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# ESSA NEWS

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## Drs. Holland and Glaser Head BOMEX Analysis Project; Early Results from BOMEX Symposium Held in Seattle

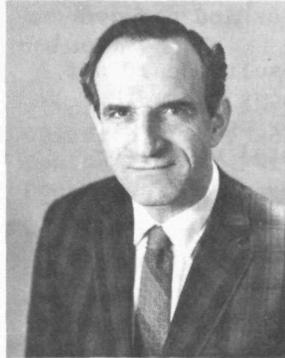
BOMAP--the Barbados Oceanographic and Meteorological Analysis Project-- is in high gear evaluating the scientific data accumulated during BOMEX (the Barbados Oceanographic and Meteorological Experiment) carried out from May 1 through July 28 in the Caribbean east of Barbados.

BOMAP, the analysis phase of the BOMEX experiments, is aimed at learning more about the atmosphere and oceans. It is designed to carry out ESSA's responsibility as lead agency in BOMEX, by starting with the data collected in the field, reducing it to interpretable forms, determining what it means, and making it available to other BOMEX participants and to the scientific community.

Housed on the 8th floor of Building 5 at ESSA headquarters in Rockville, Md., the project is organizationally constituted as an ERL research project divided into three main task areas: the BOMEX Data System; the Core Experiment; and the BOMEX Investigators Information Exchange.

Dr. Joshua Holland, who served as Chief Scientist for BOMEX's Sea-Air Interaction Program, is BOMAP Director; Dr. Arnold Glaser, a Consultant for coordination of individual experiments, is BOMAP Deputy Director.

The first formal presentation of scientific results of the BOMEX project was held at the Pacific Science Center, Seattle, Wash., Nov. 20-21. The symposium, sponsored by the American Meteorological Society and the University of Washington, in cooperation with the



Dr. Holland



Dr. Glaser

National Academy of Sciences' Committee for the Global Atmospheric Research Project, was held in conjunction with dedication ceremonies for the new Atmospheric Sciences Geophysics Building at the University of Washington.

Dr. George S. Benton, AMS President, and Prof. Robert G. Fleagle, Chairman of the University of Washington's Department of Atmospheric Sciences, gave the welcoming remarks.

Dr. Joachim P. Kuettner, BOMEX Director, opened the scientific sessions with a broad summary of the experiment, followed by Dr. Jule Charney of the Massachusetts Institute of Technology, who was Chief Scientist for the tropical exploration phase of BOMEX, and Dr. Joshua Holland, BOMAP Director.

Individual sessions covered satellite and aircraft observations, tropical convection, sea-air flux measurements, turbulence statistics, ocean measurements, and radiation.

## President Nixon Applauds U.S. Employees for Economy Moves

In a memorandum to Federal agencies, President Nixon expresses his appreciation to Federal employees for their superior work performance and constructive ideas for economy during fiscal year 1969. The memorandum stated, in part:

"In the last fiscal year more employees than ever before received awards for their superior work and for their constructive suggestions to improve Government operations. A new record was set by the \$195 million in benefits from employee ideas that saved man-hours, conserved supplies and reduced costs.

"These outstanding results could not have been achieved without teamwork and extra effort by many people at many levels of our Federal organizations....

"I deeply appreciate your help in this effort. I am confident that we will continue to improve this record of achievement."

## Geodetic Marker Placed In Empire State Building

A geodetic marker pinpointing the precise geographical position of the Empire State Building has been embedded in the floor of the Observation Deck by a Coast Survey field party. The small bronze disc, one of some 120,000 similar markers in the United States which denote the latitude and longitude of key points in the national horizontal network, resulted from a request to determine the geographical position of a site at the Brooklyn Navy Yard. To accomplish this, measurements had to be made from a three-point triangulation net in the area. Sites selected were the 80th floor of the Empire State Building, the roof of the new 46-story Federal Office Building at 26-Federal Plaza, and the site within the Navy Yard (Pier J).

## Kansas City Airport Surveyed

A survey of Fairfax Municipal Airport, Kansas City, Kans., is being conducted by a Coast Survey field party, headed by Darrell L. Wright.

## Deadlines Set for University Assignment Applications

Applications are being accepted for full-time university assignments, beginning in the fall of 1970, at both the graduate and undergraduate level. Applications must be made on ESSA Form 53-1 "Request for Training" and submitted through appropriate channels according to the following schedule:

### Weather Bureau

Weather Bureau field personnel must submit requests to the servicing personnel offices before Dec. 12, 1969. Regional offices must forward their approved requests to WB headquarters (W5) by Dec. 31, 1969. WB headquarters personnel must submit requests, through channels, to W5 before Dec. 12, 1969.

### Coast and Geodetic Survey

C&GS field personnel must submit requests to the servicing personnel office before Dec. 12, 1969. Marine Centers and the Kansas City Field Office must forward the approved requests to Coast Survey headquarters (C5) by Dec. 31, 1969. C&GS headquarters personnel must submit requests, through channels, to (C5) before Dec. 12, 1969.

### Associate Administrator, Assistant Administrators, Special Staff Offices, and other Major Line Components

Personnel in the offices referred to above must observe the Dec. 12, 1969 deadline.

Selections should reach the Chief, Career Development (AD44) by Jan. 16, 1970.

Those selected will receive travel and per diem allowances in addition to salary, tuition, books, and related fees. Upon final approval by the Chairman, ESSA Education and Training Committee, each successful candidate will be required to complete Form CD-67, Continued Service Agreement. Details concerning this form can be obtained from the employee's servicing personnel office.

## Weather Bureau Gets into the Act

The Weather Bureau staff at Stockton, Calif., has been commended by the Metro Goldwyn Mayer Studios' Location Manager for weather services provided during the recent filming of a new movie "The Moonshine War."

### C&GS Cosponsors Field Survey Symposium

The Coast and Geodetic Survey and the American Congress on Surveying and Mapping are jointly sponsoring a symposium on "Automation of Field Survey Instrumentation and Data Acquisition," Dec. 8-10 in Rockville, Md. Subjects for discussion will include problems of the private surveyor and of metropolitan, state, and Federal surveyors. Captain Leonard S. Baker, Chief, Geodesy Division, and Joseph F. Dracup, Chief, Adjustment Section, are in charge of arrangements.

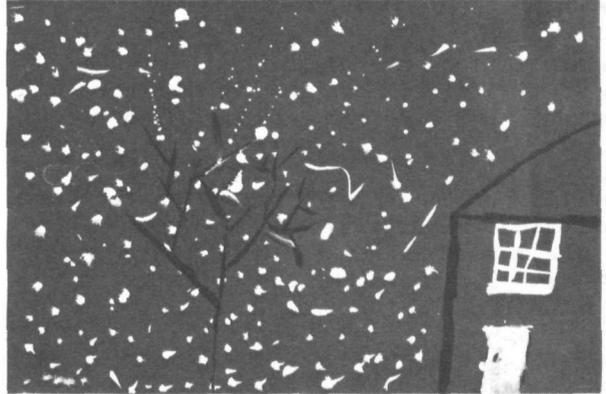
### EDS Furnishes Wind and Ice Data to Construction Firm

EDS has provided wind and ice design data to a commercial firm constructing a radio communication system along the Alaska oil pipeline. The pipeline crosses the State from the Arctic slopes to the sea, from Barrow to Anchorage.

### Study of Washington Inland Waters Planned

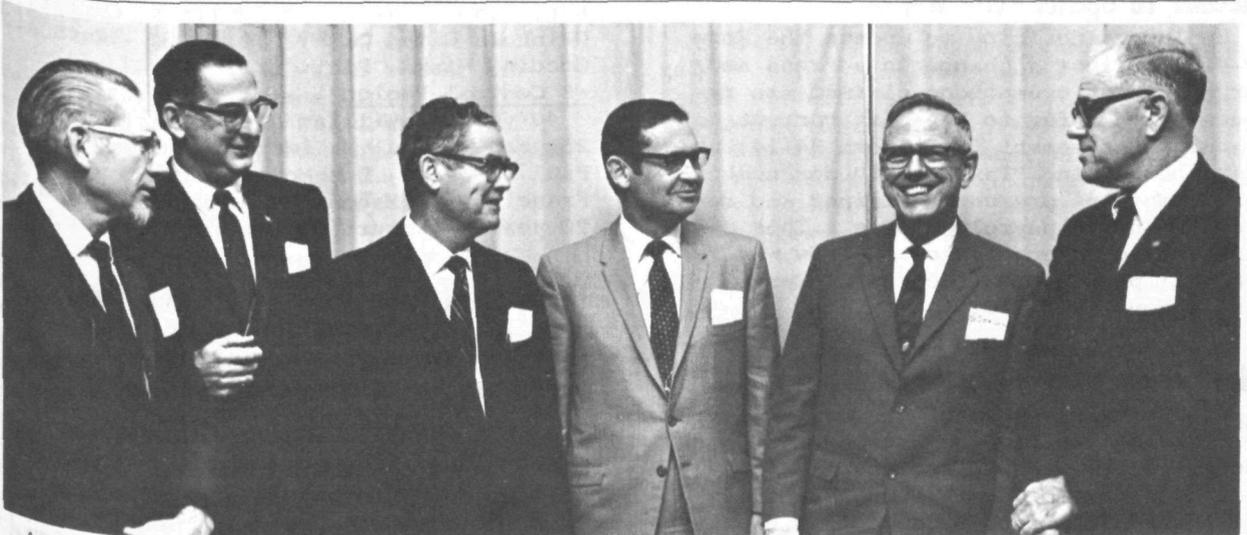
The University of Washington's Department of Oceanography is planning a detailed study in the inland waters of western Washington. The Weather Bureau Forecast Office at Seattle will cooperate with the University by supplying observations on wind speed and direction.

### "The Environment As I See It" Slated for Commerce Showing



"One day it was snowing by a house and by a tree too. Everybody said might as well go back to bed, and so they did." Nancy Lance, third grade

More than 70 works of art painted by children of the Boulder Valley Schools, Boulder, Colo., will be exhibited in the Department of Commerce lobby in Washington, D.C., from Nov. 21 to Dec. 1. Titled "The Environment As I See It," the subjects range from the earth's core to outer space. One child viewed the environment of a dog quite literally as a fringed rug. Others chose to make social comment in their drawings by depicting man's influence on his environment.



A conference on "Outlook--Agricultural and Forest Meteorology," was held Nov. 5-6 at the Beltsville Agricultural Research Center, Beltsville, Md. Left to right: Wayne Palmer, EDS Agricultural Climatology Service Office; Dr. Arnaud Loustalot, USDA Cooperative State Research Service; Dr. Paul Miller, USDA Agricultural Research Service; Dr. Gerald Barger, EDS Agricultural Climatology Service Office; Dr. D. H. K. Lee, HEW National Institute for Environmental Health Sciences; and Dr. Terrell Noffsinger, WB Weather Analysis and Prediction Division. Dr. Miller and Dr. Lee were featured speakers; Mr. Palmer, Dr. Loustalot, Dr. Barger, and Dr. Noffsinger are members of the USDA/ESSA Weather Committee.

## **C&GS Hydrographic Survey of Connecticut River Completed**

A seven-man Coast Survey field party has completed a hydrographic survey of a 45-mile stretch of the Connecticut River. The five-month survey, the first in 70 years, was conducted to gather the latest navigational information for a new edition of the three nautical charts covering the river.

The major hazards found by the hydrographers included three previously unreported rocks awash around Brockway Island; submerged rocks at Calves Island Bar; four submerged rocks east of Calves Island Bar Channel; a sunken wooden barge off the east side of Calves Island; and a submerged pinnacle rock outside Haddam Island Bar Channel.

## **Environmental Instruction Pondered for N.C. Schools**

James N. Hosey, meteorologist at the Weather Bureau Forecast Office, Raleigh, N.C., has been appointed a member of the N.C. State Task Force undertaking a study to determine the feasibility of introducing curriculum instruction in the environment and natural resources into the public schools.

## **"Tax Exempt" Information Needed To Update Form W-4**

Employees desiring to update the Form W-4 to reflect a change in address and/or number of exemptions claimed are requested to refer to the last current earnings statement (ESSA Form 34-14) under the heading "Tax Exempt" for number of exemptions presently claimed and recorded in the payroll office. This figure should be entered on the new W-4 for payroll purposes. (See "ESSA NEWS" dated Nov. 14, 1969.)

## **NESC Group Briefs German Weather Official**

Dr. Herbert Regula of the German Weather Service visited the National Environmental Satellite Center recently for briefings on the duties and activities of the Applications Group and to discuss the uses of satellite data for meteorological purposes. Dr. Regula plans to establish a similar group for the German Weather Service.

## **Sudjono Completes EDS Training**

Jon Sudjono, World Meteorological Organization Fellow from Indonesia, completed his training assignment at EDS' National Weather Records Center, Nov. 7. He will return to Indonesia following a six-week training session with Donald Dunlap, ESSA State Climatologist for New Jersey, and visits to EDS, the Office of Hydrology, and the National Meteorological Center.

## **Correction**

The item titled "NMC Division Reorganized," that appeared in the Oct. 10, 1969 issue of "ESSA NEWS" was in error. The Analysis and Forecast Division now comprises six branches, rather than five. The Charting Branch, headed by William M. Metivier, Jr., Branch Chief, and Joseph L. Mullaney, Assistant Chief, was omitted from the item.

## **October Length-of-Service Awards**

### WB Southern Region

40 years - Ottis C. Bobbitt, San Angelo, Tex. 30 years - Floy M. Bonham, Fort Worth, Tex., and Elden V. Jetton, El Paso, Tex. 25 years - Quimby M. Middleton, Jackson, Miss.; William Stosser, Miami, Fla.; and Gerald J. Carter, Oklahoma City, Okla. 20 years - Ruth A. Goodin, Miami, Fla.

### WB Central Region

40 years - William J. Ziegler, CRH. 25 years - Paul H. Swope, Chicago, Ill.; Paul J. Waite, Des Moines, Iowa; and Francis J. McMahon, Grand Rapids, Mich. 20 years - Robert L. Nielsen, Lander, Wyo.

## **Hoke, Great Falls, Mont., Met Tech, Dies**

Cletus L. Hoke, meteorological technician at the Weather Bureau's Great Falls, Mont., Forecast Office, died Nov. 13.

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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