

## USC&GS RUDE IS LAUNCHED

Administrator Dr. Robert M. White and Rear Admiral James C. Tison Jr., Director of the Coast and Geodetic Survey, spoke at the launching ceremonies at Oyster Bay, Long Island, N.Y., of the new USC&GSS RUDE. The vessel is a wire drag survey ship for close-in shore hydrographic observations.

## MOON PICTURES RELY ON ESSA FORECASTS

Scientists of the Space Disturbances Forecast Center, Institutes for Environmental Research (IER) predicted that pictures taken by NASA's Lunar Orbiter should not be materially affected by solar emissions. The Center was asked by NASA to prepare a 14-day forecast of solar flare activity and proton emission during the critical orbiting and picture-taking time of Lunar Orbiter. A high flux of solar protons could fog photographic film. The 14-day forecast was the first formal prediction of that length made by the Center -- in the past, forecasts have been limited to a period of from 24 hours to three days. To make the prediction, Boulder scientists had to analyze the entire previous 11-year cycle of solar activity including many earlier 27-day cycles before they were confident of their findings. Scientists working with Project Leader Robert Doeker were: Roger Olson, consultant to R. W. Knecht, Director Space Disturbance Laboratory; Patrick S. McIntosh and Dale B. Bucknam, Space Disturbances Forecast Center; Dr. Constance Sawyer, solar astronomer, IER; and Mrs. Marion Haurwitz, physicist specializing in solar phenomena.

## UNDERWATER RECORDINGS MAKE FULL RECORDS

Recordings covering 30 days have been processed of the instrumentation installed on the Underwater Stable Platform 100 miles west of Los Angeles. Full records were made of three internal recording current meters and a wave height recorder. This will make it possible to analyze both surface conditions and current velocity and direction to a depth of 4,000 feet.

## SIX NAMED FOR IOC MEMBERSHIP

United States memberships on the several working groups of the Intergovernmental Oceanographic Commission (UNESCO) have just been announced, including six memberships by ESSA scientists. Dr. Robert E. Burns (IO) is on the Mutual Assistance Working Group, and Dr. Leon S. Pocinki (S&E) is on the Ocean Atmosphere Interchange Working Group. Dr. Harris B. Stewart Jr., (IO) is the U. S. Member on the Data Exchange Working Group, and James M. Klaasse (C&GS) is the U. S. National Coordinator for the International Coordination Group on the Tsunami Warning System with Dr. Stewart as Assistant National Coordinator. Allen Barnabei (Office of Radio Frequency Management) is on the Communications Working Group. These groups are the action arms of the Intergovernmental Oceanographic Commission, an organization with which ESSA scientists have been involved since its inception in 1961.

## NEW LAW LIBERALIZES FECA

On July 4, 1966, the President signed into law the "Federal Employees Compensation Act Amendments of 1966." The Act provides workmens' compensation benefits to civilian employees of the Federal Government, or their survivors, on account of injury or death sustained in the performance of duty. The significant changes include: 1) increases in the minimum and maximum amounts of compensation with provision for further increases if Federal salary levels change; 2) increases in existing awards based on consumer price index changes since 1958, with provision for further increases based on certain changes in the CPI; 3) continuation of compensation to surviving children of deceased employees in full-time college level school attendance--up to age 23; 4) increases in allowances for attendants needed to assist the very seriously disabled; 5) payment of lump sums, consisting of 24 months compensation, to widows or dependent widowers upon their remarriage; 6) provision for informal hearings at any beneficiary's request who is not satisfied with a decision under the Act.

## SCIENTIST URGES SEISMIC DATA INCREASE

Seismologist James F. Lander of the Coast and Geodetic Survey, last week concluded a visit to observatories in Algeria, Iran, Pakistan, and India. He encouraged an increase in the frequency and quantity of seismic data for the Preliminary Determination of Epicenters program of the C&GS and gave advice and recommendations on the selection and establishment of new international seismic stations.

## FEDERAL EXECUTIVES SLATED TO GO WEST

A second Executive Seminar Center will be established at Berkeley, Calif., in September for training mid-career Federal executives. It will be directed by James R. Beck Jr., of the Civil Service Commission's Office of Career Development. The Commission established a similar center at the U. S. Merchant Marine Academy at Kings Point, Long Island, N.Y., in 1963. The Kings Point Center has provided training for more than 1,600 Government career executives. The Berkeley Center is being established to meet the needs of employing agencies which have consistently requested more training spaces than the Commission could provide at Kings Point. Its location on the West Coast will be more accessible to Federal agencies west of the Mississippi.

## EARTHQUAKE PREDICTION RESEARCH REVIEWED

ESSA's Earthquake Predictions Committee met at the Boulder Laboratories last week to consider programs and progress in the problem of understanding earthquakes. Dr. Don Tocher, Director of the Earthquake Mechanisms Laboratory of the Institutes for Environmental Research, discussed plans of his laboratory in San Francisco. Dr. Tocher, Dr. Robert L. Sykes of the Lamont Geological Observatories, and Dr. Major discussed a recent meeting of the United States-Japan Cooperative Committee on Earthquake Prediction. Dr. Major also reported on recent strain meter measurements and installations to the committee members and guest scientists at the one-day meeting.

## EYES RIGHT!

The annual parade of the American Legion's national convention will be held Aug. 29 in Washington. Supervisors will adopt liberal policies of approving requests for annual leave or leave without pay from ESSA employees in the metropolitan area desiring to attend.

## BETTER WEATHER SERVICES FORECAST

The Federal Coordinator for Meteorological Services and Supporting Research has announced the formation of an interagency task team composed of representatives from the Atomic Energy Commission, the Departments of Commerce, Defense, Health, Education and Welfare and the Federal Aviation Agency. The team reports to the Interdepartmental Committee for Applied Meteorological Research. Chaired by Dr. Mikhail Alaka of the DOC, the group will prepare a coordinated Federal plan to solve meteorological problems on the sub-synoptic scale which will lead to better weather services. The Federal Committee for Meteorological Services and Supporting Research endorsed the Federal Coordinator's recommendation.

## ENIWETOK RACKS UP A FIRST

The Eniwetok Weather Station inaugurated the ARCAS meteorological rocket program with a successful launch on July 29 by an Air Weather Service team and Weather Bureau station personnel. Radar tracking was done with the AN/CPS-9 radar. This is believed to be the first time this type radar has been used to track a rocket payload. The Weather Bureau team was directed by MIC Warren Fitzgibbons with the assistance of electronic technician Leroy Hartle. Future rocketsonde programs include support of the Apollo-Saturn project and a routine schedule beginning September 1966.

## HYDROPLANES UNLIMITED

The climactic event of Seattle's annual 10-day Seafair celebration is the unlimited hydroplane race held the first Sunday in August on Lake Washington. This year, ESSA's C&GS once again participated in preparation for the Seafair Unlimited Regatta. Capt. Harold J. Seaborg, Director of the Pacific Marine Center, is the permanent agency representative on the race committee; Paul Fisher and George Fernandes of his staff, as members of the Course and Surveys Committee, assisted in locating the permanent underwater anchors to which course buoys are attached. All course surveys are based on C&GS geodetic control stations on shore. The late Rear Admiral Charles Pierce and his aides laid out the course when he was Seattle District Officer in 1953, and C&GS personnel have collaborated with Corps of Engineers surveyors ever since.

## SUN GETS IN YOUR EYES

An Eastern Weather Bureau Region electronics technician, while working on a rotating-beam ceilometer projector on a cloudy day, got an eyeful when sunlight suddenly appeared through the clouds and the concentrated rays were reflected from the instrument's mirror into his eyes. Personnel working on similar equipment (fixed-beam ceilometers, ceiling lights, etc.) should take extreme caution to protect their eyes from parabolic mirror's focused sunlight.

## EASY MONEY

The attention of ESSAites is called to a financial bargain -- U. S. Savings Bonds. Did you know that at maturity (seven years) they may be exchanged for "H" Bonds, which defers payment of Federal income taxes on the interest from the "E" Bonds? Or that all Series "E" Bonds have a 10-year extension privilege during which they continue to draw 4.15 per cent interest? Other attractive features include the fact that at the owner's option they may be redeemed at any time after two months from issue date, without notice, at most banks and other financial institutions. For further information, see the U.S. Savings Bond representative in your office.

## RINEHART IS SENIOR RESEARCH FELLOW

Dr. John S. Rinehart has been appointed Senior Research Fellow for the Institutes for Environmental Research, Boulder, Colo. Dr. Rinehart, former Acting Director of the ESSA's Office of Science and Engineering, will conduct independent research and act as consultant to Dr. George S. Benton, IER Director, in the area of earth sciences.

## AWARDS

Length of service awards go this month from the mid-west to the mid-Pacific. In the Pacific Region, David Miller of the Truk Weather Bureau Airport Station, with 25 years, Grace Chinaka and Laura M. Foo of Pacific Region Headquarters, with 20 years, and Yuji Takemoto of the Lihue Weather Bureau Airport Station 20 years, were honored. The following personnel in the Central Region become eligible for length-of-service awards this month: 30 years, Murl V. Renneke, Minneapolis, Minn., Louis J. Solheim, Sioux City, Iowa. 25 years: Henry P. Johnson, Louisville, Ky., Leo F. Jeske, St. Paul, Minn., Mathias G. Bates, Springfield, Ill., Charles E. Petzhold, Indianapolis, Ind., Leonard A. Waas, Chicago, Ill. 20 years: Max R. Griffith, Wichita, Kan., Miss Ina Mae Stolte, Denver, Colo., Miss Georgia B. Bassett, Lansing, Mich. 15 years: John A. Ward, Waterloo, Iowa, William E. Lockett, Evansville, Ind., Donald E. Wick, Green Bay, Wisc., Bernard P. Oelke, NSSFC, Kansas City, Mo.

In the Western Region, the following have received length of service awards: Herbert F. Huennekens, WBAS, Billings, Mont., - 30 years; Victor M. Sprogue, WBAS, San Francisco - 30 years; Chester M. Veliquette, WBO, Sacramento, Calif., - 30 years; Philip W. Allen, ARFRO, Las Vegas, Nev., - 25 years; Bernard L. Killion, PWP, San Francisco - 25 years; George W. Mannion, WBAS, Oakland, Calif., - 25 years; Harvey H. Matzner, WBAS, Burbank, Calif., - 25 years; Robert R. Roland, WBAS, Lewiston, Idaho - 25 years; Allen S. Shupe, WBAS, Salt Lake City, Utah - 25 years; Orvil R. Warner, WH, Salt Lake City - 25 years; Donald L. Olson, PWP, San Francisco - 20 years; Bessie M. Paul, WBAS, Billings, Mont., - 20 years; Donald T. Shankle, WBAS, Salem, Ore., - 20 years; Willie E. Huxman, WBASO, Twin Falls, Idaho - 15 years; and Sanford B. Van Leuven, WBFC, Seattle - 15 years.

## CLIMATIC SUMMARIES AID HEALTH

Dr. I. H. Kornbleh, University of Pennsylvania Graduate Hospital, a long-time advocate of the Climatic Summaries of Resort Areas published by EDS, has arranged for them to be distributed to members of the American Institute of Medical Climatology. The resort summaries cover climatic factors important to people seeking convalescent or recreational facilities.

## MAINE COAST TO GET MARKER

Arrangements are being made for the installation of a geodetic marker off the Maine coast during the week of Aug. 22, in connection with the continental shelf study. Reconnaissance of triangulation stations along the coast in the vicinity of the planned site has been completed.

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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, Rockville, Md. 20852. Phone (301) 496-8431.

# **National Oceanic and Atmospheric Administration**

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