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C&GS OBSERVES 162ND ANNIVERSARY

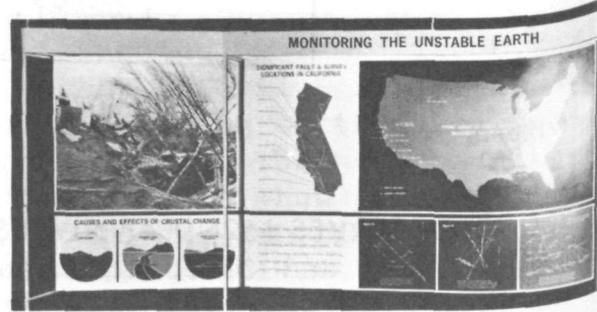
The Coast and Geodetic Survey, the nation's oldest scientific agency, will celebrate its 162nd anniversary on Feb. 10, with a reception in the office of the Director. Beginning early in the 19th century, the agency has developed the science and art of surveying and cartography in the United States and has maintained one of the world's leading surveying and charting organizations for more than a century and a half. First called "A Survey of the Coast," later the "Coast Survey," and, since 1878, the "Coast and Geodetic Survey," it is one of the federal government's principal scientific agencies, becoming a part of ESSA in 1965. Prominent people associated with the Coast and Geodetic Survey have included Admiral Robert E. Peary, James McNeill Whistler, and Alexander D. Bache, great-grandson of Benjamin Franklin and founder and first president of the National Academy of Sciences.

WB AIDS BATTLE AGAINST OIL SLICK

The Weather Bureau Forecast Office at Los Angeles has dispatched a fire-weather mobile unit and three forecasters to provide weather service to persons battling to control the huge oil slick off the California coast. A change in winds brought the oil slick to the beaches near Santa Barbara. Fed by a 1000-gallon-an-hour gusher from a well in the Santa Bar-



bara Channel, the oil covers an estimated 800 square miles. In the harbor, boats and yachts valued at 20 million dollars are surrounded by six-inch deep oil; a herd of seals is trapped on an island surrounded by oil. Manning the mobile weather unit are: George R. Ellis, Gordon C. Shields, and Donald V. Lust.



ESSA EXHIBITS GENERATE PUBLIC INTEREST

Coast Survey and Weather Bureau personnel manning the ESSA exhibit at the National Boat Show, held in New York, Jan. 25 - Feb. 2, received first-hand user opinions and reactions. The WBFO New York VHF Broadcast (KWO-35) played a prominent role in the exhibit. A vast interest was expressed in extension of the VHF service to eastern Long Island and Rhode Island. The exhibit (left photo) was excellent in design and well received. There were many requests for ESSA publications by educational groups.

An ESSA exhibit (right photo), "Monitoring the Unstable Earth," is being displayed in San Francisco. Previously viewed at the Customhouse, the Federal Office Building, the Randall Junior Museum, and the Wells Fargo Bank, the exhibit's next scheduled showing is at the Fort Sill, Okla., Armed Forces Day celebration in mid-May.

ATLANTIC TRADEWIND EXPERIMENT UNDERWAY

Scientists of three nations--the United States, Great Britain, and West Germany--are spending three weeks aboard four vessels drifting across the equatorial region of the Atlantic Ocean to study in detail the interaction of the sea and air where the tradewinds generate much of the weather for North America and Europe. The international study is known as the Atlantic Tradewind Experiment (ATEX). By drifting, rather than sailing, the scientists hope to conduct sea/air experiments and measurements of air and water motions without the complicating factor of ship movements. Vessels participating in the study are the USC&GSS DISCOVERER, the British Navy hydrographic survey ship HYDRA, and the West German research ships METEOR and PLANET. The ships are scheduled to meet off Africa 850 miles west of Dakar and about 600 miles west of the Cape Verde Islands to synchronize their instruments. They then began drifting in a southwesterly direction with the prevailing winds and currents. At the end of the drift period, the ships will regroup to compare their results. The American research phase of ATEX is being coordinated by the Sea-Air Interaction Laboratory of ESSA's Atlantic Oceanographic Laboratories in Miami, with Feodor Ostapoff as the Chief U.S. Scientist for the project.

COHEN AND HUNSUCKER CHOSEN IEEE OFFICIALS

Two ERL scientists have been elected to head the Denver/Boulder Electrical and Electronics Engineers Group on Antennas and Propagation during 1969. Dr. Robert Cohen, ERL physicist, was chosen as chairman, and Robert D. Hunsucker, ERL's Institute for Telecommunication Sciences, was named vice-chairman of the group. The Denver/Boulder Chapter has a membership of about 80 scientists interested in plasma physics, electromagnetic theory, antennas, and propagation.

AMS SYMPOSIUM OPENS FEB. 10

ESSA scientists participating in the Symposium on Meteorological Observations and Instrumentation set for Feb. 10-14 in Washington, D. C., are: Dr. Robert M. White, ESSA Administrator, who will address the opening session; and Dr. Sidney Teweles, Chief, Data Acquisition Division, Weather Bureau, who will serve as general chairman of the symposium. Presenting papers are: M. A. Alaka, F. G. Shuman, L. P. Harrison, V. D. Rockney, D. T. Acheson, P. L. Hexter, S. A. Spivey, W. Shinnars, K. E. Wilk, E. Kessler, M. Ringenbach, A. J. Goodheart, H. L. Crutcher, J. A. Cunningham, H. W. Yates, R. E. Hallgren, and C. G. Little. Participating in panel discussions are: G. P. Cressman, J. Smagorinsky, V. D. Rockney, M. Techter, D. Pack, S. G. Bigler, J. Simpson, E. Barrett, C. Harmantas, J. W. Townsend, Jr., and S. Rosenthal.

SCIENTISTS ASSIST FORMOSA RESEARCH

Dr. Wallace H. Campbell, Director of ESSA's Geomagnetism Laboratory, and Sadami Matsushita, consultant, will visit the Radio Wave Research Laboratories near Taipei, Taiwan (Formosa), Feb. 13-15, to provide partial support for observations of rapid magnetic field variations at the Taiwan Laboratories in the form of equipment and consultative services. During the visit, Drs. Campbell and Matsushita will discuss initiation of the micro-pulsation studies and general problems in geomagnetism research.



SALADIN NAMED FAIRWEATHER EXEC

Lt. Cdr. Gerald C. Saladin became the new executive officer of the USC&GS Ship FAIRWEATHER, based at Seattle, Wash., on Feb. 1. Lt. Cdr. Saladin was formerly with the Research Flight Facility at Miami, Fla.



MONSON TO HEAD MONT. WEATHER OFFICE

Milo P. Monson has been named official in charge at WBO, Havre, Mont. Mr. Monson, who began his Weather Bureau career in 1937 at Williston, S. Dak. has served at Seattle, Portland, and Missoula. He received a bachelor's degree from the State Teachers College, Moorhead, Minn., in 1936.

SEISMIC FACILITY PLANNED FOR JAPAN

A tentative agreement between the Japan Meteorological Agency and ESSA has been reached to install jointly a special seismographic facility in the center of Hokkaido, Japan. The facility is expected to greatly improve the Japanese Regional Tsunami Warning System and the International Tsunami Information Center in Honolulu and benefit the Coast Survey's worldwide earthquake location program.

FIELD SURVEYS PROGRESS IN CALIF.

C&GS field surveys are presently underway at Stockton (Calif.) Metropolitan Airport; and San Diego (Calif.) International-Lindbergh Field.

ATS OBSERVES CALIFORNIA RAINSTORM

Pictures were taken by the ATS-1 geostationary satellite on Jan. 27 to aid in the study of the subtropical jet's role in the Southern California rainstorm.

NEW SHIP ASSIGNMENT FOR BOSSLER

Lt. Cdr. John D. Bossler has succeeded Lt. Cdr. Dee E. Kimbell as executive officer of the USC&GS Ship DAVIDSON.

SERVICE AWARDS

The following WB Southern Region employees were eligible to receive length-of-service awards during January: 30 years - Raymond J. Clark, Jr., and John G. Moore, Fort Worth; Earl H. Johnson and Emile A. Morrison, Jacksonville, Fla. 25 years - Jarvis J. Younger, Jr., Brownsville, Tex.; and Ophelia Tisdale, Miami. 20 years - Jack A. Williams, Amarillo, Tex.

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National Oceanic and Atmospheric Administration

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