

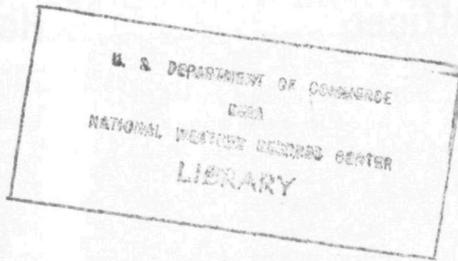
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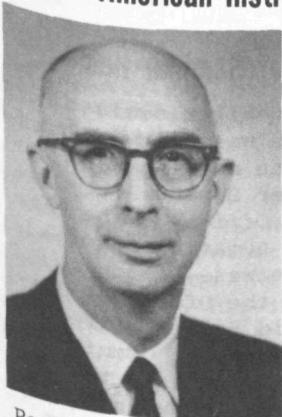
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Pollution May Cause Ice Age, Dr. Barrett Says

Speaking before the International Solar Energy Conference in Melbourne, Australia, Mar. 4, Dr. Earl W. Barrett of ERL said that our total environment is being altered, perhaps disastrously and irreversibly, by human activities. As civilization continues to contaminate the atmosphere, the number of small, dust-like particulate pollutants in the air steadily increases which may ultimately create eternal winter on earth. Dr. Barrett stressed that his calculations begin with measurements of particulate concentrations in the atmosphere. Fifty million tons of dust particles added to the atmosphere and retained there would cause the average surface temperature over the earth to dip from its present 60 degrees Fahrenheit to about 40 degrees Fahrenheit--a temperature at which most forms of plant life could not survive, Dr. Barrett said.

Diercks, C&GS Official, Named To Pan American Institute Post



Frederick O. Diercks, C&GS Associate Director for Aeronautical Charting and Cartography, has been appointed Vice Chairman of the U. S. National Section of the Pan American Institute of Geography and History. The appointment was made by Secretary of State William P.

Rogers, who also named Mr. Diercks the Alternate U.S. Member on the organization's Directing Council.

J. Goldenberg To Head ESSA Budget Division

Jerome A. Goldenberg, former head of the Navy Department's Resources Branch, Special Projects Office, has been appointed the new chief of ESSA's Budget Division. His first experience with the federal government was in 1941 with the Bureau of Internal Revenue. In 1943, he entered the U.S. Army where he served until his discharge in 1945. Mr. Goldenberg has since held other responsible administrative positions with the Department of Commerce and the U.S. Geological Survey.



New Program for Temperature Forecasts Being Implemented

A new program has been designed by the Weather Bureau's Techniques Development Laboratory for automated forecasts of maximum surface temperatures at 131 cities in the conterminous United States for periods from 24 to 60 hours in advance. The forecasts will utilize input from the NMC primitive equation model as well as later surface reports, instead of the barotropic model used previously. In test runs during February, the new system produced forecasts that were about 1 to 3 degrees more accurate than the old system and fully competitive with subjective forecasts. The new forecasts were first transmitted over national teletypewriter, Mar. 18. Transmission over facsimile will begin Apr. 1.

Allbritton Becomes Operations Officer



Lt. Cdr. Richard H. Allbritton will be the new Operations Officer on the USC&GS Ship FAIRWEATHER, effective Apr. 3. Lt. Cdr. Allbritton recently completed graduate study at the Florida State University in Tallahassee. His eight years with the Coast Survey

includes service aboard the USC&GS Ships EXPLORER and SURVEYOR, with a hydrographic field party, and as Chief of the Pacific Tide Party in Honolulu.

Harrison Is EDS Consultant

Henry Harrison, formerly Chief Meteorologist for United Airlines, is serving as a consultant to EDS on the needs of the aviation industry for a clear air turbulence atlas.

ESSA Toastmasters Club Formed



Paul L. Hexter, Chief, Equipment Section of the Weather Bureau's Data Acquisition Division (above), presides over demonstration meeting at the formation of an ESSA Toastmasters Club in Rockville, Md., Mar. 17. Mr. Hexter is currently the President of Monument Toastmasters Club 898 of Silver Spring, Md. About half of Monument's membership is composed of ESSA employees.

National Hurricane Center Honored by Red Cross



The American National Red Cross recently awarded the National Hurricane Center at Miami three plaques "in recognition of the Centennial celebration of Weather Services in the United States, and in particular appreciation of the services rendered by the National Hurricane Center." In making the awards, Red Cross officials lauded the Center for its high quality of cooperation with the Red Cross. The ceremony was attended by members of the press, television, and radio. Dr. Robert H. Simpson, National Hurricane Center Director (right), accepts award on behalf of the Center from Enso Bighinatti, Deputy Director of Disaster Services for the American Red Cross, Washington, D.C.

Maryland Aviation Weather Seminar Held

A day-long aviation weather seminar for 202 Maryland pilots was held in Baltimore, Md., Mar. 15. The meeting was sponsored by the Weather Bureau, the General Aviation District Office of the FAA, and the Maryland State Aviation Commission. Keynote speakers were Newton A. Lieurance, Director of the Office of Aviation Affairs, and David Snyder, Director of the Maryland State Aviation Commission. Weather Bureau representatives at the seminar included: Clarence W. Reynolds and Fred Davis of the Baltimore Weather Bureau; Marvin Hunter and Philbert G. Stewart of the Washington, D.C., WBFC; and Samuel V. Wyatt and Stanley J. Lacy of Weather Bureau headquarters.

Weather Services Centennial Medals Given to Governors



Pictured are some of the Governors who recently received silver medals commemorating the 100th anniversary of the U.S. Weather Services.

(1) Dr. Robert Dale, Professor of Meteorology, Purdue University, and President of the Central Indiana AMS (left), presents medal to Indiana Governor Edgar Whitcomb as Glen V. Sachse, MIC, Indianapolis Weather Bureau, looks on.

(2) Left to right: Arkansas Governor Winthrop Rockefeller; George Hunsacker, FAA; R. O. Reinhold, MIC, WBO, Little Rock, Ark.; Col. Charles Steel, Corps of Engineers; and Col. Thomas F. Connerly, Jr., Air Weather Service.

(3) Left to right, front row: O.D. White, Hydrologist in Charge, WBRFC, Harrisburg, Pa.; Governor of Pennsylvania Raymond P. Shafer; J. R. Clark, MIC, WBO, Harrisburg, Pa. Back row: A. Craft, OIC, WBO, Allentown, Pa.; W. Huston, FAA, Harrisburg, Pa.; J. Quinlan, OIC, WBO, Erie, Pa.; J. Snyder, FAA, Harrisburg, Pa.; J. Murray, OIC, Harrisburg, Pa.; P. Dailey, Jr., Pa. State Climatologist; and J. MacFarlane, Pennsylvania Aeronautics Commission.

(4) Left to right: John E. Penton, Fleet Weather Facility, Quonset Point, R.I.; Lt. Cdr. Arthur M. Nesbit, Executive Officer, Fleet Weather Facility, Quonset Point, R.I.; Mrs. Nesbit; Ralph L. Carlson, MIC, WBO, Providence, R.I.; Governor of Rhode Island Frank Licht; Mrs. Kranz; and Cdr. Arthur G. Kranz, Commanding Officer, Fleet Weather Facility, Quonset Point, R.I.



ESSA Thinks Young on Hawaii Career Day



The annual Career Day program held at the University of Hawaii attracted more than 3,000 students, who explored the job opportunities available in Hawaii and on the mainland. An exhibit displaying ESSA activities, manned by two young Weather Bureau professionals--Sylvia Graff and Bud Dorr--was the most popular with the students, who were interested in the government's role in monitoring air pollution, human ecological aspects of weather, weather office activities, and creative opportunities for youth in government. An item in a Honolulu newspaper read "At least one government organization 'thought young' in deciding who should represent it.... ESSA sent Bud Dorr, a 29-year-old U.S. Weather Bureau climatologist shown in above photo who reported business was brisk at his information table."

Pacific Station Get New Model Radiosondes

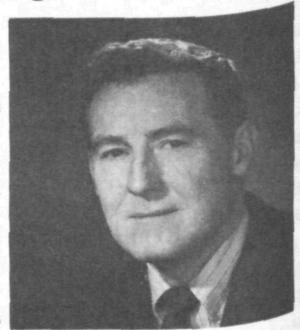
The Weather Bureau Offices at Koror, Pago Pago, Ponape, Truk, and Yap will be the first Weather Bureau upper-air stations to receive the new transistorized radiosondes.

Field Inspections of Atlantic Coast Ports Begin in April

Field inspections will be made of navigational facilities at Atlantic coast ports between Eastport, Me., and Cape Cod, Mass., and between Sandy Hook, N.J., and Cape Henry, Va., beginning about Apr. 1. Lt. (j.g.) Clarence W. Tignor will conduct a six-month inspection of New England starting at Boston, while Marine Information Specialist Jack H. Burch will make a four-month inspection between Sandy Hook and Cape Henry, starting at Norfolk, Va. Both men are Coast Survey employees.

Dr. Campbell Named Visiting Scientist

Dr. Wallace H. Campbell, Director of ERL's Geomagnetism Laboratory, has been chosen to participate in the American Geophysical Union's visiting scientist program for 1970. The program, sponsored by the National Science



Foundation, provides for visits to colleges and universities by scientists active in geophysical research. Dr. Campbell, who has been selected to participate in the program three times previously, will visit Saint John's University, Collegeville, Minn.; University of Minnesota, Minneapolis; South Dakota State University, Madison, S. Dak.; and Wisconsin State University, LaCrosse, Wisc.

Weather Wire Service Users Increase

Latest Communications Division survey shows that the total number of subscribers on the ESSA Weather Wire Service, including Weather Bureau stations, is over 1,700.

Morris, Former WB Meteorologist, Dies

Wesley Morris, former Weather Bureau meteorologist at Sault Ste. Marie, Mich., died Mar. 12.

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) 496-8243.

National Oceanic and Atmospheric Administration

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