



VOLUME 2

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TOWARD THE 1970'S

A five-part Department of Commerce radio series will soon be broadcast by the Northwestern Reviewing Stand, radio's oldest continuing public affairs program which is aired weekly coast to coast by more than 175 stations. During the week of Nov. 7, Administrator Dr. Robert M. White and Dr. Robert A. Frosch, Assistant Secretary of Navy for Research and Development, will discuss "The Sky Above, The Sea Below." In Washington, D. C., Station WRC will broadcast the program 7:05-7:30 p.m. on Nov. 12. The remaining four DOC programs are: "The Challenge of Prosperity," Secretary John T. Connor and James G. Morton, Special Assistant to the Secretary, week of Oct. 17; "Technology and the Knowledge Explosion," Dr. J. Herbert Hollomon, Assistant Secretary of Commerce for Science and Technology and Dr. Ivan L. Bennett, Jr., Deputy Director, Office of Science and Technology, Executive Office of the President, week of Oct. 24; "The Car, The Road, and Your Life," Alan S. Boyd, Under Secretary for Transportation and Rex M. Whitton, Federal Highway Administrator, week of Oct. 31, and "Is Trade the Route to Prosperity?", Secretary John T. Connor, Lawrence C. McQuade, Assistant to the Secretary and Lawrence A. Fox, Director, Bureau of International Commerce, week of Nov. 14. Consult your local newspaper for exact time and station of the broadcasts in your area.

FOUR FROM IER SPEAK AT GEORGIA TECH

Dr. Eldon E. Ferguson, chief of the Atmospheric Collision Processes group of the Institutes for Environmental Research (IER), and two of his co-workers, reported on their current research at the Gaseous Electronics Conference held Oct. 12-14 at the Georgia Institute of Technology, Atlanta. Dr. Ferguson discussed "Thermal Energy Negative Ion Reaction Mechanisms and Applications." Dr. Arthur L. Schmeltekoph talked about "The Flowing Afterglow Experiment for Thermal Energy Ion-Molecule Reaction Studies." Dr. F. C. Fehsenfeld spoke on "Thermal Energy Negative Ion Reactions." A fourth member of the Aeronomy Laboratory, Dr. Paul Goldan, also attended the conference.

FORMER ESSAite TO EYE SAUCERS

Astrophysicist Dr. Franklin E. Roach, on leave from ESSA's Institute for Telecommunication Sciences and Aeronomy, was named this week as one of the principal investigators of a new unidentified flying object (UFO) research group. The new group comes under the contract between the University of Colorado and the Air Force's Office of Scientific Research and will cover a 15-month study expected to cost some \$300,000. Dr. Edward U. Condon, professor of physics and astrophysics at CU, will direct the project.

TESTS SET FOR SUMMER JOBS

ESSAites with children who want to work for the Federal Government during the summer of 1967 must apply to take a competitive examination, which will be given on three occasions at 1,000 cities in the country. The examination is for office and science assistants grades GS-1 through GS-4 at salaries of \$69 to \$92 a week. Interested persons must apply before Oct. 21, for a competitive exam on Nov. 26, or before Dec. 9, for a test on Jan. 7, 1967, or before Jan. 9 (the last deadline for application) for a test on Feb. 4, 1967. A separate examination will be set up for those who wish to work in the post office department. In order to apply, get a copy of Civil Service Commission announcement No. 401 entitled "Office and Science Assistant Examination for 1967," which contains an application. Or contact the Civil Service Commission, 1900 E Street, N.W., Washington, D. C. 20414, to get an application form 5000-AB. Remember that Jan. 9 is the absolute deadline for application to take the competitive examination. The written exam is about two hours long and covers clerical skills, vocabulary, reading comprehension, abstract reasoning and table and chart interpretation.

INEZ TESTS EMERGENCY PLAN

The Weather Bureau plan to enlist the cooperation of local broadcasters in setting up hurricane emergency pool information centers went into action recently. When Hurricane Inez threatened the south Texas coast, radio and TV stations of the Brownsville area were set up and ready to go in the Brownsville WBAS when MIC Ernest Bice announced the hurricane watch. From this information center, the wire services, newspapers, and broadcasters were provided with a steady flow of the latest news on the approaching storm by Jeff Baker, Weather Bureau public information officer.

WEATHER EYED FOR SST

A conference regarding investigation of the turbulence aspects of the Sierra Mountain wave as related to operational problems of the supersonic transport (SST) was the subject of a meeting this week of ESSA, FAA, and representatives of the Royal Aircraft Establishment of Bedford, England. This is part of a program to investigate a number of atmospheric conditions in various parts of the world that will be important to aircraft operations. United States participants were: Newton A. Lieurance and Arthur C. Peterson, Office of Aviation Affairs; Dr. William V. Wright and Ferguson Hall, Office of Science and Engineering; P. H. Peridier, Office of International Affairs; Robert M. Culnan, IER Liaison Officer; Harry Foltz and R. H. Reece, Weather Analysis and Prediction Division, and J. F. Sowar, Federal Aviation Agency. British participants were: K. J. Turner, British Embassy; Jack Burnham, Royal Aircraft Establishment, and Dr. W. T. Roach, British Meteorological Office.

AFGHAN AIR AUTHORITY VISITS ESSA

Dr. Abdul Khalek, vice president, Afghanistan Air Authority and Director, Afghanistan Meteorological Service, visited ESSA headquarters Oct. 13, and was briefed on ESSA's mission. Dr. Khalek is responsible for policy, planning and execution of Afghan Air Authority functions.

HANOVER MAY HAVE OLDEST WX RECORD

Dr. Murray Mitchell, of the Laboratory for Environmental Data Research, EDS, has met with officials of Dartmouth College in Hanover, N.H., to help plan the future program of climatological observations at the Shattuck Observatory, N.H. Detailed observations have been made at this observatory since 1855 which makes the Hanover record one of the longest records in the United States. An adjustment in the observation program is being planned with ESSA's help, to ensure continuity with earlier records. While in Hanover, Dr. Mitchell also toured the Army's Cold Region Research Laboratory (CRREL), and attended the first eastern United States meeting of the Glaciological Society at the CRREL.

WILD-WOMAN SETS RECORD

As Hurricane Inez moved inland in Mexico on Oct. 10, the New Orleans Weather Bureau Office issued the last advisory on the storm -- Number 65. A total of 153 advisories and bulletins were issued on Inez by San Juan, Puerto Rico, Miami and New Orleans -- a record high. Early detection of the storm by the ESSA 2 satellite and a request from the Mexican Weather Service for more frequent bulletins on the storm's progress were primarily responsible for the large number.

TECHNICIANS HAVE TIME ON THEIR HANDS

Three C&GS geodetic technicians - Sterling A. Frizzell, Frank A. Wright and Sylvester L. Willard have the job of carrying 40-pound crystal clocks to selected pinpoints on the globe. These time-pieces, accurate to within millionths of a second, are used to help measure the size and shape of the earth. Once every six weeks the technicians synchronize the electronically-controlled clocks of 13 satellite triangulation teams who are setting up a worldwide geodetic network.

SERVICE AWARDS

Length-of-service awards in the Weather Bureau's Central Region for October have been made to Ernest B. Williams, Houghton Lake, Mich., 30 years. Robert E. Brown, Sheridan, Wyo.; Robert D. Ross, Fargo, N.D.; Victor E. Stoll, Jr., RAO, Kansas City, Mo.; Joseph C. Ofenloch, RAO, Kansas City, Mo., and John J. Sullivan, WBO, Chicago, 25 years. Harold J. Emery, Columbia, Mo., and Bethel H. Butler, Minneapolis, 20 years. In C&GS headquarters, a 40-year pin was awarded to William Shofnos of the Oceanography Division. Awards in the Weather Bureau's Southern Region are John W. Hayes, WBAS, Fort Myers, Fla., 30 years; Hugh B. Carwile, WBRH, Fort Worth, Texas; Thomas W. Russ, WBAS, Atlanta; Michael S. Scott, WBAS, Dallas, and Young T. Sloan, WBO, New Orleans, 25 years. Wallace W. Reed, WBAS, Albuquerque, N.M., and Jack K. Brown, WBAS, Nashville, Tenn., 20 years, and (through an ESSA News oversight) NESC's Mrs. Mary K. Kettner, 25 years, as of last February.

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National Oceanic and Atmospheric Administration

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