF**

A DC-6 of the Research Flight Facility collected data Mar. 7 off the mid-Atlantic and New England coast for the east coast snowstorm study. This was the second and final flight in the program; the first was made on Feb. 18. The research project, aimed at developing improved methods of forecasting east coast snowstorms, is being conducted by Silvio G. Simplicio, chief of Scientific Services for the WB Eastern Region, with the assistance of the New York University Department of Meteorology and Oceanography. Mr. Simplicio will study the data gathered by the aircraft and by a dense observing network to seek better understanding of the structure and mechanics of snow-producing cyclones.

### **SURVEYOR ANSWERS CALL FOR HELP**

The USC&GSS SURVEYOR temporarily suspended an oceanographic survey in the Pacific to answer a call for medical assistance. The SURVEYOR sped to rendezvous with the German ship CAP FRIO, and her physician, Dr. George A. Creed of the Public Health Service, found the patient in serious condition. Dr. Creed remained aboard the German vessel as it headed for port at Pago Pago, but he was unable to save the patient.

### **BLANC NAMED TO PERMANENT WMO POST**

Milton L. Blanc, who retired as EDS' Field Research Coordinator Dec. 30, has been appointed Permanent Secretary to the World Meteorological Organization's Commission for Agricultural Meteorology. Mr. Blanc headed the U. S. delegation to the Commission's meeting in 1953 and continued to serve as a member until his retirement.

### **OCEANOGRAPHER HAS NEW APT-ITUDE**

Equipment for reception of cloud-cover pictures from Automatic Picture Transmission (APT) weather satellites has been installed on the USC&GSS OCEANOGRAPHER. The ship's meteorologist, Ensign Colin L. Campbell, was at the National Environmental Satellite Center last week for training in APT tracking and gridding procedures and in picture interpretation and application.

### **WIND COMPUTED AT NMC**

On Mar. 15, the National Meteorological Center began computation of wind factors for six North Pacific air routes. Although no wind direction is given, the factors will help navigators figure time and fuel requirements between the United States and Japan.

### **TAYLOR GOES BACK TO SCHOOL**

Cdr. Eugene A. Taylor, chief of the C&GS Satellite Triangulation Division, is at Ohio State University in Columbus for 18 months of graduate study.

### ESSA MEN TAKE PART IN FAUSST

A number of ESSA men took part in the FAA-sponsored FAUSST V (Franco-Anglo-U.S.-Supersonic Transport) meeting Feb. 27-Mar. 3. DeVer Colson (WB) was the official ESSA representative, and Fred Finger (WB) was official recorder for the Meteorological Operations Group. R. W. Knecht and R. Olson (ITSA) presented a working paper on cosmic radiation warning operations. Other ESSA personnel attending the meetings were N. A. Lieurance, Director of Aviation Affairs, Dr. James Angell (IAS), and Dr. Sidney Teweles, Ralph James, Charles Roberts, E. B. Fawcett, Paul Hexter, and J. J. Crubaugh (WB).

### NEIC PUBLISHES EARTHQUAKE BULLETIN

The first issue of the "Earthquake Information Bulletin," published by the National Earthquake Information Center, contains summaries of earthquake activity in 1966 and articles on the remarkable earthquake swarm in Matsushiro, Japan, the possible "man-made" quakes in Denver, and the field investigation of the December Chilean earthquake. The bulletin is intended to present information on seismology to readers who are not necessarily specialists in this science.

### NOW AN INSTRUMENT TALKS ABOUT IT

A talking weather instrument, now being tested at the Weather Bureau, reports observational measurements in numbers that change according to the conditions. The electronic device, a digital-to-voice converter, was conceived by Claude A. Kettering and Otis Payne of the WB Engineering Branch. It could monitor any weather phenomenon, but the set now in test reports on cloud height and visibility because they were considered the most difficult elements to assimilate into the talking system.

### TWO ESSA PAMPHLETS AVAILABLE

Two public information pamphlets, Floods and Flood Warnings and Lightning, have recently come off the press. Lightning includes information on the life cycle of a typical lightning stroke, the various forms of lightning, and safety measures for self protection. The flood pamphlet describes ESSA's river forecast and flood warning services and lists some flood safety rules. ESSA offices can obtain the publications from the C&GS Distribution Division (C44) in Rockville. They are available to the public through the Superintendent of Documents, at 15¢ each for Lightning and 10¢ each for Floods and Flood Warnings.

### CALIFORNIANS MAKE TV APPEARANCE

A. F. Gustafson, MIC of the San Francisco WB Airport Station, and C. R. Elford, California state climatologist, appeared on a ½-hour color television program Mar. 5. The program, "The Golden Gate Story," was a panel discussion of weather and climatology.

### **ASP SALUTES ESSA MEN**

Two ESSA employees were honored at the Joint Convention of the American Society of Photogrammetry and the American Congress on Surveying and Mapping. Charles Hanavich, civil engineer in the C&GS Office of Geodesy and Photogrammetry, received a Presidential Citation for Outstanding Service to the American Society of Photogrammetry. G. Carper Tewinkel, IES photogrammetrist, was given the ASP award for outstanding contributions in the field of photogrammetry.

### **EARTH STRESSES DISCUSSED AT BOULDER**

An internationally known geologist and geophysicist, Professor Walter Elsasser of Princeton University, spoke Mar. 17 at IER Boulder on long-distance stresses in the upper mantle. He discussed large-scale stresses in the earth and their influence on geologic changes such as continental drift.

### **THE WELCOME MAT**

New employees in the C&GS Mid-Continent Field Area are Billy M. Spencer, Lewis E. Cass, Charles S. Milhorn, Jason M. Hudson, Vernon E. Hughes, Charles H. Bergman, and Dallas A. Uhrich. The Weather Bureau Central Region welcomes Don Joseph Pedigo, Indianapolis; George H. Sickels, Louisville; and Ralph Robb, Milwaukee.

### **SERVICE AWARDS**

Length-of-service awards were presented in February to the following people in the WB Western Region: Paul A. Arnerich, San Francisco, 30 years; Phillip Larch, Medford, and David I. Wise, Santa Maria, 25 years. Service Awards are due in March to the following WB Eastern Region personnel. 30 years - Ella K. Niederkorn, Cincinnati. 25 years - Nicholas E. Rizzo, ERH; Charles G. Knudsen, ERH; James B. Perry, Boston; Samuel K. Parrish, Charleston, S. C.; Carl M. Relyea, Cincinnati; Robert F. Bowes, Cleveland; William E. Kennedy, Cleveland; Edgar Shoonmaker, New Haven; Christopher T. Legano, JFK New York; Charles E. Archambault, Dulles, Washington, D.C.; and John T. Murray, Williamsport, Pa. 20 years - James A. Carr, JFK New York.

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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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