

ESSA
NEWS

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WEATHER SATELLITES CLICK WORLD OVER

Satellite operations during July included receipt of 11,482 meteorologically useful pictures from ESSA 1 and TIROS IX, and 637 APT from ESSA 2 and Nimbus II. Pictures from ESSA 1, TIROS IX, and Nimbus II were used in the preparation of 965 nephanalysis which were transmitted in pictorial form via facsimile to domestic and overseas users. Two hundred and thirty-two nephanalyses were transmitted in weather-coded form via radio teletypewriter to overseas users not equipped to receive facsimile transmissions. Satellite data were used in support of four special projects, including prelaunch, launch, flight, and recovery support to the Gemini 10 mission. A total of 64 storm bulletins and satellite advisories on tropical storms were sent to United States installations and to five foreign countries. Data from ESSA 1, ESSA 2, TIROS IX, and Nimbus II were made available to the National Meteorological Center for incorporation in their analyses. ESSA satellites during July photographed the following tropical circulations in the Atlantic: an unnamed tropical disturbance that passed over Cuba and eastern Florida on June 29, July 1, and 2; Tropical Storm BECKY on July 4 and 5; Tropical Storm CELIA on July 20 and 21; Hurricane DOROTHY, July 23 through 29; and Tropical Storm ELLA, July 23 through 28. In the Pacific the following were photographed: Typhoon MAMIE, July 14-17; Tropical Storm NINA, July 17 through 20; and Typhoon ORA, July 23 through 25.

On July 20, National Environmental Satellite Center personnel attended a joint ESSA/NASA meeting to discuss space technology projects in process or under study. ESSA representatives presented preliminary requirements for environmental, earth sciences, and oceanographic data needed to meet established ESSA missions. NASA gave briefings on the scientific programs of their Office of Space Science Applications.

NEW WIRE-DRAG SHIP TO BE LAUNCHED

The first of two new wire-drag survey ships, the USC&GSS Rude, will be launched Aug. 17 at Oyster Bay, Long Island, N.Y. Dr. Robert M. White, Administrator, will deliver the principal address at the launching, which will take place at noon at the Jakobson Shipyard. Mrs. James O. Thomas, 4903 Battery Lane, Bethesda, Md., granddaughter of the late Capt. Gilbert T. Rude of Sharps, Va., after whom the vessel is named, will christen the 90-foot, 176-ton vessel with the traditional bottle of champagne. Her matron of honor will be her sister-in-law, Mrs. Gilbert E. Rude of 2603 Ross Road, Chevy Chase, Md. Attending the ceremony will be Rear Admiral James C. Tison Jr., Director of ESSA's Coast and Geodetic Survey, which will operate the vessel and its sister ship, the USC&GSS Heck. The Heck also is under construction at the shipyard. Both are being built for the Survey under the supervision of the Maritime Administration, which designed the vessels.

MARTIN IS NEW DGO CHIEF

The appointment of Ronny A. Martin, 29, of Clarendon, Tex., as chief of the Dallas Geomagnetic Observatory at Richardson, Tex., has been announced by the Coast and Geodetic Survey. The observatory is located on the campus of the Graduate Research Center of the Southwest. The quarter-million dollar facility maintains a continuous recording of the earth's magnetic field. Martin, a geophysicist, was born in Memphis, Tex., and grew up in Clarendon, where he attended high school from 1951 to 1955 and junior college from 1955 to 1957. He received a B.S. degree in geology from Texas Technological College in Lubbock in 1960 and joined the Survey in January 1962. Prior to his present assignment, he served as a staff member of the Fredericksburg Magnetic Observatory at Corbin, Va. Martin succeeds David M. Perkins, who has been named chief of the Survey's Castle Rock Observatory near Palo Alto, Calif.

VOLUNTEER OBSERVERS HONORED

Thirty volunteer weather observers have been selected to receive the 1966 Thomas Jefferson and John Campanius Holm Awards. The Jefferson and Holm Awards were created in 1959 by the Weather Bureau, to honor voluntary observers for outstanding achievement. The Weather Bureau has over 12,000 cooperative observers throughout the United States who make and record daily observations.

Five observers are to receive the 1966 Thomas Jefferson Award for unusual and outstanding accomplishments in the field of meteorological observations: Mrs. Lucy C. Allen, Neuse, N.C.; Lawrence V. Dyer, Oneida County, Wisc.; Edwin L. Paulson, St. Helena, Calif.; Frank O. Refield, Burley, Idaho and William M. Towers III, Rome, Ga. The John Campanius Holm certificate for continued excellence commemorates the first known systematic weather observer in the American colonies. In 1644 and 1645, he made records of the climate without the use of instruments near the present site of Wilmington, Del.

Recipients are: C. W. Aeppler, Oconomowoc, Wisc.; Harry S. Buckner, Stehekin, Wash.; H. H. Crisler Family, Port Gibson, Miss.; Earl H. Dains, Marion, S.D.; William D. Davidson, Columbus, Kan.; O. L. Eliason, Moroni, Utah; E. A. Finkelnburg, Hazelton, Idaho; Lewis J. Gremillion, Simmesport, La.; Mr. & Mrs. Lewis Hauser, Merrill, Iowa; LeRoy Kemp, Squirrel Inn #2, Calif.; Ralph H. Platt, Encampment, Wyo.; William M. Ray, Bridgeville, Del.; Ed Schillinger, Vida, Mont.; Frank T. Street, Henderson, Ky.; Mrs. Foster Stufft, Ellsmere, Neb.; Victor Sturlaugson, Langdon, N.D.; Mrs. Dora S. Tannehill, Urania, La.; Francis Taylor, Redfield, S.D.; B. Van Voorhis, Superior, Ariz.; Jack Weaver, Van Wert, Ohio; Ralph J. Kleger, Clatskanie, Ore.; Judge R. J. Klump, Muleshoe, Tex.; Edwin B. McCormick, Gallipolis 5W, Ohio; Frank B. McCoy Sr., Aiken, S.C.; Louis H. Overturf, Dumont, Iowa, and Ralph H. Platt, Encampment, Wyo.

'MEANING OUT OF APPARENT CONFUSION'

Dr. Harris B. Stewart, Director of the Institute for Oceanography, will address a Geoscience Electronics Chapter, Sept. 8 at 7:30 p.m. in the Gramax Building, Silver Spring, Md. His topic: "U. S. Oceanography Today -- Meaning Out of Apparent Confusion."

ALASKA REPORTS 'QUAKES WEEKLY'

All newspapers report the weather, but "Jessen's Weekly," of Fairbanks, Alaska, also lists on the front page of each issue the number of earthquakes reported in Alaska for the past week by the Coast and Geodetic Survey. A recent issue reported 81 earth tremors.

CCIR DIRECTOR NAMED

Jack W. Herbstreit, Deputy Director of ITSA, has been elected Director of the International Telecommunications Union's International Radio Consultative Committee. The Committee is a permanent organ of the International Telecommunication Union, which has 124 member nations. It studies technical and operating questions relating specifically to radio communications and to issue recommendations on them, study questions directly connected with the establishment and improvement of telecommunications in new and developing countries, and make proposals for the modification of international regulations. The Consultative Committee International Radio (CCIR) Director is elected for a term of six years, and works at Committee headquarters in Geneva. Herbstreit has represented the United States in activities of the International Telecommunication Union since 1947. Most recently, he was chairman of the U. S. Delegation to the 1965 CCIR Study Groups I, II, III, V, VI. In addition, he has been active in the International Scientific Radio Union (URSI) and is Secretary for the international URSI Commission II.

MACCUTCHEON APPOINTED SPECIAL ASSISTANT

Rear Admiral James C. Tison Jr., Director of the Coast and Geodetic Survey, has announced the appointment of Edward N. MacCutcheon of Bethesda, Md., to be his special assistant for systems development and application until such time as an office is established when his position will be Director of that office. MacCutcheon, a veteran of 28 years with the Federal Government, will determine and fulfill the Survey's requirements for new and improved operational systems in such areas as automatic data processing, oceanographic data acquisition, and communications. For the past four years, MacCutcheon has been chief, Office of Research and Development for the U. S. Maritime Administration. During this period he was involved with the operation of the nuclear ship Savannah, the experimental hydrofoil ship Denison, and directed a research and development program to create a merchant marine which would be more competitive in international commerce.

CENTRAL REGION PRESENTS PLAQUES

Regional Director's plaques have been presented to several Central Region stations. The Weather Bureau airport stations at International Falls and Duluth, Minn., were honored for exemplary handling of the March 23-25 blizzard, and Minneapolis and Rochester, Minn., for March 3-5 blizzard. Letters of recognition for outstanding service were presented to Gerald English, Ronald Gerald, John Glime, Charles Gillingham, LaVerl McLaughlin, and Derry Newby at International Falls, Paul Holcomb and James Burud at Duluth, and Kelley Anderson at Rochester.

Plaques for service during the March 22-24 blizzard were presented to the Weather Bureau airport stations at Omaha, Neb., Sioux City, Iowa, and Sioux Falls, S. D. Letters of recognition for outstanding service were presented to Maynard L. Rendrow, Sioux City; and Mrs. Patricia Severn, Warren M. Wisner, Leonard D. Wood, Arlo G. Dunbar, and William R. Hill at Omaha.

Awards were presented to Valentine, Neb., in connection with the March 2-5 blizzard and North Platte, Grand Island, and Norfolk, Neb., for the March 22-24 blizzard. Letters of recognition for outstanding service went to Robert Moreland, Norfolk, Guy Gray, Barbara McKain, Jack Cooley, and Kenneth Glodo at North Platte.

IEEE SPONSORS BOULDER MEETING

Nearly 50 scientists took part in a day-long symposium on electromagnetic theory held July 27, at the Boulder Laboratories of ITSA. Sponsoring the meeting was the Boulder-Denver Chapter of the Group on Antennas and Propagation, the Institute for Electrical and Electronics Engineers (IEEE). Chairman of the local group, Dr. Mark T. Ma of the Boulder-headquartered Institutes for Environmental Research (IER), coordinated the event. Visiting speakers included Dr. V. V. Liepa of the University of Michigan and Dr. E. Bahar of the University of Colorado. An additional 15 papers were presented by ITSA staff members on a wide range of topics in the field of electromagnetic telecommunications.

FREE FOOD AND CLOTHING OFFERED

ESSA meteorologists are critically needed in the Antarctic. In October, after training and orientation, these meteorologists will be flown to comfortable United States Antarctic stations, where they will join other American scientists on the fascinating frontier. Tours of from six to 15 months will bring not only meteorological enrichment but substantial financial gain; these positions pay an extra \$2800, plus free food, quarters, transportation, and polar clothing. Applicants may contact the ESSA personnel division, Building 5-219, Washington Science Center, Rockville, Md. 20852.

SHRIMP BOATS ARE COMING

A new hydrographic survey is being made of a 1200-square-mile area of the lower Florida Keys. The survey is being conducted by the USC&GS ship Hydrographer. The operation will cover the area from Key West to Tortugas Bank and will continue all summer. The ship will be based at Key West during the survey. The 1106-ton, 164-foot vessel is commanded by Commander Harry D. Reed of Waycross, Ga., and carries a complement of nine officers and 51 crew. The project is part of a major program begun 33 years ago to resurvey and rechart all American water in the Gulf of Mexico. A survey of this portion of the Gulf was not considered essential earlier because it is primarily a shoal area generally avoided by large ships. However, up-to-date nautical charts of the area are now required because of the ever-increasing use of the waters by recreational boaters and shrimp fishermen.

NEW CHART COVERS SE ALASKA

The issuance of a new edition of a nautical chart covering part of southeast Alaska has been announced by the Coast and Geodetic Survey. The chart, the first new edition of Chart 8201 in more than three years, covers southeast Alaska from Etolin Island to Midway Islands, including Sumner Strait. It is the 12th edition of the chart, first issued in 1888. Included for the first time is an inset of Duncan Canal in the vicinity of Big Castle Island based on 1965 hydrographic and topographic surveys. The inset is more than 10 times larger in scale than the base chart. A Survey spokesman said the large-scale detail shown by the inset will aid marine interests in transporting barium sulphate (barite rock) from mining locations near Petersburg.

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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