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## Secretary Stans Announces Hurricane Reconnaissance Plans

Secretary of Commerce Maurice H. Stans released a report on Oct. 27 describing plans to improve the Nation's aerial hurricane reconnaissance system.

The report from Dr. Robert M. White, ESSA Administrator and Federal Coordinator for Meteorological Services and Supporting Research, resulted from a study conducted at the direction of President Nixon after Hurricane Camille.

Reports from Navy and Air Force aircraft supplement weather information used by hurricane forecasters. The aircraft report storm locations, barometric pressures in the center of the eye, and maximum winds accompanying the storm, until it comes under observance by land stations.

In Hurricane Camille, according to the report, forecasts were excellent and are conservatively estimated to have saved many thousands of lives. Aerial penetration, however, was not always possible as the storm moved through the Gulf of Mexico.

Future plans are that Navy aircraft, which normally do not penetrate storms at 1500 feet under conditions of 120-knot winds and eye diameters of 15 miles or less, now will penetrate and transit such storms at 9,000 feet.

Air Force WC-130 planes will be equipped with modernized weather detection radars as soon as it becomes technically feasible.

Funds for replacement of Navy C-121 aircraft by newer planes with modernized instrumentation will be sought in Fiscal Year 1972. Similar modifications will be sought for Air Force planes.

Instrumentation on ESSA's Research Flight Facility planes will be modernized and the planes, normally used only for research, will provide operational

support to military aircraft in severe storms.

Secretary Stans said the projected improvements represent a speedup of plans to become effective over the next several years. Needs for new data requirements will be reviewed and incorporated into the next National Hurricane Operational Plan at a National Hurricane Conference next February.

Participating in the study were representatives of the Department of Commerce and Defense Department.

## ESSA Exhibit Installed In Commerce Lobby



A new exhibit featuring the programs and plans of the Weather Bureau, designed by the Visual Services Branch, was officially dedicated by Dr. Robert M. White, ESSA Administrator (right), and Dr. Myron Tribus, Assistant Secretary of Commerce for Science and Technology (left), Oct. 20. Earphones permit the public to listen to the VHF-FM recorded weather forecasts. The exhibit will be on permanent display in the Department of Commerce lobby.

## SIRS Data Used To Prepare Weather Maps

The Weather Bureau's National Meteorological Center is preparing basic maps of Northern Hemisphere weather from temperature measurements obtained from experimental satellite soundings made by the Satellite Infrared Spectrometer--one of the instruments aboard NASA's Nimbus III.

About six weeks after the Nimbus III launch, the Weather Bureau began using some of the SIRS data in preparing one daily hemispheric weather analysis. The results were successful and a special computer-to-computer link has been installed between NASA's Goddard Space Flight Center in Greenbelt, Md., and the NMC to permit regular use of the data in analyses of weather conditions over the eastern Atlantic and most of the Pacific Ocean, from the surface to an altitude of 53,000 feet.

By providing unprecedented coverage of existing conditions over oceans and other areas where few upper-air measurements are made, the SIRS soundings can contribute to better weather forecasts.

## ERL Tops United Way Goal

The ESSA Research Laboratories has exceeded its goal in the Combined Federal Campaign with Boulder employees having already contributed 102 percent of their "fair share." The ESSA Research Laboratories' total goal was \$15,480. Contributions to date are \$15,836. The campaign includes the local United Way, National Health Agencies, and the International Service Agencies. Jack A. Kemper, director of the Laboratories' Research Support Services, was agency chairman.

## Meteorology Rocket Network Meet in Argentina

The Experimental Inter-American Meteorological Rocket Network held its fifth annual meeting at Mar del Plata, Argentina, during October. ESSA participants included: Dr. Sidney Teweles, chief of the Weather Bureau's Data Acquisition Division; Frederick G. Finger, chief of NMC's Upper Air Branch; and John Costello, Wallops Station, Va.

## Lieurance To Receive Robert M. Losey Award



Newton A. Lieurance, ESSA Director of Aviation Affairs, has won the American Institute of Aeronautics and Astronautics' 1970 Robert M. Losey Award for "distinguished leadership in the formulation and execution of improved meteorological services for aviation over the past twenty

years." The award is given annually in recognition of outstanding contributions to the science of meteorology. Mr. Lieurance will be presented the award at the Honors Banquet, Jan. 20, 1970, during the AIAA 8th Aerospace Sciences Meeting in New York.

## Los Angeles Weather Office in New Quarters



The Los Angeles Weather Bureau Forecast Office moved to new quarters in the West Los Angeles Federal Building (adjacent to the University of California campus) on Oct. 7. Attending the dedication ceremony were: Secretary of Commerce Maurice H. Stans; P. Muntz, Area Representative, Maritime Administration; G. W. Kalstrom, meteorologist in charge, WBFO, Los Angeles; Hazen H. Bedke, Director, WB Western Region; Thomas H. Lamoureux, Deputy Program Manager, Economic Development Administration; and Leonard E. Isley, Regional Director, Bureau of the Census.

## C&GS Men Check Mojave Desert for Vibrations

Wendell Mickey, James Devine and Alfred V. C. Meyer, C&GS geophysicists and experts on earth-transmitted vibrations, are searching for a quiet place in the Mojave desert as a site for a laser communications space facility. The facility, scheduled for construction next year, would be used for experiments in visual space communications with satellites, similar to the visual contacts made with a reflector on the moon. According to Mr. Mickey, the laser for visual space communications must be more stable and less affected by natural and man-made vibrations than the space antennas maintained at Goldstone, Calif., for radio communications, including the 200-foot dish that helped communicate with the astronauts on the moon and received the television pictures of Mars from Mariners 6 and 7.

## New Jersey Observer Receives John Campanius Holm Award



Left to right: Henry Rockwood, who represented the WB Eastern Region; Mr. DeVecchio; and Donald V. Dunlap, ESSA State Climatologist for New Jersey.

Philip DeVecchio, cooperative weather observer and Director of the Paterson, N. J. Museum, recently became the first recipient within the State to receive the Weather Bureau's John Campanius Holm Award. Mr. DeVecchio has maintained a climatological station at his residence, and hopes that an expanding program at the museum will provide for equipment with facilities for demonstrations and lectures for the many students visiting the museum annually.

## Cdr. Taggart Appointed To C&GS Planning Post



Cdr. Kelly E. Taggart is the new Program Planning and Coordination Officer for the Coast Survey's Office of Hydrography and Oceanography located at Rockville, Md. Cdr. Taggart, who has more than 14 years of service, succeeds Captain Arthur J. Benton, Jr.

## Western Region Begins Slash Burning Forecasts



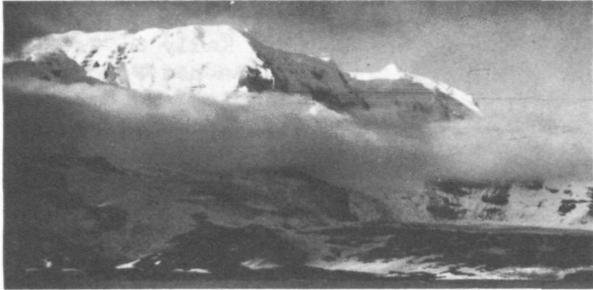
Slash burning operations in Willamette Valley, Oreg.

The Weather Bureau Western Region, in cooperation with state and Federal forestry officials, has inaugurated a forecasting service in support of slash burning operations in Washington and Oregon.

Foresters are required to burn slash or residue from lumbering operations as a safety factor to guard against uncontrolled forest fires. The function of the new service is to provide forecasts of wind, atmospheric stability, and temperature inversion height in the mountainous areas where slash burning takes place. The major emphasis is to keep slash fire smoke from drifting into populated areas.

The forecasts are prepared daily by the fire weather meteorologists at Portland, Salem and Medford, Oregon, and Olympia, Washington, under the direction of Wilbert R. Krumm, Western Region Fire Weather Coordinator.

## Satellite Triangulation Party Heads for Heard Island



Heard Island

C&GS Satellite Triangulation Party G-5 is scheduled to leave Capetown, South Africa, on Nov. 1 to occupy Heard Island in the South Indian Ocean. The party, directed by Lt.(j.g.) H. B. Milburn, will be making satellite triangulation observations for about four months, and will be the only inhabitants on the isolated island.

## Airport Surveys Underway

C&GS field parties are conducting airport surveys at Roanoke (Va.) Municipal Airport; Boeing Field International Airport, Seattle, Wash.; Barkley Field, Paducah, Ky; Akron-Canton (Ohio) Airport; Danville (Va.) Municipal Airport; Austin-Straubel Airport, Green Bay, Wisc.; James M. Cox-Dayton (Ohio) Municipal Airport; Joplin (Mo.) Municipal Airport; and Smith Reynolds Airport, Winston-Salem, N.C.

## State Tax Deductions Begin In Maine and Illinois

Effective Oct. 5, 1969, state tax withholding began for employees paid bi-weekly who are employed in the State of Illinois and Maine, whether or not they reside in the State, with pay period number 22. The deductions are indicated in the salary checks dated Oct. 30.

Withholding will begin for employees paid semimonthly, working in either of the two States, with pay period number 21, Oct. 16-31, and will be reflected in the Nov. 12 checks.

## Western Region Met Tech Council Meets



Members of the Weather Bureau Western Region's Meteorological Technician Council are shown with H. H. Bedke, Western Region Director, at a meeting held in Salt Lake City. Seated (left to right): B. A. Young, Chairman; Mr. Bedke. Back row (left to right): H. Eitel, M. Kuykendall, J. Armstrong, J. Mazur, M. Walters, D. Lamb, K. Glodo, L. Billones; Front row (left to right): A. Shoemake, W. Herrick, G. Twitchell, A. Lentini.

## Dr. Orlin To Chair Geodesy Symposium

Dr. Hyman Orlin, C&GS Special Assistant to the Director for Earth Science Activities, will serve as general chairman of the Second Marine Geodesy Symposium in New Orleans, Nov. 3-5. The subject of the scientific symposium will be "Marine Geodesy--A Practical View."

## Rhode Island Geodetic Survey Completed

A quarter-million dollar Federal geodetic survey of Rhode Island, conducted by Coast Survey field parties in cooperation with the Rhode Island Department of Public Works, has been completed. The work, carried out over a period of three years, involved determining the elevation and geographic positions of hundreds of sites along 450 miles of Federal, state and county highways. The survey included the cities of Westerly, Newport, Portsmouth, Bristol, Warwick, Cranston, Providence, Woonsocket and Greenwich.

# **National Oceanic and Atmospheric Administration**

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