

ESSA NEWS

U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

Capt. Tonkel To Command USC&GSS OCEANOGRAPHER



Capt. Miller J. Tonkel, formerly C&GS Associate Director for Hydrography and Oceanography, is now commanding officer of the USC&GS Ship OCEANOGRAPHER. A 26-year career officer in the ESSA Commissioned Corps, Captain Tonkel has served with hydrographic operations in waters off the

North American continent and in the North Pacific, including the systematized oceanographic survey of the north central Pacific and nuclear tests in the Pacific. In addition to service with geodetic field parties in 14 states, he has been district officer at Baltimore; field officer at New York; assistant to the chief, Geodesy, Washington, D. C.; and chief, Continental Shelf Coordinating Group at Coast Survey headquarters. Captain Tonkel, a native of Fort Wayne, Ind., received his civil engineering degree from Purdue University in 1942.

Coast Survey Publishes World Seismicity Map

"World Seismicity, 1961-1969" is the title of a new multicolor map published by the Coast Survey. Scientists fed about 42,000 earthquake epicenters and more than 100,000 latitude-longitude coordinates into the weather-forecasting computers at NMC to prepare the maps.

Epicenter data cover all earthquakes recorded around the world from January 1, 1961 through September 30, 1969. The seismicity map is being published in five colors and will be available for sale at 75 cents per copy from the C&GS Distribution Division (AD-143), Rockville, Md., by the end of June.

Awards Dinner Dance Set

Tickets are available now for the ESSA Awards Night Dinner Dance, to be held Friday night, July 10, at the Indian Spring Country Club in Silver Spring, Maryland. In addition to four \$1000 awards for special achievement, several Bronze Medals and unit citations will be presented at this event. Included in the ticket price of \$11.50 per person are cocktails at 7 p.m., a full-course dinner beginning at 8 p.m., and dancing from 10 p.m. to 1 a.m. A strolling trio will play during the cocktail hour, and two orchestras will provide continuous music for the dance later in the evening. Tickets may be purchased from the sales representatives named on the dinner dance posters. Table reservations may be made through the ticket sales representative or by calling Mary Gearhart at 496-8134 (IDS Code 14-68134).

C&GS Deputy Director Sworn In



Dr. Gordon G. Lill, newly appointed C&GS Deputy Director (left), is welcomed aboard by Rear Adm. Don A. Jones, C&GS Director (right), and Dr. Robert M. White, ESSA Administrator (center), at swearing in ceremony, May 19.

Richardson Invents Balloon Inflation Safety Valve

A combination metering and safety valve for filling radiosonde balloons with hydrogen, invented by William M. Richardson of the Weather Bureau's Equipment Development Laboratory, has been distributed to selected field upper-air stations for installation.

The explosion-proof, pipe-shaped valve is activated by magnetically operated reed switches positioned within a center post. The valve automatically cuts off the flow of hydrogen into the balloon when a predetermined lift with the balloon is achieved. The switch also cuts off the gas in case the balloon accidentally bursts during inflation. In addition to reducing hazards in filling balloons, the valve permits some manpower savings, since the operator's attention is not required during most of the inflation process. The device was primarily developed to increase the safety in handling hydrogen, but can also be used with helium. Joseph Szokolszky, of the Weather Bureau's Engineering Division, prepared the instruction manual for using the device.



Left to right: W. M. Richardson and J. Szokolszky

Indianapolis Weather Office Will Issue State, Zone Forecasts

A new Weather Bureau Forecast Office for Indiana will be established at Indianapolis, June 19. This new facility will provide state forecasts for Indiana and more detailed zone forecasts for all parts of the state. Weather summaries will be prepared regularly, and news releases of particularly interesting weather developments will be made on an unscheduled basis. Special forecasts and weather summaries will continue to be made for the use of agriculture, as well as weather and river services to residents of Indianapolis and its surrounding area. These services include local reporting and forecasting of weather, as well as local climatological service. Glen Sachse will remain as meteorologist in charge of the Indianapolis office.

Additional Texas Charts Published

The Coast Survey has published three new small craft nautical charts for a 70-mile stretch covering the Laguna Madre section of the Texas Intracoastal Waterway from Middle Ground to Stover Point, near the Rio Grande. One chart provides, for the first time, Coast Survey coverage of the 25-mile channel through Arroyo Colorado from Laguna Madre to Port Harlingen. The charts are updated versions of existing conventional charts 895 through 897. Aerial photos of the area taken by C&GS planes were used to prepare the charts to update topography. The charts are available from the C&GS Distribution Division (C44), Washington, D. C. 20852, for \$1.50 each.

AMS Symposium To Meet in Honolulu

The American Meteorological Society's Symposium on Tropical Meteorology, co-sponsored by the World Meteorological Organization, will be held at the University of Hawaii, Honolulu, June 2-11. ESSA scientists chairing sessions or presenting papers will be: L. F. Hubert, L. F. Whitney, Howard A. Friedman, James D. McFadden, Charles W. Travis, Raymond E. McGavin, S. Jack Lubin, Billy M. Lewis, Peter Kuhn, R. C. Elvander, M. A. Alaka, Vincent J. Oliver, Joachim P. Kuettner, Joseph H. Golden, Joanne Simpson, Ronald L. Holle, Victor Wiggert, William L. Woodley, Neil Frank, H. A. Bedient, Joseph R. Irwin, Robert H. Simpson, Roger A. Davis, and Arthur F. Krueger.

Miami Events Mark Centennial, Beginning of Hurricane Season

Dr. John W. Townsend, Jr., ESSA Deputy Administrator, will be the guest speaker at a banquet, cosponsored by the Research Flight Facility and the American Meteorological Society, in Miami, June 5. The banquet is being held in conjunction with a two-day open house planned for June 5 and 6 as a kick-off for the 1970 hurricane season, and to commemorate the 100th anniversary of the National Weather Service. Open house will be held at the Research Flight Facility with participation by the National Hurricane Center and the National Hurricane Research Laboratory. On Saturday, June 6, hurricane reconnaissance aircraft from the RFF, Navy, and Air Force will be on public display at the Miami International Airport.

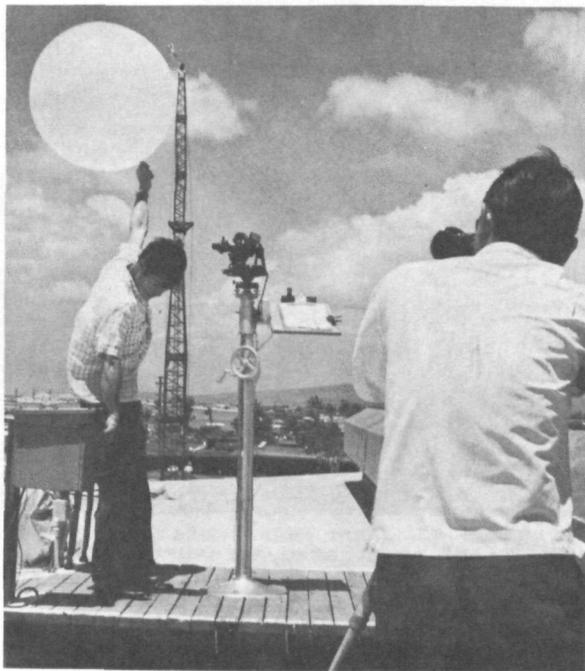
Arthur Hosick To Head Boise Weather Office



Arthur H. Hosick, the Weather Bureau's Central Region User Services Representative (REGUS REP) since 1964, has been named meteorologist in charge of the Weather Bureau Forecast Office in Boise, Idaho. He will assume his new post in early June. Mr. Hosick first joined the Bureau in the

early forties, and served at Omaha and Washington, D. C., before entering the Army Air Corps in 1942. He returned to the Bureau in 1946 and served at Seattle until his recall to the Air Force in 1951. In 1952, Mr. Hosick again joined the Bureau as principal assistant at Cheyenne, Wyo., becoming head of the station in 1961. During his stay as REGUS REP in Kansas City, he earned a master's degree in public administration from the University of Missouri. Kenneth Rice, whom Mr. Hosick replaces, will become the ESSA State Climatologist for Idaho.

Honolulu Weather Bureau Featured on Educational TV



ETV cameraman focuses on George Higa, Pacific Region Met Tech, as he prepares to release a balloon.

Pacific weather personnel at WBFO Honolulu and Fleet Weather Central, Pearl Harbor, were featured on a half-hour weather program televised on Hawaii's educational station KHET, May 2. Hosted by Roy Matsuda, WBFO Honolulu meteorologist, the program highlighted the aviation and public service programs, ESSA Radio Weather, communications, observations, and the computer activities at Fleet Weather Central. Mr. Matsuda started the monthly weather series five months ago to acquaint the public with significant monthly weather patterns for local and mainland areas as well as climatological data. Topics discussed on previous programs included weather satellites, precipitation, pressure and frontal systems, and air pollution.

Miller Will Direct World Data Center A

The appointment of Dr. Gaylord Miller as Director of World Data Center A for Tsunamis has been announced. Dr. Miller is now Director of the Joint Tsunami Research Effort, ESSA Research Laboratories.

Finance Division/AFGE Local Sign Agreement



The first negotiated agreement covering a bargaining unit in ESSA headquarters under Executive Order 11491 was signed, May 13. The agreement was between Local 2703, American Federation of Government Employees, AFL-CIO, and the ESSA Finance Division. Signers of the agreement are, seated left to right: Horace Hardaway, Chief, Finance Division;

Al Cohen, President AFGE Local 2703; Theodore P. Gleiter, Assistant Administrator for Administration and Technical Services; and Ralph Biser, National Vice-President AFGE 14th District. Standing, left to right: William Mudgett, National Representative AFGE 14th District; and Guy H. Dorsey, Chief, Personnel Division, ESSA.

OCEANOGRAPHER Concludes Four-Month Cruise

The USC&GS Ship OCEANOGRAPHER has returned to her Seattle base after recently completing a four-month cruise to the South Pacific and the South American coasts. The cruise included an investigation of the East Pacific Rise--a 3,000-foot underwater mountain range; the Chile Trench-- a deep seabed chasm off the South American coast; and the Panama Basin--a 600-by-600 mile underwater plain off Ecuador.

Four Ecuadorean scientists and a member of the Columbian Oceanographic Commission participated in part of the cruise. The Consul General and Vice Consul of Ecuador, the Assistant Director of the Ecuadorean Fisheries Commission, and two Ecuadorean naval officers were guests of the ship's commanding officer. The ship also made a color movie during the cruise with U.S.-Ecuadorean cooperation as its central theme.

Deaths

Gilbert F. Grafton, forecaster at the Weather Bureau Forecast Office, Los Angeles, died May 18.

Rear Adm. Joseph P. Lushene, who retired from the Coast Survey in 1959, died May 22. Rear Adm. Lushene served aboard seven of the Coast Survey's vessels in the Atlantic, Pacific, and Caribbean and on numerous field parties in the United States, West Indies, Central America, and South America during his 30 years' service.

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.

National Oceanic and Atmospheric Administration

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July 23, 2010