



# NOAA WEEK

U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration

## White, Pollock, Townsend Sworn Into Office By Secretary of Commerce Maurice H. Stans



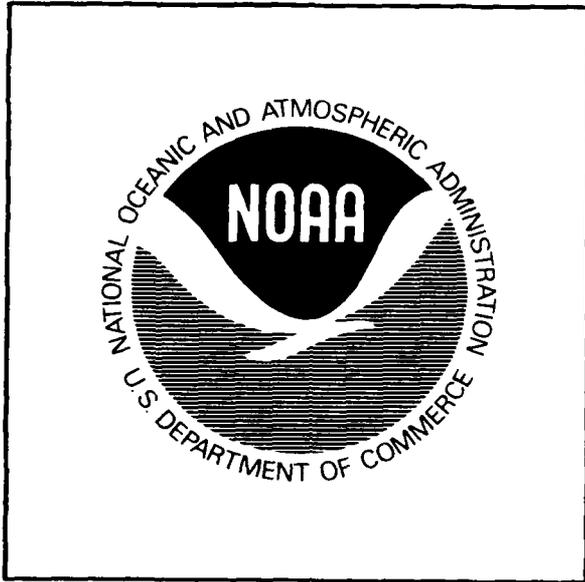
Left to right: Dr. White, Mrs. White, and Secretary Stans.

Three key NOAA officials were sworn into office by Secretary of Commerce Maurice H. Stans in a ceremony held in the Secretary's office at 2:30 p.m. on Thursday, Mar. 18. Dr. Robert M. White

took office as Administrator; Howard W. Pollock became Deputy Administrator; and Dr. John W. Townsend, Jr., was sworn in as Associate Administrator.

(See other swearing-in photos on page 3)

## NOAA Emblem Selected



An emblem for the National Oceanic and Atmospheric Administration has been selected after months of deliberation. In response to a letter from Dr. White, NOAA Administrator, that appeared in the January 8 issue of NOAA WEEK, more than 2,000 employees expressed their opinions concerning the three top contenders for the NOAA emblem. Design No. 1--the emblem selected--received 1,276, No. 2 received 183 votes, and No. 3 a total of 787 votes. In addition, 110 alternate suggestions were received.

Design No. 1 (above), created by the NOAA Visual Services Branch, has a white gull-like form linking the atmosphere (deep blue) to the sea or earth (light blue). The line defining the top of the gull's wings also resembles the trough of a foaming ocean wave against the blue sky. A creature of sea, land, and air, the gull adds an ecological touch to the earth-sky motif.

The emblem symbolizes NOAA's worldwide role in the environmental sciences and the role of these sciences in defining and determining ecological relationships, promoting better use of our national resources, and providing a better understanding and predictability of the global phenomena. The emblem will be used, when appropriate, to identify installations, offices, facilities, activities, publications, equipment, and by NOAA employees on private vehicles for parking purposes. The emblem will be available

(continued)

## President Designates March As Red Cross Month for '71

President Nixon has designated March 1971 as Red Cross Month. In a memorandum to agency heads, the President said in part:

"I have today designated March, 1971, as Red Cross Month. As President of the United States and Honorary Chairman of the American National Red Cross, I extend my personal support to the vital humanitarian activities of the Red Cross. I know that all of you as citizens and leaders will want to do likewise, and that you will want to cooperate in informing every Federal employee and every member of the Armed Forces of the many ways through which he or she can render service and reap benefits by supporting the Red Cross.

"In every community across the Nation men and women who work for the Federal Government or serve in the Armed Forces will have opportunities to help the Red Cross toward its 1971 national fund goal of \$133,978,000, or to contribute their services as volunteers, or to take part in Red Cross blood donor programs...

"Recent efforts of the Red Cross have brought relief to victims of Hurricane Celia and of flooding in Puerto Rico. Around the world the Red Cross has helped American servicemen in Vietnam and 29 other countries; has taken a leading role in urging adherence to the Geneva conventions in the treatment of American prisoners of war in North Vietnam; and has ministered to refugees from the civil strife in Jordan and from East Pakistan's catastrophic cyclone. It adds up to a titanic achievement in easing human suffering, and summons all of us in the Federal Government to set an example for the Nation with an outpouring of support during March."

to employees in decal form, and will be stocked by the NOAA Central Logistics Supply Center, Federal Building 9, 601 Hardesty Street, Kansas City, Mo. 64124, to which requests from offices should be addressed. It is anticipated that a supply of the decals will not be available at the Center for about two months. Until a supply is received by the Supply Center, offices are requested to hold their orders for decals until about April 15.

# NOAA Officials Take Office (continued)



Left to right: Mr. Pollock, NOAA Deputy Administrator, Mrs. Pollock, and Secretary Stans.



Left to right: Dr. Townsend, NOAA Associate Administrator, Mrs. Townsend, and Secretary Stans.

## Nominations for 1971 Department and NOAA Awards Invited

Nominations are again being accepted for the Department of Commerce's Gold and Silver Medal Awards, and for the four NOAA Special Awards for 1971.

The Gold Medal Award, the highest given by the Department, is granted for rare and outstanding contributions of major significance to the Department, the Nation, or the world. Examples of such contributions include: (a) a major contribution to science, technology, or administration; (b) demonstrated outstanding leadership in the administration of major programs; (c) highly distinguished authorship; or (d) heroic action involving jeopardy of life.

The Silver Medal Award, the second highest given by the Department, is granted for contributions of unusual value to the Department. Examples include: (a) very valuable contribution to science, technology, or administration; (b) outstanding skill or ability in duty performance which has resulted in program advancement; (c) meritorious authorship; or (d) unusual courage or competence in an emergency.

The NOAA Special Awards, which were initiated last year, consist of a plaque and \$1,000, and provide a fine opportunity for NOAA to recognize, in a very substantial fashion, the exemplary contributions of outstanding employees. Normally, only one award will be made in each of the following four categories:

1. Scientific Research and Achievement: To recognize unusually significant contributions to scientific research and development, or outstanding contributions to scientific literature, including all

areas of specialization represented in NOAA.

2. Public Service: To be granted for unusually significant contributions to the quality and effectiveness of NOAA's public service programs, contributions having such merit as to bring extraordinary credit to NOAA and the Department.

3. Engineering and Applications Development: To recognize unusually significant contributions to the operating or research programs of NOAA in the area of engineering, applied technology, or systems or equipment development.

4. Program Administration and Management: To be granted in recognition of unusually significant contributions to the efficiency and quality of NOAA management and administrative activities.

Any employee or official of NOAA may nominate candidates for these awards. Nominations of NOAA personnel will also be accepted from persons not previously or presently employed by NOAA, but who, because of their work or interests, are well informed about some phase of the program cited. In all cases, nominations must be endorsed by the head of the organizational component or staff office in which the nominee is employed. Present plans call for the awards to be presented at ceremonies scheduled for October 1971. In order to ensure sufficient time for consideration and review of all nominations, they must be submitted prior to May 3, 1971.

For information concerning forms for submission, nomination procedures, approvals, etc., please contact your Personnel Office.

## NOS Plans Report on California Earthquake

The National Ocean Survey plans a comprehensive report on the effects of the February 9 earthquake in Southern California, which took 64 lives and caused damage estimated as high as one billion dollars. A 14-member Seismology Panel has been named by Leonard Murphy, chief, Seismology Division, to conduct seismicity studies and prepare the report. E. R. Engdahl and A. F. Espinosa were named co-chairmen. It is anticipated that when the study is completed, several volumes on the findings, similar to those issued after the 1964 Alaskan earthquake, will be published.

## Dr. Alverson Is Delegate To Law-of-the-Sea Conference

Dr. Dayton L. Alverson, Associate Regional Director of the National Marine Fisheries Service's Northwest Region, will play a key role in planning the next United Nations law-of-the-sea conference. Representatives of more than 84 nations are now in Geneva, Switzerland, to establish the organizational framework for the conference, which is scheduled for 1973. As a member of the U.S. delegation, Dr. Alverson represents NOAA in such areas as ocean fisheries, science, and pollution. A second preliminary session is set for July of this year.

## David Holmes Is Appointed Sounding Systems Branch Chief



David W. Holmes has been appointed Chief of the Data Acquisition Division's Sounding Systems Branch. This Branch is responsible for the policies and procedures relating to the atmospheric sounding system of the National Weather Service. Mr. Holmes will serve as consultant to

national and international agencies in the fields of observations and instruments, particularly surveillance radar and upper air measurements. Mr. Holmes began his career with the NWS in 1950. His other assignments have been as principal assistant at Dodge City, Kans.; Chief of the Radar Unit at NWS headquarters; and as Chief of the Ground Systems Group at the National Environmental Satellite Service.

## RUDE/HECK Search for Chesapeake Bay Wrecks

A two-month search is being made this spring in Chesapeake Bay for the wrecks of ships and barges which may be hazardous to navigation. The search is being conducted by the NOAA wire drag ships RUDE and HECK--the only vessels of their kind in the U.S. designed specifically for this task. The work will be performed in Hampton Roads, Va., and in the middle of the bay off Bayside, Va., as part of a long-range program to locate all submerged obstructions in the bay from its entrance to Baltimore, Md. More than 50 submerged obstructions have been reported in the southern part of the bay, where a search will be made this year. The wire drag ships will operate within a one-mile radius of each reported site. The wrecks reported in Hampton Roads include the 85-ton U.S. Ship PERSEVERANCE which sank in 1943 in the entrance; a 36-foot boat lying off the Atlantic City Warehouse Corporation pier in Norfolk, Va.; a 26-foot cabin cruiser on Hampton Bar off Old Point Comfort; and a 125-foot barge off Sewells Pt., Norfolk. Those reported off Bayside include an LCM landing craft, and the steel-laden barge BERTIE.

## NOAA Awards Sea Grant For Pharmacology Study

NOAA has awarded \$161,800 to the University of Oklahoma (Norman)--the first Sea Grant to the inland State of Oklahoma--for marine pharmacology work under the direction of Dr. Alfred Weinheimer. A major goal of the university chemists will be to obtain antibacterial compounds from coral. Dr. Weinheimer and his associates will isolate and try to produce useful compounds that demonstrate antibacterial or similar effects, from coral and other marine invertebrates.

Now more than 15 years old, the Oklahoma marine chemistry program has studied the extractable organic chemical content of several plentiful coral reef invertebrates from the Caribbean and other waters. Throughout the work, the scientists have observed that many of the extracts demonstrate antibacterial activities of possible benefit to man. Recent experiments have shown high degree of antitumor and antileukemia activities among certain types of the compounds.

With the aid of the NOAA Sea Grant, the investigators hope to develop practical methods for producing useful compounds in quantity. Special attention will be given to those aspects that show potential as anti-cancer agents. This program is a part of the NOAA Sea Grant effort in marine pharmaceuticals.

The Oklahoma scientists collect tropical and subtropical invertebrates several times each year, chiefly in the Caribbean. They have studied various types of corals as well as sponges and other materials. Previous support has come from the National Institutes of Health.

## NOAA Ship Surveys Pago Pago Harbor

The NOAA Ship SURVEYOR began the first detailed hydrographic survey of Pago Pago Harbor in American Samoa in mid-March. The one-month survey will provide the latest navigational information for the harbor's increased marine activity and waterfront development. The last hydrographic survey was made by the U.S. Navy in 1915. The 292-foot, 3150-ton vessel, commanded by Capt. Arthur R. Benton, will use 26-foot launches to survey the harbor and its approaches, including Fagaitua Bay, Pala Lagoon and the waters between Tulutula Point and Niuloa Point, which are being proposed as small boat harbors, and conduct measurements of the tidal currents and the magnetic field at several other locations.

## NMFS Research Vessel Begins Spring Ground Fish Survey

The National Marine Fisheries Service research vessel ALBATROSS IV, commanded by Walter Beatteay, left Woods Hole, Mass., Mar. 9, on the first of three parts of the annual spring ground fish survey. During this first leg of the survey, standard otter trawl hauls will be made at 110 randomly pre-selected stations from Block Island to Georges Bank. Later parts of the cruise will cover the fishing grounds south to Cape Hatteras and north and east to the Bay of Fundy and western Nova Scotia. The entire survey will cover an elapsed time of about two months, and a total of 340 trawl stations is scheduled.

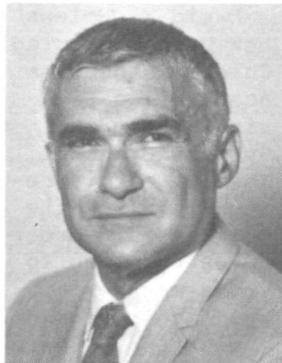
The principal objective of these surveys, which are conducted each spring and fall, is to provide a quantitative inventory of the current status of populations of our most valuable New England food fishes, such as haddock and yellow-tail flounder. Accurate and up-to-date data on abundance and distribution of the fish stocks are essential as a basis for international negotiations on conservation measures--such as catch quotas, and closed areas and seasons. The ground-fish surveys are also proving to be invaluable supplements to commercial fishery statistics in helping assess the effects of fishing on the stocks.

Another major aim of the survey is to provide basic information on the ecology of marine fishes, particularly on reproduction, growth, and mortality, and on the correlation of environmental factors with fish distribution.

Some new features added to the 1971 spring survey are a preliminary general survey of contaminants such as heavy metals and pesticides in fish and shellfish resources in offshore waters, and expanded sampling of planktonic animals, particularly fish eggs and larvae. These aspects will continue concurrently with the bottom trawling, and will contribute to a more complete understanding of the potential role of pollutants in the ecology of marine fishes.

Scientists from six different NMFS laboratories and one university (Northwestern) will be taking part in the first part of the spring survey. Robert Livingstone, Jr., of the Woods Hole Laboratory, will be the chief scientist during the first leg.

## Gale and Sunray Receive Special Achievement Awards



Michael Sunray



Phillip Gale

Phillip E. Gale and Michael Sunray, of the National Weather Service's Overseas Operations Division, have received Special Achievement Awards in the amount of \$300 each for the parts they played in the establishment of a rawinsonde station on Guadalupe Island, Mexico. The NWS has, for a number of years, had an urgent need for upper-air weather reports from Guadalupe Island. Following prolonged negotiations, agreement was reached with Mexico in September 1970 to proceed with the installation and activation of the station.

Guadalupe Island is a volcanic island about 250 miles southeast of San Diego, Calif. It has no harbor, roads or other improvements, and is uninhabited except for a small Mexican Navy detachment. Mr. Gale was project leader for the assembly of the equipment, its transportation to the island and the construction of the station within a four-month period. Mr. Sunray played a major role in the negotiations with Mexico and provided the necessary liaison with the Mexican Meteorological Service and the Mexican Navy. He also conducted a special training school in Mexico City for the Mexican Navy personnel who now man the station.

## Hydrograph of Great Lakes Available

A hydrograph showing the monthly mean levels of the Great Lakes from 1860 and of Lake St. Clair from 1896 to the present is published by the Lake Survey Center. The hydrograph dispels the theory held by many residents of the area that the Lakes fluctuate on a seven-year cycle. Copies of the hydrograph are available free on request from the Lake Survey.

## NODC To Be Lead Agency For New Training Program

EDS's National Oceanographic Data Center has been selected as the lead agency in a new training program established under the auspices of the Intergovernmental Oceanographic Commission (IOC) of UNESCO. The project has been set up to train qualified personnel from developing countries of Asia, Latin America, and Africa to strengthen their ability to obtain, process, and effectively use marine data. Candidates for the course--to be chosen by the Secretariat of IOC--will be individuals concerned with marine science, technology, and related subjects in their countries, who have adequate scientific or technical backgrounds and facility in the English language. Three training courses, each for about seven trainees, will be conducted by NODS in the United States from June 1971 to December 1972.

## Premetz, Swanson Participate In Conference on Pollution

Ernest D. Premetz, Chief of the National Marine Fisheries Service's Division of Ecosystem Quality, and Cdr. R. Lawrence Swanson, Chief of the National Ocean Survey's Oceanography Division, will be principal participants in a conference on Pollution and the Marine Industry, to be held in New Orleans, Apr. 1-3. The conference is being presented by the International Association for Pollution Control with participation from the Environmental Protection Agency, U.S. Coast Guard, Maritime Administration, Department of Defense, NOAA, and Small Business Administration, with cooperation of the American Association of Port Authorities, American Society for Oceanography, Boating Industry Association, and the National Association of Engine and Boat Manufacturers.

## Administrative Procedures Course for Supervisors Ends



Twenty-seven NOAA employees attended the Administrative Procedures for Supervisors course at the Washington Science Center, Rockville, Md., Mar. 8-12. Instruction was provided by subject-area specialists from the NOAA Office of Administration and Technical Services. Shown, left to right, seated: Evelyn L. Boston, Roberta L. Tidmore, Edna H. Ross, Bettie L. Littlejohn, Lois A. Lenori, Kathleen H. Anderson, and Mary C. Roberts.

Standing: Daniel E. Bella (Coordinator/Instructor), Larry M. Nakatsu, J. David Almand, Anthony Montgomery, Thomas J. Billy, Darvin L. Bisbee, Louis Brisky, Otis Payne, Richard G. Kuhn, John A. Dabrowski, David L. Shaffer, Richard C. Muller, Raymond A. Lang, William R. Burke, Eugene M. Russin, Fred Hodo, Jr., Lewis J. Baker, James F. Murphy, William P. Brenneman, Edward R. Bland, and Harold Goodman.

## Pilot of Great Lakes For Sale in April

The Lake Survey Center's new annual edition of the Great Lakes Pilot goes on sale in April. This book, containing more than 600 fact-filled pages, offers information for the Great Lakes mariner comparable to that of the coast pilots used by the other sections of the country. It describes many features which cannot conveniently be shown on the charts. Included are descriptions of shorelines and harbors, mileage tables of distances between various Great Lakes harbors, season of navigation, bridge clearances, signals for locks and bridges, and dimensions and capacities of dry docks and marine railways, as well as Federal laws and local ordinances. It also lists the locations of all Coast Guard stations and National Weather Service display stations and contains an excellent discussion of the compass and navigation. The Pilot is updated during the navigation season by means of Supplements issued monthly from May through October. This "bible" of the Great Lakes is not used exclusively for navigation. In addition to its value in both commercial and pleasure boating, it is a source of interest and reference to the researcher, student, or anyone desiring knowledge about these vast, important waters. The price of the Pilot is \$3.25, which includes the supplements.

## Friedman, RFF Meteorologist, Named To NYU's Alumni Advisory Council

Howard A. Friedman, Project Coordinator/Meteorologist with the Miami-based Research Flight Facility, has been named to represent New York University in the south Florida area as a member of NYU's Alumni Advisory Council on Admissions. The Alumni Advisory Council on Admissions is a nationwide organization of specially selected New York University alumni who assist the Office of Admissions in implementing the admission policies of the University. Mr. Friedman received a bachelor's degree from NYU's College of Arts and Science in 1960, and a master's in meteorology from NYU in 1967.

## NWS Specialists Instructed In Air Pollution Sounding



Seventeen National Weather Service specialists recently completed a Low Level Air Pollution Sounding Training Program at St. Louis, Mo., under the leadership of Paul E. Hammett, Central Region Upper Air Specialist. Low level soundings sense temperature structure and wind profile of the lower atmosphere and are used in the preparation of air pollution potential forecasts. Attendees are assigned to Environmental Meteorological Support Units, which provide weather advice to Federal, state, and local pollution control agencies. Front row, seated, left to right: Phyllis Pollard, Cleveland; James Robinson, New York; Eldon Beals, El Monte; Eleanor Voeste, Los Angeles; Tom Holmes, Salt Lake City. Standing, left to right: Dewain Hilliard, Louisville; Robert Lester, Cleveland; James Robinette, Denver; Robert Roe, Denver; Melbourne Pidgeon, Louisville; Charles Frunkfeokner, Cleveland; Harvey Hastrup, Los Angeles; Earl Welliver, El Monte; Charles Bobbitt, St. Louis; James Harding, Denver; Dave Kzar, Louisville; Gary Hensley, El Monte; and Paul Hammett, Kansas City.

## Evelyn Spearman, NOAA Cashier, Retires

Mrs. Evelyn Spearman, who has been Imprest Fund Cashier in the General Services Section's Administrative Operations Division for the past six years, retires today. Mrs. Spearman began her service with the old Weather Bureau in 1958.

# **National Oceanic and Atmospheric Administration**

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