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U. S. DEPARTMENT OF COMMERCE  
ESSA  
NATIONAL WEATHER RECORDS CENTER  
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## Two ESSA Offices Established, One Realigned; Dr. Hallgren Named An Assistant Administrator



Dr. Richard E. Hallgren



Dr. Harris B. Stewart, Jr.



Donald F. Moore

### Miami Laboratories In Reorganization

The ERL's Atlantic Oceanographic Laboratories have been reorganized as the Atlantic Oceanographic and Meteorological Laboratories.

It will consist of five existing Miami-area laboratories: Physical Oceanography, National Hurricane Research, Marine Geology and Geophysics, Experimental Meteorology, and Sea-Air Interaction.

The consolidation creates an interdisciplinary focus to concentrate critical research on oceanography and tropical meteorology in a single location and under a single organization. The new organization will be shaped around environmental research problems which will draw upon the collective strength of several colocated groups in Miami, such as the ESSA Fleet, the Research Flight Facility, the National Hurricane Center, the Coast and Geodetic Survey's Engineering Development Laboratory, as well as other cooperating Federal agencies involved in hurricane activities.

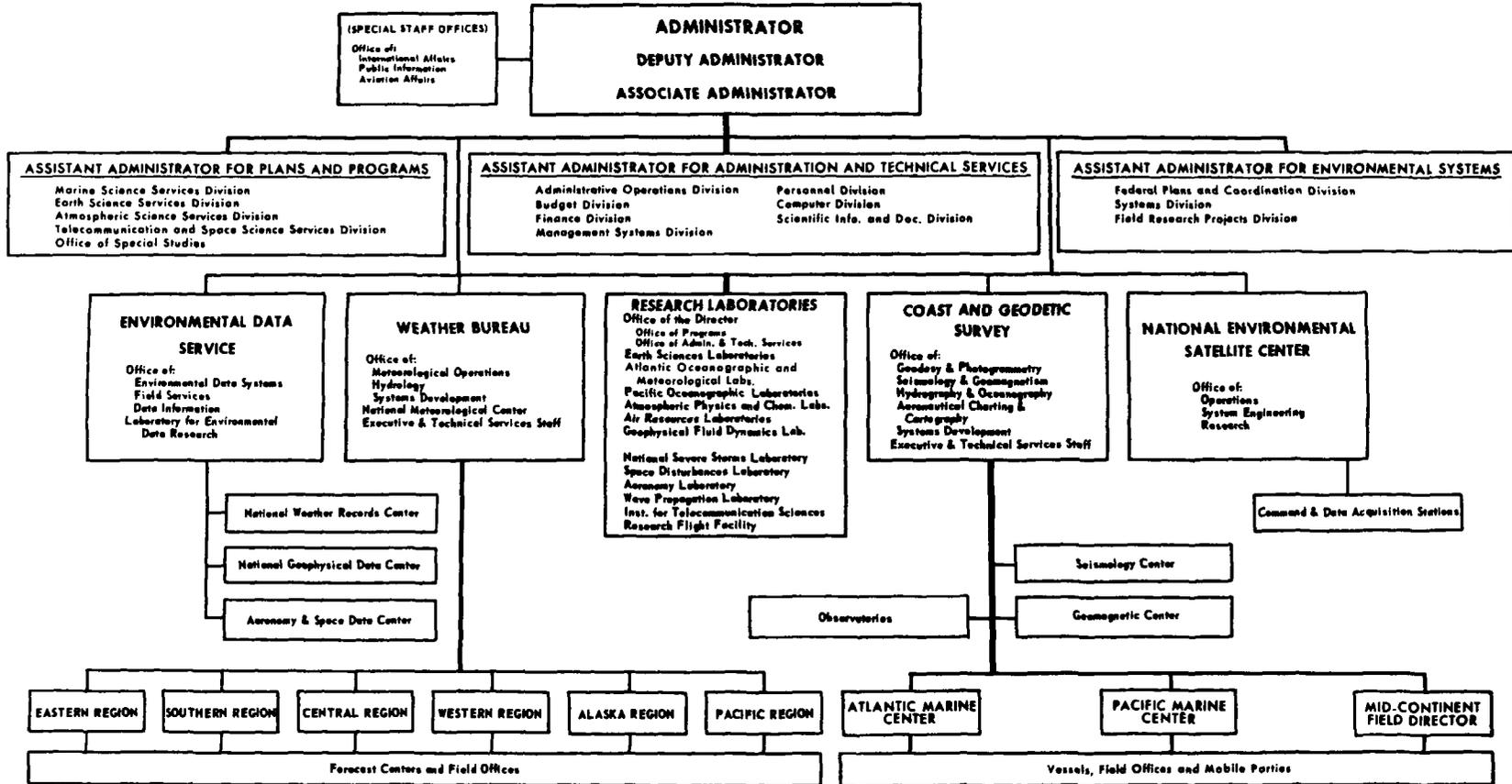
A new headquarters office has been established and another realigned in an ESSA reorganization designed to make more efficient the work of the agency.

An Office of Assistant Administrator for Environmental Systems has been created to consolidate the functions presently in the Office of the Federal Coordinator for Meteorological Services and Supporting Research and World Weather Systems, as well as to provide a focus for systems analysis of ESSA-wide and Federal government-wide systems.

The Office of the Assistant Administrator for Plans and Programs has been restyled along program and disciplinary lines as opposed to its previous functional organization.

The Office of Assistant Administrator for Environmental Systems was established to bring into one office the related coordinating and planning of Federal activities in certain scientific areas that have resided in several offices. The new unit will merge the Office of World Weather Systems and the Office of Federal Coordinator for Mete-

# U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION



**ESSA Reorganization (from Page 1)**

orological Services and Supporting Research. Provision of guidance to the ESSA portion of the Marine Environmental Prediction Planning Staff has been assigned to the new office.

It also provides ESSA with a systems analysis and design capability to discharge ESSA's responsibilities for Federal Government-wide programs which have been assigned to it as lead agency as well as to provide offices for certain ESSA-wide systems.

The office will also become the focal point for the planning and management of field experiments involving other agencies, nations, and non-government scientific groups.

Dr. Richard E. Hallgren, Director of the Office of World Weather Systems, has been named Acting Assistant Administrator for Environmental Systems. C. E. Roache, former Deputy Federal Coordinator for Meteorological Services and Supporting Research, will be Acting Deputy Assistant Administrator. Three Divisions have been established within this office:

A Federal Plans and Coordination Division will provide leadership and coordination in the development of plans for the efficient utilization of Federal meteorological services and supporting research and for participation in the cooperative World Weather Program. Dr. Clayton E. Jensen, former Chief of Supporting Research of the Federal Coordinator's Office will be the acting chief of the new division.

The Systems Division, headed by John W. Connolly (acting), former Chief, Programs Division of the Office of Plans and Programs, will conduct systems studies relating to ESSA's total environmental involvement. It will examine alternative methods for achieving future national environmental science goals and conduct studies related to the design and analysis of interagency and international programs.

A Field Research Projects Division will conduct the engineering and operational planning, coordination and implementation of experiments or tests requiring the joint participation of agencies, countries, or scientific groups including the arrangement of logistic support. William S. Barney, Manager of the BOMEX Project Office will be Acting Chief of the Field Research Projects Division.

The Office of Assistant Administrator for Plans and Programs under the direction of Donald F. Moore, provides ESSA with a focal point for the development, implementation, and maintenance of an effective planning and programming system throughout ESSA and for the development of plans for meeting approved ESSA objectives. In close collaboration with line and staff organizations, the office develops a five-year program and compatible financial plans from which ESSA budgets can be formulated. It conducts a continuing evaluation of ESSA programs and accomplishments, and provides advice and guidance to the Administrator on the program aspects of resource allocations.

The office has been operating under a functional organization over the past 18 months. Under the realignment, one Group and four Divisions will be restructured according to major programs and disciplines assigned to ESSA.

Donald Martineau is Deputy Assistant Administrator for Plans and Programs.

An Office of Special Studies under the direction of Morton Rubin (acting) will provide guidance and direction for ESSA's major program areas with regard to long range goals and plans. It will also conduct cost-benefit analysis and other basic studies required in planning and operating ESSA programs.

The following four program oriented Divisions will support the Assistant Administrator for Plans and Programs:

Marine Science Services Division,  
Cdr. Edwin McCaffrey, Acting Chief.

Earth Science Services Division,  
Cdr. Charles Townsend, Acting Chief.

Atmospheric Science Services Division,  
Donald C. House, Acting Chief.

Telecommunications and Space Services Division,  
Dr. William O. Davis, Acting Chief.

**Littlepage Named To Committee**

Gordon B. Littlepage, Jr., deputy associate director for aeronautical charting, has been designated by RADM Don A. Jones, director of the Coast & Geodetic Survey, to represent the ESSA agency on the Committee on Automation of the American Congress on Surveying & Mapping.

## Final Phase of BOMEX Is Well Under Way

A historic cloud chase is under way off Barbados. Guided by weather satellite photographs, scientists of the Barbados Oceanographic and Meteorological Experiment are flying in search of elusive tropical convective systems which can trigger great storms.

In their search for these unknown atmospheric processes, BOMEX scientists are flying into weather systems that often live only 12 to 24 hours. Flight operations must be planned by 2 p.m. of the preceding day -- and by flight time, the cloud formations observed by satellite the day before may have dissipated and others may have developed.

The will o' the wisp nature of the clouds has necessitated a highly flexible operation. Although planning of aircraft missions begins at dawn of the previous day, when the ground station transported here begins getting photographs from NASA's ATS-III satellite, positioned

nearly over the Equator, this is just a beginning. From these pictures, it is determined which BOMEX objectives may be achieved the next day. Scientists and air operations officers lay out a tentative plan for flight patterns.

However, the next day may bring a radically different cloud picture, and a corresponding change in plan. In the first five days of BOMEX's closing phase (operations end July 28), a system has been established for developing and gridding of satellite photos early in the morning, and placing them on the search planes. Even in flight, plans may change; new information from later satellite photos is constantly radioed to the aircraft.

Aircraft missions were flown on four of the first five days of the closing phase (July 11, 13, 14 and 15), and all, according to Dr. Joachim P. Kuettnner, BOMEX director, were successful.

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### Bernice, No Lady, Comes and Goes

The Eastern Pacific's first hurricane of 1969 has come and gone. Her name was Bernice.

She began as a tropical depression 300 miles south of Acapulco, Mexico, on July 8. She moved slowly west-southwest toward Clipperton Island for two days, then increased in strength and recurved toward the northwest as winds increased to tropical storm intensity. She continued to move in that direction, reaching full hurricane strength with 75-knot winds, on July 12 about 300 miles northwest of Clipperton Island. After two more days of traveling northwestward, she began to lose intensity as she moved over the cooler waters near Clarion Island.

On July 14, she was downgraded to a tropical storm, and on July 16 to a tropical depression.

### ESSA Reorganization (from Page 1)

Dr. Harris B. Stewart, Jr., Director of the Atlantic Oceanographic Laboratories, will become the Acting Director of the new AO&ML. The Physical Oceanography Laboratory, the Marine Geology and Geophysics Laboratory, and the Sea-Air Interaction Laboratory will be transferred intact into AO&ML. The Physical Oceanography Laboratory is headed by Bernard D. Zetler. Dr. George H. Keller is Director of the Marine Geology and Geophysics Laboratory and Feodor Ostapoff is Acting Director of the Sea-Air Interaction Laboratory.

A new Miami Laboratory building has been proposed in the FY70 budget and, if approved, will be the headquarters for the AO&ML.

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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