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Dr. Wilmot N. Hess, Renowned Space Scientist, Appointed To Head ESSA Research Laboratories

Dr. Wilmot N. Hess, Director of Science and Applications at the National Aeronautics and Space Administration's Manned Spacecraft Center in Houston, Tex., has been appointed Director of ESSA's Research Laboratories, Boulder, Colo.

Dr. Robert M. White, ESSA Administrator, said that Dr. Hess brings with him a vast store of knowledge and experience in almost every discipline of the environmental and geophysical sciences. "We are happy to have a man so eminently qualified as a member of the ESSA team to direct and advance the missions and goals of the Research Laboratories," he said.

In his new post with ESSA, Dr. Hess will direct a wide range of fundamental investigations to increase knowledge of the geophysical environment and to develop advanced environmental services.

At NASA's Manned Spacecraft Center, he has been responsible for direction of the Lunar Receiving Laboratory. He has planned and conducted research in earth and lunar sciences, provided environmental data required to support mission and spacecraft design; has conceived, developed and integrated experimental meteorological programs and instrumentation for space; and has provided space environment data and support during manned space flights.

Dr. Hess went to Houston in 1967 from NASA's Goddard Spaceflight Center in Greenbelt, Md., where he had served since 1961. As head of Goddard's theoretical division, he directed research in space science, including particles and fields, aeronomy, ionospheric physics and geodesy. His groups were active in quantum mechanics, studies of atomic collisions, celestial mechanics, the origin and development of the radia-



Dr. Hess

tion belt, theoretical astrophysics, and lunar science.

From 1959 to 1961, he was associated with the Livermore Radiation Laboratory, Livermore, Calif., where he directed nuclear and space physics research.

Dr. Hess was born in Oberlin, Ohio, and was graduated from Clinton, N. Y., High School in 1943. He served in the Navy at Columbia University from 1944 to 1946, and was graduated from Columbia in 1946. He did graduate work at Purdue University and Oberlin College, and received his Master's degree in physics from Oberlin College, and his Ph.D. in physics from the University of California in 1954.

Weather Officials Gird For 1969 Hurricane Season

During the months of June and July, Hurricane Preparedness Meetings have been held along the Atlantic and Gulf of Mexico coastal areas. Weather Bureau headquarters, Eastern and Southern Region headquarters, National Hurricane Center, and local weather office personnel participated at the following locations:

Eastern Region - Suffolk and Nassau County, Long Island, New York; New York City; Charleston, S. C.; Portland, Me.; Norfolk, Va.; Baltimore, Md.; and Wilmington, N. C.

Southern Region - Locations all along the Florida coast; and McCallister, Tex.

A special meeting for Florida news media was held at Miami on Aug. 1, and on Aug. 6, a meeting sponsored by Texas Department of Safety was held at Houston, which included all Northeast Texas Central communities.

ESSA satellites photographed Hurricane ANNA, the first named tropical storm of 1969 in the Atlantic on July 25-29. ANNA reached tropical storm intensity on July 28. Also photographed were Typhoon VIOLA, which caused heavy damage in the Philippines on July 27, and Tropical Storm CLAUDIA in the eastern North Pacific on July 21-24.

Benton, Outgoing ERL Director, Feted at Boulder Reception



Dr. Helmut K. Weickmann (right), Director of ERL's Atmospheric Physics and Chemistry Laboratory, presents satellite photo to Dr. George S. Benton, retiring ESSA Research Laboratories Director, as Mrs. Benton (left) and Mrs. C. Gordon Little look on.

ESSA Anniversary Observances Held Throughout United States

During ESSA's 4th anniversary celebration during July, thousands of persons visited ESSA installations throughout the United States and its possessions to see how earthquakes are recorded and weather forecasts are made. They also toured Coast Survey vessels, geophysical observatories, the world weather center, and other installations of the organization.

Despite a driving rain, an overflow crowd of about 1,000 persons toured the facilities at the Weather Bureau's Boston, Mass., office on July 14. On view were the facilities of the Coast Survey, EDS, various research laboratories and NESL.

The USC&GS Ship WHITING participated in a week-long observance of ESSA's anniversary and the open house aboard ship drew more than 4,000 people.

Visitors to the open house at the Honolulu Weather Bureau Forecast Office on July 13 were shown weather instruments, weather maps and satellite cloud photographs covering the Pacific, radio facsimile, and teletypewriter communications equipment, and computer-prepared forecasts of wind and temperatures.

Station personnel at the Coast Survey's Atlantic Marine Center conducted tours for about 225 persons.

The event received television coverage by two local stations. In addition, various operational equipment and photographs of the ships based at the Center were on display.

Highlights of the ESSA Research Laboratories' celebration on July 14 were an explanation of how ESSA scientists have been supporting the Apollo 11 trip to the moon by forecasting solar flares and an exhibit of children's art.

The USC&GS Ship FAIRWEATHER made port calls at Cordova, Kodiak, and Seward, Alaska, on July 4. Since the city of Seward was bulging with tourists, an impromptu open house was quickly arranged. The Ship's officers set up displays and conducted a three-hour tour for more than 500 persons. Another tour for about 200 persons was held on July 6.

EDS' National Weather Records Center and collocated Seismological Data Center and Geodetic Data Center observed ESSA's anniversary on July 17 with an open house and an hourly showing of a slide story on the facilities.

Dr. Orlin, Capt. Holmes, and Ringenbach Named to C&GS Posts; Jones, WB Technician, Selected "Observer of the Quarter"



Dr. Orlin

Dr. Hyman Orlin has been named Special Assistant to the Director of the Coast Survey for Earth Science Activities. Dr. Orlin, a geodesist, has been associated with the Coast Survey for almost 23 years. As Special Assistant, he will be the principal advisor to the Director in geophysical matters. In addition to program planning budget, research and evaluation of techniques and results, scientific analysis and study, and coordination, the principal geophysical activities with which he will be concerned are gravimetric, geomagnetic, seismic, geodetic, bathymetric and related functions. Dr. Orlin has received degrees from the City College of New York, George Washington University, and Ohio State University, where he was granted a doctorate in geodetic science in 1962. His services with the Coast Survey have included the positions of mathematician, supervisory geodesist, assistant chief of the Gravity and Astronomy Branch, technical assistant, Geodesy Division, and chief of Geodetic Research.

Captain Alfred C. Holmes has been appointed technical assistant to the Associate Director of the Coast Survey's Aeronautical Charting and Cartography Division, and also as chief of the Division's Research Group. Prior to this assignment, Capt. Holmes served as Operations Chief of the Survey's Pacific Marine Center in Seattle, Wash.



Capt. Holmes

Maurice E. Ringenbach has been appointed Director of the Coast Survey's Engineering Development Laboratory. The Laboratory is responsible for the design of equipment systems for use by the Coast Survey in its land and ocean based operations.

Mr. Ringenbach came to the Coast Survey from the Weather Bureau's Equipment Development Laboratory, where he served as its Director. Prior to joining the government, his experience was focused primarily on the design and development of radar and communication equipment for aerospace, ground-based and shipboard systems. While employed at the Westinghouse Aerospace Division, he assisted in the design and development of the rendezvous radar used by NASA for the Gemini docking experiments in space. Mr. Ringenbach received his degree in electrical engineering from the Polytechnic Institute of Brooklyn in 1948. In 1961, he received his Master's degree in engineering administration from George Washington University.



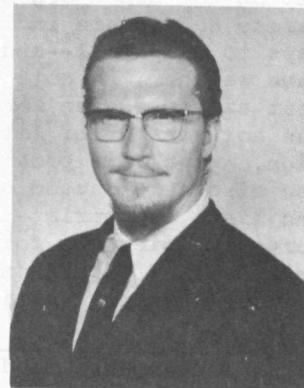
Mr. Ringenbach

Grant P. Jones, Sr., meteorological technician at the ESSA Weather Bureau Office, Johnston Island, has been named the Pacific "Observer of the Quarter" for the first quarter of 1969.

The Pacific Region headquarters established the program three years ago to give recognition to the weather observer with the best observational performance during each three-month period of the year. About 90 Pacific meteorological technicians compete for the award each quarter.

A 1957 graduate of West High, Salt Lake City, Utah, Mr. Jones attended the University of Utah before serving a three-year stint with the U.S. Air Force.

He entered the Weather Bureau in 1966 at the Anchorage Forecast Center and remained in the Alaskan Region until last August when he transferred to the Pacific.



Mr. Jones

Two Weather Offices Forecast for Yacht Race; Marine Weather Exhibit Displayed in Honolulu

The Weather Bureau Forecast Offices at Los Angeles and Honolulu provided weather support for the 25th Transpacific Yacht Race which ended in Honolulu on July 13. Of the 72 racing boats that sailed from San Pedro on July 4, only 64 finally made their way to the Ala Wai Yacht Harbor. In addition to providing a weather watch, the Weather Bureau Pacific Region displayed a marine weather exhibit at the Transpacific headquarters where the boats were berthed. Daily weather maps and weather forecasts transmitted from WBFO Honolulu were made available to the yachtsmen and boating enthusiasts.



Spectators view the marine weather exhibit at the Transpacific Yacht Race headquarters.

"Heat Wave," New ESSA Brochure, Now Available

A new eight-page brochure entitled "Heat Wave" has been published by the ESSA Office of Public Information. The pamphlet describes how heat wave weather gets started over the North American Continent, and how it is linked to large scale weather patterns. The pamphlet also describes through illustrations how the human body controls its internal temperature and the lethal effects of too much heat and humidity on the human organism. "Heat Wave Safety Rules" are included that suggest ways to keep cool--and alive--during heat wave weather. A note to coaches gives heat safety advice for teams training in the hot weather of late summer. In addition, a table is provided that describes the disorders caused by heat and sunburn, and lists appropriate first aid procedures. Copies are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402, at 15 cents a copy.

Items to be considered for ESSA NEWS must be received by Monday for publication the following Friday. Send material to Office of Public Information, ESSA, Room 804, Bldg. 5, Rockville, Md., 20852. Phone (301) 496-8243.

Capt. Jones, ESSA Commissioned Officer, Retires after 28 Years of Federal Service



Capt. Jones

Captain Emerson E. Jones, ESSA commissioned officer, retired on July 31 after 28 years of service. His tours of duty included 15 years aboard nine Coast Survey ships. During the past year, Capt. Jones has been a special assistant for hydrographic systems engineering at Coast Survey headquarters. Although basically a surveyor, Capt. Jones made major contributions in the development and application of electronic systems to hydrographic surveying. He was instrumental in the design and planning of the first fully automated hydrographic survey system on the USC&GS Ship WHITING and the extended development and application of smaller systems for launch surveying. In 1963, he received the Karo Trophy for "outstanding contribution in the engineering and scientific field" awarded by the Society of American Military Engineers. Capt. Jones has served as commanding officer of the USC&GS Ships MARMER and EXPLORER, as chief of geodetic field parties in California and Oregon and in the Pacific, and has carried out other assignments in Seattle, Wash.; San Francisco, Calif.; Charleston, S.C.; Norfolk, Va.; and Washington, D. C.

Deaths

Conrad Martinez, meteorologist at the Weather Bureau Forecast Office, Suitland, Md., died July 30. Mr. Martinez had served with the Weather Bureau for 23 years.

John Etheridge, Coast Survey first assistant engineer assigned to the USC&GS Ships RUDE and HECK, died aboard ship on July 16. Mr. Etheridge served with C&GS for 27 years.



National Oceanic and Atmospheric Administration

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