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PRESIDENT SPEAKS AT OCEANOGRAPHER COMMISSIONING

President Lyndon B. Johnson was the principal speaker when ESSA celebrated its first birthday on Wednesday, July 13, with the commissioning of the USC&GSS Oceanographer at the Washington Navy Yard. Distinguished guests at the ceremony included Mrs. Johnson, Secretary of Commerce John T. Connor, Senator Warren Magnuson of Washington, Dr. Don Hornig, Science Advisor to the President, Gov. Burns of Hawaii, and the Rev. Frederick B. Harris, chaplain of the Senate. Commissioning of the gleaming new floating laboratory, most modern and advanced vessel of its kind ever built in the United States, was the prelude to a week-long round of visits that saw thousands of persons inspecting the 303-foot, 3800-ton ship. The Oceanographer is being prepared for expeditions to the South Atlantic and around the world. The commissioning was the highlight of a global observance of ESSA's first year of operation. The event was marked by open house at ESSA facilities, not only in major installations in Washington and through the nation, but in such distant places as Pago Pago and Alaska, where residents obtained a view of ESSA at work. Object of Operation Open House was to give the general public an opportunity to learn more about the science- and-service programs for which the agency was created, and to discover the areas in which ESSA serves. Returns from scores of installations indicate that the Open House was a success.

WMO SALUTES ESSA'S ANNIVERSARY

ESSA Administrator Dr. Robert M. White received the following message from D. A. Davies, Secretary-General of the World Meteorological Organization: "On first anniversary of the founding of ESSA please accept warm congratulations on very successful beginning and best wishes for future. Not only is ESSA serving well the U.S. but is supporting so fully and so loyally activities of WMO. It is maintaining the long tradition of U.S. support for international meteorology for which we are grateful. Meteorological achievements of ESSA far too numerous to repeat but particularly mindful today of commencement in February of world's first meteorological operational satellite system which is already bringing important benefits to many countries of the world. We look forward to your continued close collaboration with WMO in the extremely important developments which lie ahead."

ESSA 150 STRONG IN YOC

ESSA has hired more than 150 young men and women from 16 through 21 years of age for summer jobs under the President's Youth Opportunity Campaign (YOC). Half of these are taking their first steps toward career development and others are working to help pay for continued education. ESSA is proud to train and assist these young people to learn of Government and to help them acquire a sense of responsibility -- they are the skilled workers and leaders of tomorrow.

CONTINENTAL SHELF HAS VAST US POTENTIAL

The tremendous economic potential of the United States' continental shelf regions -- an undersea area of some one million square miles -- was examined in a study released to the public by ESSA on June 30. The report stated that economic activity in the regions of the continental shelf totaled an estimated \$21.4 billion in 1964. Natural resources such as oil, gas, and fish taken from these areas amounted to almost \$1.2 billion. Ship and cargo salvage value was estimated at \$6 million. The remaining \$20.2 billion was made up of income, investments, and expenditures associated with the services, missions, and activities of private and Governmental groups. For the future, the study foresees a significant increase in activities on the continental shelf. In research and development, recreation, and mining and petroleum activities, an annual growth rate of from 10 to 15 percent is expected over the next 10 years. An authority quoted in the report predicts that in 25 years the free world will be getting 25 percent of its oil and gas from beneath the floors of the world's oceans and seas.

CLOUDS BY THE NUMBERS

Digitized cloud mosaics of the tropical Atlantic, Caribbean, Gulf of Mexico, and the Eastern Pacific are being transmitted experimentally by facsimile from the National Environmental Satellite Center, Suitland, Md., to the National Hurricane Center, Miami.

DR. LANDSBERG VISITS ESSA FACILITIES

During a tour of ESSA field offices last month, Environmental Data Service (EDS) Acting Director Dr. Helmut E. Landsberg discussed the climatic field program and addressed a group of new meteorologists-in-charge at the Weather Bureau's Central Region headquarters in Kansas City, Mo. He also visited Captain Edward B. Brown, Coast and Geodetic Survey's Mid-Continent Field Director. In Salt Lake City, Utah, he called at the WB Region headquarters and took a side trip to inspect the site of the new climatic reference station soon to be built near Logan. At Boulder, Colo., he conferred with Allan H. Shapely, Martin Nason, and Virginia Lincoln of the Institute for Telecommunication Sciences and Aeronomy (ITSA) to discuss various subcenters for aeronomy and space data of World Data Center A. He also conducted an informal seminar for ITSA staff on problems of climatic fluctuations.

WB's HYDROLOGISTS HOLD CONFERENCE

A conference of the Weather Bureau's Regional Hydrologists and Hydrologists-in-Charge was held in Washington June 20 through 24. Opening remarks were made by Administrator Dr. Robert M. White and Weather Bureau Director Dr. George P. Cressman. Chairman of the joint session was William E. Hiatt, Associate Director, Hydrology. The group also was given tours of the National Environmental Satellite Center and the National Meteorological Center, Suitland, Md.

NESC OFFICIAL SPEAKS TO OTC

John Huson, chief of Advanced Systems at the National Environmental Satellite Center (NESC) spoke to the 21st ESSA officer training class at Coast and Geodetic Survey's Atlantic Marine Center, Norfolk, Va., last week. He discussed NESC programs, emphasizing Advanced Systems Group plans.

TATOOSH MOVES TO QUILLAYUTE

Weather Bureau's Western Region Director, Hazen H. Bedke, announced on July 6 plans to move the WB's observation station from Tatoosh Island, Wash., to Quillayute Airport near Forks, Wash. The move is expected to be completed by Aug. 1. Tatoosh Island is a U.S. Coast Guard-owned facility located off the tip of northwestern Washington. WB personnel have been stationed on the island continuously since 1833 except for four years circa 1900. In recent years it has become increasingly difficult to get volunteers for duty on Tatoosh and the cost for logistics and maintenance of WB facilities on the island has become excessive. The new site at Quillayute will help solve these problems. Quillayute Airport is 32 miles south of Tatoosh and three miles inland from the Pacific Ocean; it was a World War II military installation and is now owned and operated by the State of Washington.

WEATHER PUBLICATIONS IS NEW SECTION

The Publications Distribution Section of the Office of Administration has been transferred to the Distribution Division of C&GS's Office of Aeronautical Charting and Cartography as of July 1. The section is now the Weather Publications Section, routing number C4414, phone Code 14, 6-8181.

SEA-BOTTOM MAPS TO BE MADE

Coast and Geodetic Survey has contracted with the National Survey at Chester, Vermont, to assemble, scribe, and print 15 bathymetric maps covering the Middle Atlantic Continental Shelf. These maps will be the first available graphic representation of the ocean bottom at a suitable scale for use by Government and commercial interests for the economic and scientific development of this important Continental Shelf area. This contract was made under a joint agreement as part of ESSA-ORED Cooperative Project on Economic Development of Continental Shelf Regions through Utilization of Marine Science and Technology.

IES LABORATORY MOVES TO BOULDER

Dr. Leroy Alldredge, Acting Director of the Institute for Earth Sciences (IES), certain IES staff members and units of the Geomagnetic Laboratory are located now at the Boulder, Colo., laboratories. Established in November 1965, IES conducts advanced and applied research in seismology, geomagnetism, and geodesy. Dr. Alldredge's office formerly was located at ESSA headquarters and the Geomagnetic Laboratory, which is especially concerned with the earth's magnetic field, is being transferred from Washington, D.C. IES conducts major programs at two field stations, the Earthquake Mechanisms Laboratory at San Francisco, and the Geodetic Laboratory at Washington, D.C.

KWO RADIO STATION SEMINAR

The Weather Bureau's Eastern Region headquarters held a seminar at the WB's New York City office for proposed KWO radio stations. These stations would broadcast continuous VHF transmission of weather forecasts and warnings with emphasis on marine service. Discussion covered capabilities of equipment, methods of operation, and contents of the broadcasts.

MAN-MADE NOISE MEASURED

A program to increase the effectiveness of radio communications through measurement of man-made noise interference has been initiated by the Electromagnetic Interference Environment section of I.T.S.A.'s Tropospheric Telecommunications Laboratory. Using one of the most modern and complete noise-measuring trailers in the Nation, the Section has assisted the Navy in determining useful receiving sites in Washington, D.C., and is tentatively scheduled to analyze man-made electromagnetic noise in the Boulder-Denver area.

GODSHALL RETURNS TO EDS

Frederick C. Godshall has returned to the Environmental Data Service for assignment with the Meso-Climatology Project of the Laboratory for Environmental Research. He has been serving at the Argonne Laboratories, operated for the Atomic Energy Commission by the University of Chicago, and has been associated with preparation for publication of a 15-year statistical summary of meteorological data.

NEW CHAIRMAN OF ANTENNA GROUP

Dr. Mark T. Ma, consultant to the Ionospheric Telecommunications Laboratory of the Institutes for Environmental Research at Boulder, has been elected chairman of the Denver-Boulder Chapter of the Professional Group on Antennas and Propagation, the Institute of Electrical Engineers. A.C. Stewart and R.G. FitzGerrell, also of the laboratory, have been named vice-chairman and secretary, respectively.

WEATHER SATELLITES SUBJECT OF TALKS

Among ESSAites on the speaking circuit in recent weeks have been J. Gordon Vaeth, Director of System Engineering, National Environmental Satellite Center, before students at Franklin Institute in Philadelphia and Paul Lehr of NESC's Planning and Coordination Group, before students at Virginia Union University. Both spoke on weather satellites.

BRONZE MEDAL AWARDS

Announcement has been made of the awarding of three Bronze Medals to ESSA employees. The medals, highest honor a Commerce bureau can confer upon an employee, were awarded to: John H. Minsch, 28, of Westmoreland, Kansas, a geophysicist; Edwin E. Tilgner, 39, of Evanston, Wyo., an electronic technician; and Brian B. Hill, 43, of Imperial Beach, Calif., a geophysicist, all assigned to the Coast and Geodetic Survey's Albuquerque, N.M., Seismological Center. Minsch and Hill were commended for team accomplishment in the successful installation of a remote seismograph network in the Aleutians under extremely adverse conditions. Tilgner was honored for outstanding diligence and capability in instrument design and adaptability in field operations.

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. Phone (301) 496-8431.

National Oceanic and Atmospheric Administration

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