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# ESSA NEWS

U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

## Six Winners of First ESSA Awards Announced



Edward E. Jones



John J. Smiles



Dr. C. Gordon Little



Dr. Oscar Tenenbaum



Dr. Joseph Smagorinsky



William H. Haggard

Dr. Oscar Tenenbaum, John J. Smiles, Dr. Joseph Smagorinsky, Edward E. Jones, William H. Haggard, and Dr. C. Gordon Little are this year's winners of the newly established ESSA Awards. Each will receive one thousand dollars and a plaque, to be presented at the ESSA Awards Night Dinner Dance in Silver Spring, Md., July 10.

The awards recognize unusually significant contributions to ESSA programs, in four categories--public service, scientific research and achievement, engineering and applications development, and pro-

gram administration and management.

Dr. Oscar Tenenbaum, meteorologist in charge of the Boston, Mass., Weather Bureau Forecast Office, and John J. Smiles, chief of the Visual Services Branch at ESSA headquarters, will receive the Awards for Public Service. Dr. Tenenbaum will be cited for his leadership in developing an outstanding weather forecast service for the New England area. The Boston Weather Bureau Forecast Office serves not only the city and the state, but also is the weather coordination center for all of New England. The outstandingly ef-

fective services provided by Dr. Tenenbaum and his staff have earned praise and honors from weather-oriented groups and industries throughout New England. Dr. Tenenbaum received the State Certificate of Merit from the Massachusetts Division of Motorboats in May 1969, for his "outstanding service to the State boating program to save lives on the water." In September 1969, he was given the New England Winter Sports Council's silver bowl, presented annually to the person who has contributed most to winter sports in New England, for the excellence of the snow reports issued through the Boston weather office's VHF-FM broadcasts.

John J. Smiles has won the Public Service Award for his leadership, inspiration, ingenuity, and the high productivity and quality of work performed by his branch, which has enhanced the agency's programs of public service and education. The staff that Mr. Smiles recruited and trained has produced many prize-winning publications and exhibits. Mr. Smiles received the Commerce Department's Creative Communication Award in 1967.

Dr. Joseph Smagorinsky, winner of the Award for Scientific Research and Achievement, will be cited for outstanding achievement as a scientist and research leader in studies of the dynamics of the oceans and atmosphere. Dr. Smagorinsky has headed ESSA's Geophysical Fluid Dynamics Laboratory, now located in Princeton, N. J., since its beginning in 1955. He and the Laboratory are recognized worldwide for basic research in mathematical modeling of the atmosphere and oceans. Dr. Smagorinsky received the Gold Medal of the Department of Commerce in 1967 and the Meisinger Award of the American Meteorological Society in the same year.

Edward E. Jones, an electronic engineer with the Coast Survey's Pacific Marine Center in Seattle, Wash., is to receive the Award for Engineering and Applications Development. Mr. Jones won the award for designing and developing, from equipment and parts already on hand, a reliable automated data acquisition system that was vitally needed for a three-year oceanographic and hydrographic project to be conducted by the USC&GS Ship SURVEYOR in Norton Sound, Alaska. The system developed by Mr. Jones was so successful that similar systems were built for three other C&GS ships.

The Award for Program Administration and Management, given for unusually significant contributions to the efficiency

and quality of ESSA management and administrative activities, has been won by William H. Haggard, Director of the National Climatic Center (formerly the National Weather Records Center) in Asheville, N. C., and by Dr. C. Gordon Little, Director of the Wave Propagation Laboratory in Boulder, Colo.

Mr. Haggard will be cited for distinguished direction and implementation of programs for modernizing operations of the Asheville Center. Under his direction, the Center's high-speed data processing equipment has been modernized, employees retrained, and management restructured for more efficient operations. Since the formation of ESSA, the scope of Mr. Haggard's responsibilities has been broadened and increased to include National Geophysical Data Center operations in seismology and geodesy.

Dr. C. Gordon Little will receive the award for outstanding scientific direction of research in the remote sensing of man's geophysical environment and for creating and establishing a very productive new laboratory. Although it was established only three years ago, the Wave Propagation Laboratory has achieved national recognition for excellence of research in the field of remote sensing of the atmosphere. The Laboratory is making important contributions to the operating techniques used by many agencies, including the Weather Bureau, Coast and Geodetic Survey, National Air Pollution Control Administration, National Aeronautics and Space Administration, and the Department of Defense. Dr. Little previously won the Department of Commerce Gold Medal for highly distinguished contributions to the physics of radio propagation and to other research programs in radio science.

\$11.50/PERSON

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COCKTAILS 7pm \* DINNER 8pm \* DANCING 10pm - 1am.

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Phone IDS Code 14-68134 or (301) 496-8134)

## Public Invited to World Weather Center Open House



*World Weather Center at Suitland, Md.*

The Washington World Weather Center in Suitland, Md., one of the three global weather facilities in the World Weather Watch, will be open to the public on Sunday, July 12, with tours beginning from 10 a.m. to 3 p.m. The open house is one of many being held across the nation to mark the fifth anniversary of ESSA.

Located in Federal Office Building Number 4 near the intersection of Suitland Road and Silver Hill Road, the complex includes the National Environmental Sat-

ellite Center and the Weather Bureau's National Meteorological Center. It receives weather information from around the globe, processes the data by means of computers, and disseminates forecast charts to weather offices in the United States and overseas.

Entering the front door of Federal Office Building Number 4, each visitor will receive a map to guide him to the various stops on the tour. One will be the National Meteorological Center, where giant computers forecast for the nation and the hemisphere. At the National Environmental Satellite Center, the visitor will view the operational control room for the ESSA satellite system, see weather photographs being received from ESSA spacecraft, and examine equipment that is being developed for future satellites.

Other ESSA activities included in the tour are the local forecast office, which issues weather predictions for the Washington area, and the Weather Bureau Spaceflight Meteorology Group, which provides weather information and forecasts for manned space missions.

A fully equipped mobile van, used in the Weather Bureau's urban air pollution forecast service, will be on display outside the World Weather Center.

## Weather Bureau Programs Stress Accident-Free Boating

Safe Boating Week was launched June 28 and the Weather Bureau is offering a variety of services to boaters to ensure accident-free boating throughout the year. Weather forecasts for boating areas in the United States are issued by the Weather Bureau every six hours. A network of VHF-FM radio stations, owned and operated by the Weather Bureau is in continuous operation along the Atlantic, Pacific, and gulf coasts and a number of inland locations, providing the latest weather observations and forecasts 24-hours-a-day, year-round. Weather warning signals are displayed at locations throughout the country such as Coast Guard stations, yacht clubs, and marinas. These signals consist of flags by day and lights by night and include small craft warnings, gale warnings, storm warnings, and hurricane warnings.

## New Librarian for AOML Named



Mrs. Mary S. Grattic has been named ESSA's Librarian at the Atlantic Oceanographic and Meteorological Laboratories in Miami. As a member of the Libraries Branch of ESSA's Scientific Information and Documentation Division, Mrs.

Grattic will develop, coordinate, and provide library services for all ESSA activities in the Miami area. For the past several years, she has served as a reference librarian in ESSA's Atmospheric Sciences Library located at Weather Bureau headquarters. Mrs. Grattic will assume her new duties early in July.

## Income Tax Surcharge Eliminated

The Tax Reform Act of 1969 reduced the income tax surcharge from ten percent to five percent for wages paid on and after January 1, 1970. This Reform Act further reduced the surcharge from five percent to zero percent for wages paid on and after July 1, 1970. These changes will be included in pay checks dated July 12, 1970, for wage marine employees, July 15, 1970, for ESSA's commissioned personnel, and July 22, 1970, for employees paid biweekly.

Since state taxes are based on a percentage of Federal tax withholdings, there will be a slight change in state tax deductions.

## New Bathymetric Map Published

A map of the sea bottom off the Massachusetts coast showing underwater banks, ridges, basins, and troughs covering approximately 2650 square miles from Cape Cod to Cape Ann has been published by the Coast Survey.

## Tsunami Warning System Gap Closed

A major gap along the South American coast in the tide station coverage of the Coast Survey's Tsunami Warning System in the Pacific has now been closed with the participation of a station in the Galapagos Island. The gap was part of a 1350-mile section of the Latin American coast between Balboa, Panama, and La Punta (Lima), Peru.

## Mobile Van Balloon Launches Begin in Chicago and St. Louis

Radiosonde launches made from specially equipped Weather Bureau mobile vans in support of air pollution control efforts were inaugurated in Chicago and St. Louis on June 11 and 12. Soundings from the flights assist meteorologists to produce air pollution potential forecasts. The mobile units augment stationary air pollution units in the two cities which were put into operation last April.

## Key Personnel Posts Filled

Three employees have been assigned to key positions in ESSA's Personnel Division. James V. Taormina, personnel management specialist with ESSA from 1966 to 1969, has been appointed chief, Employee Relations Branch. Gordon D. Shadoan has succeeded Joseph B. Murdock as chief, Operations Division, with responsibility for providing operating personnel services for the headquarters offices. Mr. Murdock is the new assistant to the ESSA Personnel Officer. His duties will include responsibility for personnel automatic data processing operations and personnel program evaluation and directives activities.

## ESSA Personnel Man Exhibit at Pa. Air Show



Raynard Cardascia (behind counter) mans ESSA display at Reading, Pa., Air Show

An ESSA exhibit, designed with aviation safety as its central theme, was manned by both Weather Bureau and Coast Survey personnel during the air show held at Reading, Pa., June 8-12. The primary purpose of the exhibit was to encourage user participation and to improve the products and services offered to pilots by ESSA. In addition to a display of aeronautical charts, the exhibit was augmented by a new section with tape recordings of pilot reports. ESSA participants were: Gerald L. Shak and David L. Coulter, WB Eastern Region; Charles Archambault, WB Forecast Office, Boston; Raynard Cardascia, Capt. Alfred C. Holmes, and Cdr. James P. Randall, C&GS headquarters.

# **National Oceanic and Atmospheric Administration**

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