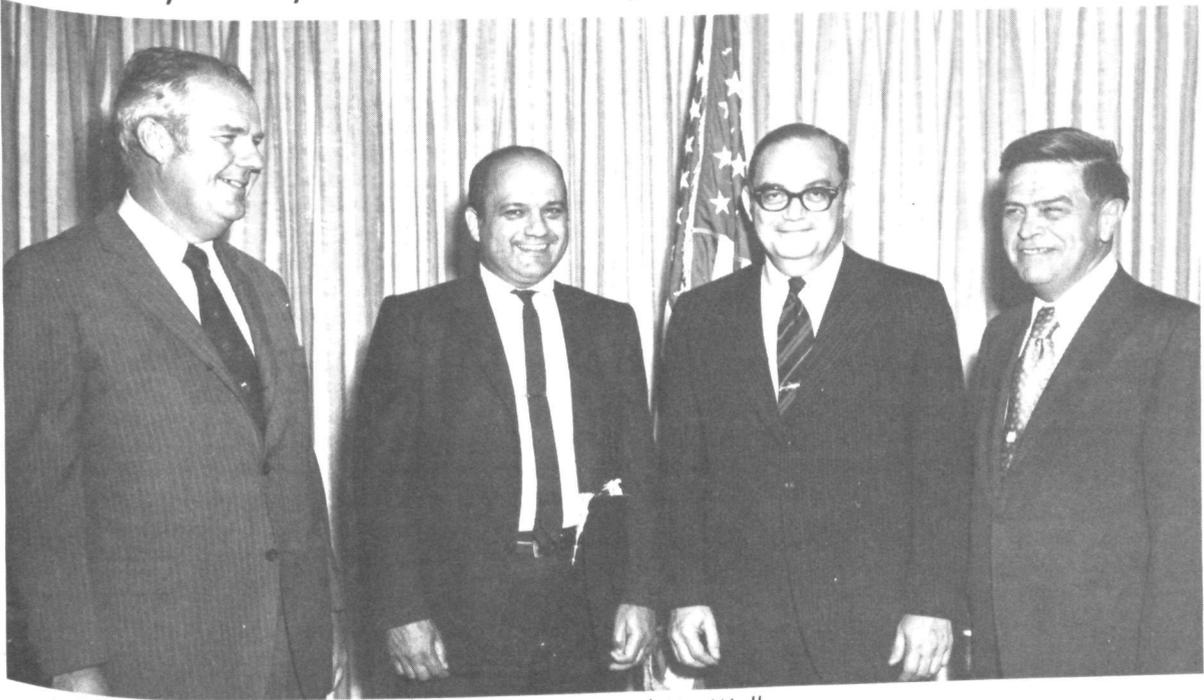


NOAA WEEK

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

Wallace, Aron, and Clotworthy Sworn Into Office



Left to right: Mr. Clotworthy, Dr. Aron, Dr. White, and Mr. Wallace

David H. Wallace, Dr. William Aron, and John H. Clotworthy, recently appointed to new NOAA posts, were sworn into office in special ceremonies, June 8.

Mr. Wallace, now Associate Administrator for Ocean Resource Management, was formerly Director of the Division of Marine and Coastal Resources in New York State's Department of Environmental Conservation.

Dr. Aron, who had been Director of the Smithsonian Institution's Oceanography and Limnology Department, is now Director of NOAA's Office of Ecology and Environmental Conservation.

Mr. Clotworthy is Director of the Office of Congressional and Legislative Affairs, and will coordinate Congressional activities, serve as the focus for development of legislative programs, and advise on

legislative matters affecting NOAA programs and activities.

Before this appointment, Mr. Clotworthy was president and chairman of Oceans General, Inc., a Miami engineering and manufacturing firm. He has been active in a broad range of marine and oceanographic affairs, serving on the Man in the Sea Panel of the National Academy of Engineering Committee on Oceanography, on the U.S. Chamber of Commerce Committee on Natural Resources, and as a founding member of the Marine Technology Society.

A 1946 graduate of the University of Virginia with a degree in electrical engineering, Mr. Clotworthy later studied at the Harvard Graduate School of Business Administration and the University of Maryland Law School.

Weather Service Prepared for 1971 Hurricane Season

From June through November, the National Weather Service has ready a far-ranging apparatus to scout, track, and forecast tropical storms and hurricanes in the Atlantic, the Caribbean, and the Gulf of Mexico.

This year the vigil--involving satellites, reconnaissance planes, and a radar "fence" along the coasts--is more intense than ever. One reason, says Dr. Robert H. Simpson, Director of the National Hurricane Center in Miami, Fla., is that the importance of the task keeps growing. He explains: "With more and more people building more and more homes closer and closer to shore, population density is about to outrun the forecaster's ability to give adequate warnings, particularly in coastal areas where there are limited escape routes."

The devastating storm surge is the real killer during a hurricane, rather than wind. Dr. Simpson estimates that "about nine out of ten hurricane victims die by drowning." Among this year's new defenses against the storm surge is a computer program that will aid the forecaster in quickly and accurately calculating the height of the tide a hurricane will generate as it churns into a coastal strip. The numerical model for it was developed by Dr. Chester Jelesnianski of the Weather Service's Techniques Development Laboratory, and tested with favorable results on Hurricane Camille in 1969.

Also aimed at better protection against the storm surge is a planned series of maps for coastal areas showing best evacuation routes, areas subject to flooding, and elevations that might afford "safety islands" for evacuees. The first of these maps--for the shore area from Mobile, Ala., to New Orleans, La.--is slated for completion this summer. The series is being developed by the National Ocean Survey and is to be distributed to state and local officials by the National Weather Service. The maps are intended to be key elements in community-preparedness programs.

Hurricane spotting and observing tools will be basically the same as last year, with growing reliance on satellites, particularly NASA's ATS-3, poised 22,300 miles high over the Equator and able to portray the entire Atlantic in a single photograph. Chief benefits, reports Dr. Simpson, are that "it detects storms

early and gives us the broad view of what a hurricane or storm is doing, including the surrounding environment which will determine whether the storm will grow or shrink, or whether it will remain a benign seedling."

Reconnaissance aircraft of the Air Force and Navy, and the research planes of NOAA are still the "indispensable" instruments to the hurricane forecaster, Dr. Simpson says. The airplane "is the only way we can get inside a hurricane and actually measure the forces that drive it--pressure gradients, wind gradients, and temperature gradients--giving the forecaster numbers to base his forecast on. It is our only dependable means of telling whether we're dealing with a super storm or just a moderate one." About a dozen planes will be available.

"Coastal radars are the third element," he explains. "They provide a picket line of defense. Radar gives the forecaster a precise track of the hurricane as it approaches the coast and an aiming point for landfall. It tells him during the critical last hours whether the storm is expanding or contracting."

"These three observing instruments complement each other," he concludes. "We need them all."

The basic goal of the National Hurricane Center is to provide coastal residents with at least 10 to 12 daylight hours of warning time to get ready for a hurricane and to leave coastal areas, if necessary. To accomplish this, the warning is issued 24 hours in advance of predicted landfall, to allow for the possibility of a hurricane moving inland at night and for the destructive tides that may precede it by several hours.

Paul Lehr Scientific Article To Appear In Teachers Association Publication

"Project Skywatch"--an article authored by Paul E. Lehr of the Scientific Information and Documentation Division's Scientific Review Group--has been selected for inclusion in the latest National Science Teachers Association publication, Helping Children Learn Earth-Space Science. This is a compilation of the best articles that have appeared in Science and Children since 1963 in the areas of astronomy, geology, oceanography, meteorology, and conservation and environment.

Dr. Robert M. White Wins 1971 Rosenberger Medal

Dr. Robert M. White, NOAA Administrator, has been awarded the 1971 Jesse L. Rosenberger Medal, given by the University of Chicago for distinguished achievements. The medal was presented to Dr. White today at the University's convocation ceremonies.

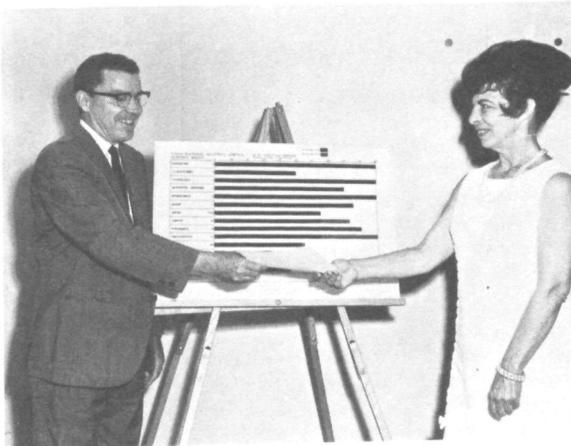
The medal was established by Mr. and Mrs. Jesse L. Rosenberger in 1917, to recognize distinguished achievement through research, authorship, invention, discovery, unusual public service, or other work of great benefit to humanity.

The citation read: "Robert M. White has made notable contributions as a scholar and public servant. He was the first to assess the vertical transport of westerly momentum in the atmosphere and also the first to properly take into account the effect of the earth's topography on the dynamics of the atmosphere. He has been recently concerned with the relationship between Federal programs in atmospheric sciences and oceanography and the mounting needs of society, and is known throughout the world as a productive scientist especially in the area of atmospheric energetics. He has effectively used his talents as an environmental scientist in public service."

MMTC Workboat DOODLEBUG Launched

The 32-foot geophysical workboat DOODLEBUG was recently christened and launched at the Marine Minerals Technology Center in Tiburon, Calif. The vessel will be used to investigate geophysical techniques for determining engineering properties of sea-floor deposits. The work will be done in Monterey Bay this summer under an MMTC contract with the Army's Advanced Research Projects Agency. Formerly the workboat of MMTC's Research Vessel VIRGINIA CITY, the DOODLEBUG has a beam of ten feet and a variety of capabilities beyond seismic reflection profiling. She has undergone conversion this year to perform geophysical and diver-operated equipment research. The craft is equipped with a precision navigation and location system, wheel-house and aft station control and facilities for inshore surveys and bottom photography. The vessel also has partial capability as an oceanographic and geological laboratory and in-depth measurements, coring, and bottom drilling.

NWS Field Unit To Receive Treasury Department Award



Sparked by the leadership of Keywoman Beda E. Isbell, the NWS Central Region's Engineering Division is the first NOAA field unit to be reported eligible for the Treasury Department's "Concord Minute Man" award this year. By achieving 100 percent participation, this group of 26 employees exceeded the award requirement (90%) and reached the 60 percent mark in allotment increases as well. Mrs. Isbell received a certificate of commendation from Acting Regional Director Charles M. Woffinden for her outstanding effort in the campaign.

Bond drive officials, pleased by the Engineering Division's success, expressed confidence that many other NOAA units will be eligible for this and other Treasury citations to be awarded in July.

Dr. Harris B. Stewart To Address Marine Technology Society Meeting

Dr. Harris B. Stewart, Jr., Director of the Atlantic Oceanographic and Meteorological Laboratories, will be the guest speaker at the June 16 meeting of the Marine Technology Society's Washington, D.C., Section. Dr. Stewart will discuss the Cooperative Investigation of the Caribbean and Adjacent Regions, of which he is U.S. National Coordinator. The meeting will be held in the Cosmos Club auditorium at 7:30 p.m.

NOS Surveys Alabama and Michigan Airports

National Ocean Survey teams headed by Lt. (j.g.) John R. Hudson and Elmer Pursel are conducting field surveys of the Birmingham (Ala.) Municipal Airport and Detroit (Mich.) City Airport.

Bronze Medals Presented to Joern, Denmark, and Blumenauer



Left to right: Mr. Joern and Mr. Beebe

William A. Joern, retiring meteorologist in charge of the Moline, Ill., Weather Service Office for the past 24 years, has been presented the Department of Commerce Bronze Medal for his record in weather and river forecasting, warnings and general public service, and for strong leadership during a long period of time. Prior to Mr. Joern's assignment to Moline, he served for five years at Seattle, Washington. Robert G. Beebe, User Services Representative for the NWS Central Region headquarters at Kansas City, Mo., presented the award to Mr. Joern.



Dr. Cressman (left) and Mr. Blumenauer



Left to right: Mr. Denmark, Mrs. Denmark, and Mr. Joos

William L. Denmark, retiring NOAA State Climatologist for Illinois, has received the Department of Commerce Bronze Medal in recognition of his fine and dedicated performance during nearly 35 years of Federal service. Mr. Denmark began his Weather Bureau career at St. Louis, Mo., in 1937, after a year of experience as a chemist with the U.S. Corps of Engineers. Before moving to Champaign in 1961, he served at National Weather Service Offices in St. Louis for 17 years. Presenting the award to Mr. Denmark was Lothar A. Joos, Regional Climatologist at the NWS Central Region headquarters, Kansas City, Mo.

Robert E. L. Blumenauer, engineering technician in the National Weather Service's Test and Standards Branch, has been awarded the Department of Commerce Bronze Medal in recognition of extremely competent performance of duties over a long period of time in the field of atmospheric pressure measurements. Mr. Blumenauer joined the Weather Bureau in 1929 at Trenton, N. J. In 1936, he transferred to the Instrument Division at Weather Bureau headquarters in Washington, D.C. Mr. Blumenauer retired last month after more than 42 years of service with the National Weather Service.

Class of '71

Retirements Exceed a Hundred

Nationwide, more than a hundred NOAA employees retired in the weeks before May 31. Many are listed in the following pages. Others will be covered in subsequent issues.

Howard S. Kenny has retired as meteorologist in charge of the Columbus, Ohio, Weather Service Office, after more than 42 years with the weather service. Mr. Kenny's first position was that of minor observer in Escanaba, Mich. He later transferred to Chicago, Ill., and Columbus, Ohio, where he became MIC in 1955. Mr. Kenny was the recipient of the Department of Commerce Silver Medal for Meritorious Service in 1964 in recognition of sustained efficiency and devotion to duty.

Verne Alexander, who has served as Regional Hydrologist in the NWS Central Region for the past six years, has retired after almost 41 years of Federal service. All but about three years of his service was spent with the National Weather Service in Kansas City, Mo. Mr. Alexander received the Department of Commerce Silver Medal in 1966 and the Gold Medal in 1969.

Loren J. N. Allison, meteorologist in charge at the Pueblo, Colo., Weather Service Office, has retired with more than 36 years of Federal service. Mr. Allison entered the Weather Bureau at Valentine, Nebr., in 1937 as a junior observer.



Theodore P. Gleiter, NOAA Assistant Administrator, congratulates Burton Loveless on his retirement.

James M. Klaasse, NOS, Retires as Associate Director



James M. Klaasse (left), Associate Director of the National Ocean Survey, Office of Seismology and Geomagnetism, has retired after 16 years of Federal service. Mr. Klaasse has been active in geomagnetism, seismology, geophysics, and in the development

and manufacturing of a wide variety of advanced laboratory research instrumentation. He was appointed Deputy Assistant Director for Research and Development in the Coast and Geodetic Survey in 1964.

Ernest C. Johnson has retired after completing 40 years of Federal service--all of which has been with the National Weather Service. Mr. Johnson, meteorologist in charge at Albany, N.Y., began his career as a junior observer at Richmond, Va. He later served at Greensboro, N.C., Arlington, Va.; and at the Washington National Airport. For commendable and dedicated public service over a long period of time, competent performance and meritorious service, Mr. Johnson received the Department of Commerce Bronze and Silver Medals.

Burton F. Loveless, Special Assistant for Procurement Liaison in the NOAA Office of Administration and Technical Services, has retired after more than 44 years of Federal service. Mr. Loveless joined the Weather Bureau in 1927 as a minor observer at Boston, Mass., and progressed through a series of meteorological and administrative assignments until he became Head of the Weather Bureau's Procurement and Management Branch in January of 1965. With the formation of the Environmental Science Services Administration in 1965, Mr. Loveless became Chief, Procurement and Supply Management Branch. He was assigned as Special Assistant for Procurement Liaison in July of 1970. Mr. Loveless has received the Department of Commerce Silver Medal for meritorious service.



James S. Moore

James S. Moore, Chief of the Lake Survey Center's Water Levels Section, has retired after almost 40 years' service with the Center. Mr. Moore began his career as a survey aid on a revisory survey on the northern end of Lake Michigan. His father, the late Sherman Moore, was a staff engineer for the Lake Survey from 1902-1952. The combined father-son service for the organization totals almost a century.

Lars C. Christensen, official in charge for the past 16 years at Springfield, Ill., is retiring after more than 31 years with the National Weather Service. Mr. Christensen joined the Weather Bureau in 1940 at Shreveport, La.

Emil M. Ellingson, meteorological technician at the Marquette, Mich., Weather Service Office, is retiring with 28 years of service with the agency. Mr. Ellingson joined the Weather Bureau in 1941. During his career, he served at Duluth, Minn., St. Cloud, Minn., and Rochester, Minn.

Lionel A. Walford, Supervisory Fishery Biologist at the NMFS Sandy Hook Sport Fishery Marine Laboratory, Highlands, New Jersey, is retiring after 35 years of federal service. Mr. Walford received the Interior Department's Citation for Distinguished Service in 1970.

Stewart Springer, fishery biologist in the NMFS National Center for Systematics, is retiring after 21 years of federal service.

Raymond A. Wilson, weather service specialist at the Fargo, North Dakota, Weather Service Office, is retiring with almost 35 years of Federal service. Mr. Wilson also served at Bismarck, North Dakota; Sault Ste. Marie, Mich., and Boston, Mass.

James Gallagher, oceanographer in the National Oceanographic Data Center's Development Division, Data Applications Branch, has retired after 28 years of Federal service. All of Mr. Gallagher's service has been in the Washington area.

Andrew J. Gale, observation specialist at the Denver, Colo., Weather Service Forecast Office, is leaving the weather service after 29 years. All of his service has been at Denver.

Richard A. Garrett, meteorologist in charge at the Topeka, Kansas, Weather Service Office, leaves the Federal service after more than 40 years, the last 22 as MIC. He has also served at New York City; Cleveland, Ohio; Oakland, Calif.; Portland, Oreg., and Santa Fe, New Mexico. Mr. Garrett received the Department of Commerce Silver Medal in 1967.

A. K. Larssen, fishery methods and equipment specialist with the National Marine Fisheries Service's Exploratory Fishing and Gear Research Base in Kodiak, Alaska, has retired with six years of Federal service.

Clifford E. Fulton, contract specialist in NOAA's Administrative Operations Division, Office Services Branch, has retired after 36 years' Federal service, all in Washington, D.C. Mr. Fulton was formerly a National Marine Fisheries Service employee.

William Leimbach, mechanical engineering technician in NOS's Systems Development Office, Engineering Development Laboratory, Rockville, Md., has retired after 37 years of service with the Federal government. Mr. Leimbach received a Meritorious Service Award for outstanding service in 1962.

Hila V. Parrill, archives technician in NOS's Scientific Data Services Division, Rockville, Md., has retired after 38 years of service. All of Miss Parrill's service has been in the Washington, D.C., area.

Norwood E. Sheron, electronic development technician in NOS's Engineering Development Laboratory, has retired after 28 years of service. Mr. Sheron's other assignment was at St. Petersburg, Fla.

Charles E. Petzhold, meteorologist at the Indianapolis, Ind., Weather Service Forecast Office, is retiring from the National Weather Service after 30 years. Mr. Petzhold's career began at Cincinnati in 1941.

Murl V. Renneke, aviation forecaster at the Minneapolis, Minn., Weather Service Forecast Office, has retired with almost 35 years of weather service. Mr. Renneke joined the Weather Bureau at El Paso in 1936 and also served at Fargo and Bismarck, North Dakota.

Manlius Samuel, facilities technician at NWS's Central Region headquarters, Kansas City, Mo., is retiring with 20 years of service with the National Weather Service, all of which has been performed in Kansas City.

Edward T. Stapowich, meteorologist in charge at the Omaha, Nebr., Weather Service Office, is retiring after almost 42 years of service in the National Weather Service. He has been MIC at Omaha for the past 23 years. Mr. Stapowich joined the Weather Bureau in 1929 at Buffalo, N. Y., later serving at New York City until his transfer to Omaha. He was awarded the Department of Commerce Bronze Medal for his service last year.

Glenn F. Millar, meteorological technician at the Weather Service Forecast Office, Suitland, Md., is retiring with 27 years of service. Mr. Millar has served NWS in Sault Ste. Marie, Michigan; Swan Island, West Indies; Huntington, West Va.; Toledo and Dayton, Ohio; Keflavik, Iceland; Greensboro, N.C.; and Washington, D.C.

Lyman A. Pole, meteorological technician at the Cape Hatteras, N. C., Weather Service Office, is retiring with 31 years of Federal service. His other duty assignments with NWS were at Jacksonville, Fla.; Columbia, S.C.; Norfolk, Va.; with the Atlantic Weather Project; Asheville, N.C.; and the Tatoosh Island, Washington, Weather Service Office.

Mrs. Kathryn C. Harrison, secretary in the Hydrology Division at NWS Western Region headquarters, is retiring after 29 years of service. Mrs. Harrison has been employed with several other Federal agencies during her career.

Robe B. Carson, meteorologist at the National Hurricane Center, Miami, has retired after 30 years of service. Mr. Carson joined the Weather Bureau at Tallahassee in 1941 and in 1943 transferred to Miami where he spent the remainder of his career in aviation forecasting.



Left to right: Thad C. Roberts, Mrs. Dora P. Coggins, and William H. Haggard, NCC Director.

Dora P. Coggins has retired from EDS's National Climatic Center, Asheville, N.C., after almost 27 years of Federal service. Mrs. Coggins has been employed as a meteorological technician at the NCC for 16 years. Prior to her assignment in Asheville, she served with the weather service in Suitland, Md., and Washington, D.C. She has also worked in the Bureau of Labor Statistics, the General Accounting Office, and Post Office in Washington, D.C.

Thad C. Roberts, Jr., has retired from his position as an electric accounting machine operator at EDS's National Climatic Center in Asheville, N.C. Mr. Roberts has been with the NCC for almost 18 years and has been in the Federal service for 28 years. Prior to his appointment to the Asheville Center, he was employed in the General Accounting Office and Post Office Department.

Orlando Perez, meteorological technician at the Weather Service Forecast Office at San Juan, Puerto Rico, has retired after 30 years of service. His entire service was at San Juan where he rose from clerk to administrative officer. Mr. Perez's linguistic abilities have been an important asset to the station. He developed an English-Spanish glossary of meteorological terms which has been in use at San Juan for 25 years.

R. Clark Neilson, meteorologist at the Weather Service Forecast Office, Great Falls, Mont., is retiring after 30 years of service. Mr. Neilson entered weather service in Salt Lake City as an observer in 1941. In 1951, he transferred to Great Falls as a meteorologist. In 1958, he transferred to Helena, returning to Great Falls in 1966.

Richard E. Simmermacher, meteorologist in charge at the Weather Service Office in Wilkes-Barre/Scranton, Penn., has retired after completing more than 32 years of Federal service. He entered the weather service in Akron, Ohio. During his long career, he served in Eastport, Me.; Mt. Pocono, Penn.; Allentown, Penn.; and as official in charge and meteorologist in charge at Wilkes-Barre/Scranton.

John A. Cummings, meteorologist in charge of the Charleston, S.C., Weather Service Office, has retired after serving NWS for more than 46 years. During his career, Mr. Cummings held assignments in Atlanta and Macon, Ga.; St. Louis, Mo.; Memphis, Tenn.; Broken Arrow, Okla. Dallas, Big Springs and Abilene, Tex.; Salt Lake City, Utah; and Juneau and Anchorage, Alaska. Mr. Cummings transferred to Charleston, S.C. in 1951. In 1960, he was awarded the Department of Commerce Silver Medal in recognition of his contributions to the public services in the field of hurricane warnings.

Guy C. Anderson, meteorologist in charge of the Wilmington, Dela., Weather Service Office, has retired after service to the Federal Government for more than 33 years--all with the National Weather Service. Mr. Anderson was first appointed as a junior observer in Detroit. He later served at Toledo, Ohio, and Syracuse, N. Y. He became MIC in 1950.

Clarence Jordan, meteorological technician in NWS's Data Acquisition Division, Surface Systems Branch, Silver Spring, Md., is retiring after 36 years of Federal service. Mr. Jordan was awarded a Bronze Medal from the Commerce Department in 1970. All of his duty has been spent in the Washington, D.C. area.

Parke P. Starke, Jr., solar radiation specialist in NWS's Data Acquisition Division, Surface Systems Branch, Silver Spring, Md., is retiring after 34 years in the Government service. Mr. Starke's first position in the Government was with the Civilian Conservation Corps. He later worked for the Social Security Board before joining the Weather Bureau in 1937. NWS assignments include Richmond, Va.; Miami, Fla.; Atlanta, Ga.; and NWS headquarters. In 1968, Mr. Starke received the Commerce Bronze Medal for personal and untiring efforts in the solar radiation measurement program.

Mildred Matthews, Chief, Verification Section, National Meteorological Center, Suitland, Md., is retiring after 35 years of government service. Mrs. Matthews joined the Weather Bureau in 1943.

Howard M. Williams, electronics technician in ERL's Aeronomy Laboratory, Boulder, Colo., has retired with almost 17 years of Federal service. Before his ERL assignment, Mr. Williams was employed at Rollinsville, Colo.

Cecil C. Robinson, administrative officer in ERL's Office of Research Support Services, is retiring with 30 years' Federal service. Mr. Robinson's other assignments were with the Weather Bureau in Washington, D.C., and Suitland, Md.

Henry A. Schmidt, Jr., mechanical engineer in ERL's Wave Propagation Laboratory, is retiring with 32 years' government service.

Aubrey F. Tyson, meteorologist in charge at the Weather Service Office, Elkins, West Va., has retired after 30 years of Federal service--27 with NWS and three years with the Treasury Department. Mr. Tyson served with the weather service at Sault Ste. Marie, Mich.; Portland, Me.; New York; Toledo, Ohio; Binghamton, N.Y.; Charleston, S.C.; Charlotte, N.C.; and from 1962 as MIC at Elkins.

Chester E. Wilcox, meteorological technician at the Binghamton, N.Y., Weather Service Office, has retired after serving more than 39 years with NWS. Mr. Wilcox began his career as a junior observer. He also served in Albany and at the LaGuardia Airport. He has been assigned to Binghamton since 1946.

Philip H. Lord, Jr., meteorologist at the Portland, Me., Weather Service Office, has retired after serving the Weather Service for 31 years. Mr. Lord began his career as a junior observer in Portland, Me. With the exception of a short tour of duty at LaGuardia Airport, all of his service has been in Portland.

John R. Moeller, aviation forecaster at the National Severe Storms Forecast Center, Kansas City, Mo., is retiring with 32 years of service. He began his career in 1938 at Evansville, Ind., as a junior observer. His other weather assignments were in New York City and St. Paul.

Items to be considered for publication in NOAA WEEK should be submitted to: Office of Public Affairs, NOAA, Room 221, Bldg. 5, Rockville, Md. 20852. Phone (301) 496-8243.

National Oceanic and Atmospheric Administration

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