



WMO Commission Convenes in Washington, D.C.

Delegates from more than 30 nations are attending the Fifth Session of the World Meteorological Organization's Commission for Atmospheric Sciences (formerly the Commission for Aerology), which is meeting in Washington, D.C., Aug. 17-29. Speaking at the opening ceremonies, Dr. Robert M. White, ESSA Administrator and U.S. Permanent Representative to the WMO, said that the great progress during the century of weather services in the United States was made possible, in great measure, "by the intellectual and scientific stimulation of scientists of many nations." Dr. Myron Tribus, Assistant Secretary of Commerce for Science and Technology, gave the welcoming address, stressing the need for wise use of weather modification.

In the photograph at right, Dr. Myron Tribus welcomes the delegates. Others,



from left: G.W. Kronebach, WMO; B.R. Doos, Commission Vice President; Dr. C.C.A. Wallen, WMO; J.S. Sawyer, Commission President; R.M. White, U.S. Permanent Representative; and Ward Allen, Deputy Assistant Secretary of State.

Lawrence R. Mahar To Head Weather Bureau's Southern Region

Lawrence R. Mahar has been named director of the Weather Bureau's ten-state Southern Region. Mr. Mahar, who has been in charge of the Weather Bureau's Alaska Region for the past three years, will begin his new job in Fort Worth, Tex., on Sept. 1. As director, he will oversee the operations of Weather Bureau facilities in New Mexico, Texas, Oklahoma, Arkansas, Louisiana, Tennessee, Mississippi, Alabama, Georgia, and Florida.

Born in Castleton, Vt., Mr. Mahar has had 27 years of meteorological experience. After graduating from Middlebury (Vt.) College in 1941, he enlisted in the Air Force where he received his early weather training during World War II. He joined

the Weather Bureau as a meteorologist in New York City after his military discharge in 1946. A year later, he was transferred to Weather Bureau headquarters in Washington, D.C., and in 1952 he was put in charge of the Hartford, Conn., Weather Bureau. His outstanding work at Hartford won him a Department of Commerce Silver Medal for Meritorious Service in 1957. In 1963, Mr. Mahar left the Weather Bureau to become director of meteorology for Travelers Research Center in Hartford. In 1965, he rejoined the Weather Bureau as manager of the operations section at the Fort Worth regional office. He was appointed director of the Weather Bureau's Alaska Region in 1967.

Morris Jones Appointed Chief Of C&GS Distribution Division



Morris R. Jones has been placed in charge of the Coast and Geodetic Survey's annual distribution of more than 43 million aeronautical and nautical charts and various other publications. As chief of the Distribution Division, Office of Aeronautical Charting and Car-

tography, Mr. Jones will supervise a staff of over 100 employees.

Mr. Jones has been employed for 23 years by the U. S. Geological Survey, entering on duty with that agency as a topographic engineer and serving for the last 12 years as its Distribution Officer. During parts of 1949, 1950, 1951, and 1957, he did archeological mapping in Central America for the Carnegie Institution and for the University of Pennsylvania Museum. A native of Rome, N. Y., he attended Rome Free Academy, 1936-39, then Milton (Wisc.) College, 1940-43, and, after military service during 1943-46, South Dakota State University, Brookings, S. Dak., where he received a B. S. degree in 1947.

SURVEYOR Alumnus Directs Expo Exhibit

Steve Yoshida, a former crew member of the USC&GS Ship SURVEYOR, is directing the State of Alaska's exhibit at Expo '70 being held in Osaka, Japan.

Winter Storm Surveillance Planned

The National East Coast Winter Storms Conference met in Boston, Aug. 5-6, to develop plans for operational reconnaissance of storms off the east coast during the coming winter season. The meeting was attended by representatives of the Air Weather Service, Naval Weather Service, Federal Aviation Administration, and U.S. Coast Guard, as well as those from the Weather Bureau, National Environmental Satellite Center, and the Research Flight Facility. Reconnaissance will be provided by Air Force, Navy, and RFF aircraft, with tracks, altitudes, and times determined by the Eastern Region and the National Meteorological Center. In addition, Coast Guard cutters will occupy Ocean Station "Hotel" and surface data will be available from the Coast Guard buoy system.

Robert Carnahan To Serve As Special Assistant for Industrial Meteorology

Robert L. Carnahan, ESSA Deputy Assistant Administrator, has been designated as Special Assistant for Industrial Meteorology. In this capacity, Mr. Carnahan succeeds Robert G. Beebe, who is now Weather Bureau Central Region User Services Representative.

Mr. Carnahan will serve in a dual role, continuing in his position as Deputy Assistant Administrator for Administration and Technical Services. He is a former member of the Board of Directors of the Council of Industrial Meteorologists, and immediate past chairman of the Industrial Meteorology Committee of the American Meteorological Society.

The Special Assistant for Industrial Meteorology provides a liaison between the Weather Bureau and the nation's private meteorologists. The position is intended to help industry and commerce make full use of weather information available from private as well as public weather services.

Argentine Scientist Aids Joint Hail Study

Prof. Angel Papetti of the University of Buenos Aires concludes a summer's observation of hail research in Colorado this week. Professor Papetti has been working as a visiting scientist in the Joint Hail Research Project of ESSA, the National Center for Atmospheric Research, and Colorado State University. Stationed with the Atmospheric Physics and Chemistry Laboratory, he concentrated on computing different indexes for atmospheric instability and making a forecast of hail probabilities for each day during the project. Professor Papetti plans to start a hail research project in Argentina.

Weigel Named to Bureau Information Post

Edwin P. Weigel, formerly a science reporter with U.S. News and World Report, is the new Public Information Officer for the Weather Bureau. As a staff member of the national magazine from 1957 to 1969, he covered news of meteorology, oceanography, and space. After serving as a Navy pilot during World War II, Mr. Weigel earned a bachelor's degree in science from the University of Michigan and a master's degree in journalism from Northwestern University, where he won the Harrington Memorial Award for Journalistic Excellence.

DISCOVERER Will Explore Structure of Caribbean

ESSA oceanographers will explore the bottom of the Caribbean Sea next month to determine whether the Caribbean is tied into the South American landmass or is a separate crustal plate. Sophisticated electronic sonar equipment aboard the USC&GSS DISCOVERER will probe the bottom and subbottom of the Caribbean around Barbados to trace the extension of structural features found during previous studies. The work is part of the United States' contribution to the Co-operative Investigation of the Caribbean and Adjacent Regions (CICAR), an international program of the Intergovernmental Oceanographic Commission of UNESCO. The Caribbean investigation is directed towards providing the basic understanding of the overall geological patterns of the Caribbean that is essential to the meaningful development of the area's potential. The DISCOVERER's exploration is headed by marine geologist L. Austin Weeks of the Atlantic Oceanographic and Meteorological Laboratories in Miami. The one-week study is scheduled to get underway September 7, as the ship returns from Dakar and the Cape Verde Islands.

Weather Bureau Begins New Service, Warns of Weather Threat to Livestock

The Weather Bureau has started issuing special forecasts to alert stockmen to dangerous combinations of heat and humidity that are potential killers of livestock. This summer, the Bureau's Central Region, which includes much of the mid-west, has already issued alerts on several occasions when high temperature-humidity values threatened to produce dangerous weather stress on livestock. A 12-year study conducted by Livestock Conservation Inc., indicated that high temperature, in association with high relative humidity, resulted in an abnormally high death rate among animals being transferred to market. The study was primarily for hogs, but the relationship for cattle and other animals was found to be similar. A "Livestock Weather Safety Index," much like the "Temperature-Humidity Index" for humans, has been devised by the Weather Bureau. Warning messages are issued when the "livestock weather safety index" is expected to reach danger or emergency levels.

Mark Schroeder Co-Authors Agriculture Dept. Publication



"Fire Weather...A Guide for Application of Meteorological Information to Forest Fire Control Operations" is the name of a new Department of Agriculture handbook prepared by Mark J. Schroeder of the Weather Bureau and Charles C. Buck of the U.S. Forest Service. The handbook is designed to provide Forest Service fire control personnel with the basics of meteorology required to understand the important relationships between weather and fire behavior. Dr. George P. Cressman, Weather Bureau Director (left), received one of the first copies of the book from Mr. Buck (center) and Mr. Schroeder at ceremonies held at Weather Bureau headquarters, Aug. 5.

C&GS Long Island Sound Survey Nears Finish

A five-year hydrographic survey of Long Island Sound will be completed in 1970 by C&GS Launch 1257, under the command of Lt. Cdr. Ralph J. Land. The survey, the most detailed made of the entire Sound since the 1800's, will end with the completion of an 80-square-mile area two miles off Long Island, between Horton Point and Little Gull Island to the east. The task will require about two months.

Ship Aids Children's Home



PATHFINDER men give a cookout.

The USC&GSS **PATHFINDER**, commanded by Capt. E. A. Taylor, was in Homer, Alaska, over the July 4th weekend for its annual visit to the Alaska Christian Home, a privately run home for orphans and children whose parents are unable to care for them. The visit to the orphanage consisted of a "workday - cookout," in which volunteers from the **PATHFINDER** spent the entire day doing repair work around the home and putting on a barbeque for the children. In a donation drive on the **PATHFINDER**, more than \$350.00 was collected for the orphan home. Part of this money was used to purchase fresh fruit and ice cream, some will be saved for Christmas presents, and a large portion was donated directly to the Alaska Christian Home for a new movie projector. The **PATHFINDER** is currently completing a traverse throughout Tuxedni and Chinitna Bays in Western Cook Inlet.

Namias Named to IOC Group

Jerome Namias, Chief of the National Meteorological Center's Extended Forecast Division, has been selected by the Intergovernmental Oceanographic Commission (IOC) as a member of the Commission's Group of Experts on Long-Term Scientific Policy and Planning. The Group consists of 24 scientists in different disciplines, the U. S. A. having three members. An important element in the work of the Group involves the International Decade of Ocean Exploration.

O.D. White Wins Bronze Medal



Mr. Kresge (left) and Mr. White.

O.D. White, Hydrologist in Charge of the Harrisburg, Pa., Weather Bureau River Forecast Center, has won the Commerce Bronze Medal for "his devotion and service to the people of Pennsylvania and the Weather Bureau since 1955." The medal was presented by Ralph Kresge, assistant to the Weather Bureau Associate Director for Hydrology. Through Mr. White's efforts, the citation said, "the losses due to floods in his area of responsibility have been minimized. In addition, the services provided by his staff in predicting low river flows and long-range quantitative forecasts have furnished data for efficient and effective management of the water resources of the Susquehanna and Delaware Rivers."

RUDE, HECK Survey Delaware Bay

Two ships--the USC&GSS **RUDE** and **HECK**--are conducting a wire drag investigation of wrecked ships in Delaware Bay and its approaches. The wrecks are in the waterway leading to the Delaware River Channel and in the sea lanes to the Bay. The ships will tow a submerged wire between them to locate the wrecks. The search is part of a long-range, three-month project to sweep the entire area to insure that adequate depths are charted for deep draft vessels anchoring in the bay or heading up the channel to Philadelphia and Chester, Pa.; Camden, N. J.; and Wilmington, Del. The fishing vessel **F. W. SCHEPPER II** is said to lie in the sea lane to the bay in waters 40 feet or more deep.

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National Oceanic and Atmospheric Administration

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