

## 1969 Hurricane Season Opens

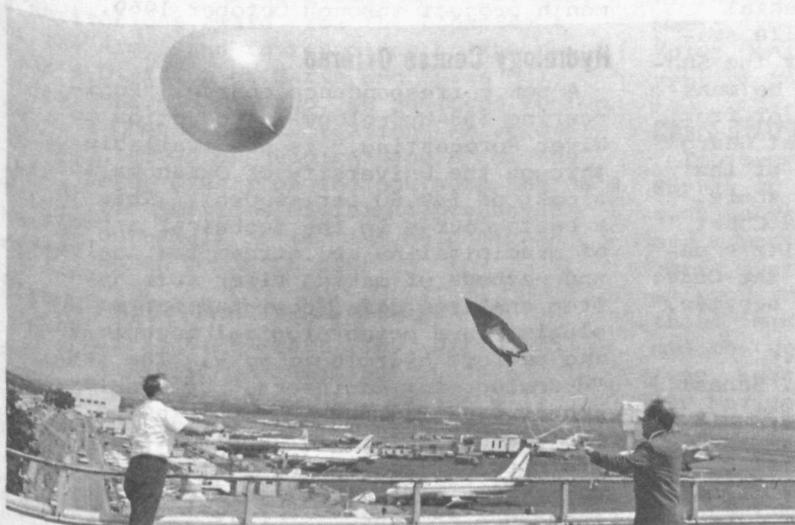
The 1969 hurricane season officially opens June 1, and the Weather Bureau, branches of the U.S. Navy and Air Force, as well as state and local agencies are braced for the annual watch and warning effort. The Weather Bureau's National Hurricane Center in Miami is the focal point for the massive defensive operation. A continuous weather watch is being kept on the storm-breeding areas of the Atlantic, Caribbean, and Gulf of Mexico utilizing weather reports from ships at sea, weather satellite photographs of cloud patterns, RFF, Navy, and Air Force planes, and radar networks. Weather Bureau offices along the vulnerable Atlantic and gulf coasts are engaged in preparedness meetings with business and civic groups; local, state and federal officials; Civil Defense agencies; Red Cross field offices, law enforcement personnel, and members of the news media to go over the warning procedures involved should a storm threaten the United States.

Florida Weather Bureau station offi-

cial will participate in a series of 14 hurricane and tornado preparedness meetings between June 17 and July 10. The meetings are sponsored by the Florida Department of Civil Defense. Florida Governor Kirk has urged each county to send representatives to the area meetings. The Weather Bureau representatives will report on the basic weather watch and warning services, as well as on detailed service and communication arrangements within their respective areas of county responsibility.

"Hurricane!" -- a half-hour color film sponsored by Aetna Life and Casualty of Hartford, Conn., and co-produced by ESSA and Aetna -- is scheduled for release for the 1969 hurricane season.

The names to be used to identify hurricanes and tropical storms in the Atlantic, Caribbean, and Gulf of Mexico during the June-through-November hurricane season are: Anna, Blanche, Camille, Debbie, Eve, Francelia, Gerda, Holly, Inga, Jenny, Kara, Laurie, Martha, Netty, Orva, Peggy, Rhoda, Sadie, Tanya, Virgy, and Wenda.



### D.C. Air Pollution Station Dedicated

Karl R. Johannessen (right), WB Associate Director, assisted by Observer Robert J. Janski, released the first balloon at the May 16 dedication of the Washington, D.C., air pollution unit.

## Micronesian Trainees Graduate



Eight Micronesians became graduates of the Pacific Region's School for Observers on May 15. The students, who have been working and studying with Herbert T. Hirata since entering the Weather Bureau in July 1968, will now begin on-the-job training at their home stations. Shown left to right are: Seperiano John, Ponape; Hiob Mesubed, Koror; Tadao Ngotel (management trainee), Palau; Howard Tar, Majuro; and James Faylim, Truk. Standing: Robert F. Shaw, Chief of DATAC, Pacific Region who awarded the certificates; Simeon Gildefan, Yap; Raphael Lingesoh, Yap; Herbert T. Hirata, instructor; James Siyow, Yap; John Chodad, Yap.

## C&GS Book Cited in Court Decision

"Shore and Sea Boundaries," by Aaron L. Shalowitz, a former Special Assistant to the Director of the Coast Survey, was freely cited and quoted by the U.S. Supreme Court in a recent case involving ownership of the oil-rich submerged lands off the Louisiana coast. The crucial question was whether the three-mile seaward boundary of Louisiana, under the Submerged Lands Act of 1953, should be measured from its physical coastline or from the lines established by the Coast Guard and shown on the nautical charts of the Coast Survey 10 to 20 miles from shore. In the course of the opinion, the Court made 22 references to Dr. Shalowitz's paper. Dr. Shalowitz retired from the Coast Survey in 1964 after 48 years of service.

## Three Elected to Scientific Society

State climatologist Lawrence A. Schaal, advisory agricultural meteorologist Walter L. Stirm, and meteorologist Paul A. Miller, WB retired, were initiated to full membership in the Society of Sigma Xi at Purdue University, May 13.

## Adm. Nygren To Be IOC Delegate

Rear Admiral Harley D. Nygren, ESSA Associate Administrator, will be a delegate to a special Intergovernmental Oceanographic Commission working group convening in Paris, June 16-21. The purpose of the conference is to prepare a report setting forth proposals for the United Nation's long-term and expanded program of worldwide exploration of the oceans and their resources of which the International Decade of Ocean Exploration, originally proposed by the United States, is an important element.

## Regional Climatologists Convene in June

ESSA's six regional climatologists will meet at EDS headquarters, June 12-16, to report on climatological activities and problems in their respective regions and to be briefed on EDS plans. Included in the agenda for discussion will be the extension of EDS' field program to other geophysical disciplines, and the forthcoming World Meteorological Organization Commission for Climatology meeting.

## Massachusetts Survey Resumed

Hydrographic survey operations will be resumed in June off Massachusetts as part of a five-year charting program begun in 1967. The survey will provide the latest navigational information for seagoing commerce and recreational boating. The area was last completely surveyed in the late 1800's. The USC&GS Ship PEIRCE, commanded by Lt. Cdr. J. Austin Yeager, will conduct the six-month project through October 1969.

## Hydrology Course Offered

A new correspondence course, "Engineering 355-Hydrology-Introduction to River Forecasting," is now available through the University of Oklahoma at a cost of \$49.50 per student. This is a basic course in the technical aspects of precipitation and streamflow analysis and methods of making river forecasts from analyzed data, designed for meteorologists and meteorological technicians who perform hydrologic work. The text, "Hydrology for Engineers," by Linsley, Kohler, and Paulhus is supplemented with explanatory material. Applications for training should be made in the same manner as for other short-term or correspondence courses.

## Air Pollution Division Relocates

The Division of Meteorology of the National Air Pollution Control Administration, U.S. Department of Health, Education and Welfare, directed by Robert A. McCormick, will transfer to Raleigh, N.C., on July 14. Most of the Division's research work is performed by ESSA meteorologists and technicians on assignment from ERL's Air Resources Laboratory. Presently located at Cincinnati, the Division performs research and gives consultation on the meteorological aspects and the control and abatement of air pollution.

## Dr. White Attends WMO Conference

Dr. Robert M. White, ESSA Administrator, is attending the meeting of the World Meteorological Organization's Executive Committee in Geneva, Switzerland, May 29 - June 11. Dr. George P. Cressman, Weather Bureau Director, is his alternate. Nels E. Johnson, Director, International Affairs, is attending as advisor.

## Student Employee Wins Science Prizes

Greg von Bokern, part-time Weather Bureau employee at Tracy, Minn., won the \$100 first place award from the American Meteorological Society at the 20th International Science Fair for high school students held at Fort Worth, May 5-9. In addition, Mr. Von Bokern received a two-week cruise aboard a naval oceanographic research ship under sponsorship of the Society of Exploration Geophysics, a meritorious award from the Department of the Army, and fourth place in the Fair's Division of Earth and Space Sciences. Harold McCrabb, WB Southern Region Service Operations Evaluation Meteorologist, served on judging panels for the fair; Jeter Pruett of the Southern Region's Scientific Services Division, presented awards on behalf of the AMS as chairman of the North Texas Chapter.

## Stewart Appointed to IOC Delegation

Dr. Harris B. Stewart, Jr., Director of the Atlantic Oceanographic Laboratories, has been appointed to the U.S. delegation to the Intergovernmental Oceanographic Commission's Cooperative Investigation of the Caribbean and Adjacent Regions. This will be an international project in 1970.

## Getting Down to Work



Harold D. Ellis, Geodimeter operator with Party G-16, was lowered from a Coast Guard helicopter to conduct Geodimeter operations, during a recent survey of Oahu Island, Hawaii. The heavy equipment was lowered from the helicopter in a basket.

## Radio Station Cited for Public Service

Silvio Simplicio, Eastern Region Director, presented the Department of Commerce Public Service Award to John Day, Executive Vice President of Radio Station WHDH, during WBFO Boston's 11th Annual Marine Meeting, May 2. The station was honored for 26 years of direct Weather Bureau broadcasts. Dr. Oscar Tenenbaum, MIC at Boston, received a Certificate of Merit from the Massachusetts Division of Motor Boats for his work in the development of Marine Weather Services.

## Chart Distribution Service Improved

Improvements initiated by the Coast Survey in its nautical chart distribution service to authorized chart agents are expected to benefit both agents and chart users. All charts will now be shipped to agents by airmail, except for those in Maryland, Delaware, Virginia, and the District of Columbia. In addition, agents will receive an Advance Order Notice listing the charts being published during the following four-week period. An automatic distribution system has been established to handle advance orders immediately upon publication of the new editions of charts.

### **Dr. Little Edits IEEE Proceedings**

Dr. C. Gordon Little, Director of ERL's Wave Propagation Laboratory, was guest editor of the April 1969 issue of the "Proceedings of the Institute of Electrical and Electronics Engineers." The special issue carried 29 scientific papers on remote environmental sensing, six of which were authored by ERL personnel. ESSA contributors were: John W. Wright, Aeronomy Laboratory; Lowell H. Tveten and R.D. Hunsucker, Institute for Telecommunication Sciences; James C. Owens, Wave Propagation Laboratory; Wallace L. Clark, Richard B. Norton, and James M. Warnock, Aeronomy Laboratory; John R. McAfee, Institute for Telecommunication Sciences; A. Glenn Jean and Gordon H. Lerfald, Space Disturbances Laboratory.

### **Arkansas Seismic Station Installed**

The Coast Survey's Albuquerque Seismological Center has completed installation of seismic instruments in the new seismograph station of the University of Arkansas. Operations at the university's former seismic station at Fayetteville, Ark., were discontinued last year. The Fayetteville records will be forwarded to the Survey's National Earthquake Information Center at ESSA headquarters to supplement the data used in the earthquake location program. The records will also be used by the University's Geology Department.

### **Nash Chosen EEO Counselor**

William Nash of EDS' National Weather Records Center, Asheville, N.C., has been designated Equal Employment Opportunity Counselor for Commerce employees and applicants in the Carolinas. Keith Butson, also of NWRC, was named alternate.

### **Shak Attends Snowmobile Workshop**

G. L. Shak, Eastern Region User Services Representative, attended the International Snowmobile Conference's safety workshop held recently in New York. The conference, cosponsored by the New York State Conservation Department and the Northeast and Lake Central Regional Offices of the Bureau of Outdoor Recreation at Albany, attracted more than 125 participants.

### **C&GS Initiates Reporting Program**

The Coast Survey has initiated a program for more timely dissemination of scientific and technical data from specific program projects. The program provides for the publication and distribution of Operational Data Reports in a preliminary and provisional form prior to the issuance of more formal reports. Each Operational Data Report will be limited to one specific development and will carry the author's name.

### **Eight Complete University Course**

Eight Weather Bureau forecasters have completed a special one-semester training session at Texas A&M University. Graduates were: Rufus Crosby, Louisville, Ky.; John Mosely, Baton Rouge, La.; Clement Rochat, San Angelo, Tex.; John Smith, Phoenix, Ariz.; Leonard Waas, Athens, Ga.; and John Yates, Des Moines, Iowa.

### **Earthquake Investigation Report Published**

The National Earthquake Information Center has issued a publication entitled "Earthquake Investigation in the United States," listing the major earthquakes that have occurred in the United States during the past century. The publication includes a section on "What To Do During an Earthquake." Copies of the 58-page booklet can be purchased for 35 cents from the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402.

### **Service Awards**

The following Weather Bureau Southern Region employees were eligible to receive length-of-service awards during May: 25 years - Harry F. Kunkel and William L. Hamlin, Corpus Christi, Tex.; Harold J. Monroe, Jr., New Orleans, La.

Length-of-service awards were received by the following employees during May: WB Pacific Region - 30 years - Ah Kin Leong. 25 years - Tess Misrasi.

EDS' National Weather Records Center - 30 years - Milton G. Johnson. 25 years - Francis M. Hallingse, Dora Coggins, Thaddeus H. Bilton, Johnnie M. Jones, Hazel D. Smith, and Mortimer Buchwald. 20 years - Raymond O. McSawin and Boyd D. Young.

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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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