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## Barbee Acting Director Of Pacific Ocean Labs



Capt. W. D. Barbee

Captain William D. Barbee has been named acting director of ERL's Pacific Oceanographic Laboratories. The Laboratories, located in Seattle, conduct research on the structure and dynamics of the global ocean and its interactions with land and atmosphere. Capt. Barbee is a member of ESSA's

Commissioned Corps. His principal field of research is oceanography. For approximately 19 years, he served with the Corps on geodetic field parties in the United States and on six ships, one of which--the USC&GS Ship SOSBEE--he commanded. In September 1968, he served as chief scientist for the Joint Oceanographic Research Group of the Pacific Oceanographic Laboratories in an experiment to investigate causes and behavior of internal waves.

A former chief of the Marine Data Division of the C&GS Office of Oceanography, Capt. Barbee received a bachelor's degree from the University of Wyoming in 1950 and a master's degree from the University of Washington in 1963.

## Weather Bureau Praised For Hurricane Warnings

Secretary of Commerce Maurice H. Stans commended the following Weather Bureau employees on Sept. 2 for outstanding performance in Hurricane Camille:

Dr. Robert H. Simpson, director of the National Hurricane Center in Miami, and his staff; Stephen Lichtblau, meteorologist in charge of the New Orleans Weather Bureau Office, and his staff; William L. Tilson, meteorologist in charge of the Mobile, Alabama Weather Bureau Office, and his staff; Terrence E. Kable and Joseph Pope of the Pensacola, Fla., Weather Bureau Office; Dr. Gordon Dunn of Coral Gables, Fla., retired director of the National Hurricane Center, who volunteered for forecasting duty; and Gerald P. O'Donnell, Douglas and Marion Grantham, Thomas Craig, and Virgil Coludrovich of the Boothville, Louisiana Meteorological Observatory.

Dr. Simpson, Lichtblau, Tilson, Kable, Pope and Dr. Dunn were lauded for superior prediction and warning during the storm; and the Boothville, La., group for outstanding courage and performance in the face of great danger.

"This highly professional and dedicated service, vital to the safety and welfare of the people we serve, makes me proud to head the Department of Commerce," Secretary Stans said. "Countless lives were saved during Hurricane Camille through the efforts of Weather Bureau personnel."

## Rare Hurricane Observation Made at Swan Island Station

The Weather Bureau observers on Swan Island in the northwest Caribbean successfully launched a radiosonde in the eye of Hurricane Francelia as she approached the island with wind gusts that reached 69 miles per hour. The relative calm lasted for one hour - long enough for the observers to make this unique observation. Only four ascents have been made in hurricanes in the past -- one in Hurricane Inez in 1966 at Boca Chico, Fla.; two at the Tampa, Fla., Weather Bureau Office in 1944 and 1946; and one in Hurricane Arlene in 1963 as the center passed over Bermuda. The instrument used in the observation was a balloon with instruments to measure winds, temperatures, pressure, and humidities to great heights in the atmosphere. The balloon on Swan Island reached a height of more than 50,000 feet. Swan Island observers, who have been commended for their feat by the Director and staff of the National Hurricane Center, are: Kenneth T. Gish, Evan W. Armstrong, Frank W. Chupka, and Thomas J. Smith, Jr.

## C&GS Submits Phase 1 Report On Old Man of the Mountains

Coast Survey seismologists recently submitted a Phase 1 Report on "The Seismic Response of the Great Stone Face at Franconia Notch, New Hampshire." The report is part of preliminary engineering for the construction of Interstate Route 93 through Franconia Notch State Park, due to public concern over the effects that blasting for a new highway might have on New Hampshire's famous landmark, the Old Man of the Mountains.

Phase 1 was started in June of 1968 by a four-man Coast Survey team, headed by seismologist Wendell V. Mickey. As a result of the 26 tests performed under Phase 1, New Hampshire officials are confident that highway construction blasts can be designed to produce vibration levels at the Profile far below those generated by natural forces. The second phase of the three-part study will consist of monitoring seismic signals from a series of dynamite blasts in the area. The third phase will consist of a program to record vibrations continuously for at least a year at stations on the rock profile and at a base station near the Old Man.

## Thirty Cooperative Observers Receive Weather Bureau Awards

Thirty volunteer weather observers have been selected to receive 1969 Thomas Jefferson and John Campanius Holm Awards. The awards are given annually to honor voluntary observers for outstanding achievement. Receiving the 1969 Thomas Jefferson Award are: Robert E. Burton, Joseph B. Dodge, Ralph H. Guy, Mrs. Emma B. Leach, and William E. Spearman. This year's John Campanius Holm Award winners are: Harry Bisland, George L. Blackett, Robert P. Coldiron, E. M. Collins, Junius L. Crowther, Mrs. Veda C. Daugherty, Philip Del Vecchio, Ferris H. Fisher, Clyde H. Forinash, Axel L. Fredericksen, Edward T. Gilroy, Willard L. Groene, Jacob L. Jackson, John Johnson, Eugene Kautz, Jacob C. Keller, H. G. Keown, Eugene Lowe, Arthur E. Myers, Eddy C. H. Oliver, Edwin Ramey, Marvin O. Rankin, A. C. Schroeder, Miss Eleanor J. White, and Stanley V. Zak.

## Balloon Boomerangs at Salt Lake City

The Salt Lake City Weather Bureau Forecast Office has been releasing radiosonde balloons for the past 13 years to measure the temperature, pressure, and humidity in the atmosphere. On August 20, Jack B. Hardman and Zane Suverly released a radiosonde that soared to an altitude of 97,000 feet and was recovered about two hours later only 100 yards from the point of release. This was the closest that the balloon had ever been found after release. The variance of direction and the light winds aloft over Salt Lake City were shown at 24 knots which brought the balloon back to the original point of origin.

## Earthquake Safety Rules Now Available

A poster -- "Earthquake Safety Rules" -- has been published by the BSSA Office of Public Information that emphasizes precautions to be taken during and immediately following an earth tremor. The two-sided poster offers safety rules to be followed in the event of an earthquake and its worst killer from the sea -- the tsunami or "tidal waves" generated by some earthquakes. Copies are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402 at 10 cents each or \$5.50 per 100.

# Four Selected To Head Weather Bureau Stations



Mr. Anderson



Mr. Moseley



Mr. Allen



Mr. Ferry

Bill B. Anderson, Quality Control Specialist in the Weather Bureau's Western Region, has been selected as official in charge of the Elko, Nev., Weather Bureau Office. Mr. Anderson's other assignments have been at Scottsbluff, Nebr.; Santa Catalina, Calif.; and Eugene, Oreg. He reported for duty on Sept. 2.

John T. Moseley, stationed at the Weather Bureau's Baton Rouge, La., office, will become meteorologist in charge at Alexandria, La., on Sept. 11. Mr. Moseley began work for the Bureau in 1960 at Midland, Tex., and has been a forecaster at Baton Rouge since 1961.

Claude W. Allen, formerly stationed at the Lake Charles, La., Weather Bureau

Office, is now the meteorologist in charge at Pensacola, Fla. A former weather officer with the Air Force, he began his career as an aviation forecaster at New York City in 1961. He transferred to Lake Charles as a radar meteorologist in 1963, and became principal assistant at the station in 1966.

Robert M. Ferry, Weather Bureau Southern Region headquarters, has been selected as the meteorologist in charge of the Birmingham, Ala., forecast office. He began his Bureau career at Chicago in 1949 and served at Honolulu, Suitland, Md., and Tampa, Fla., before becoming Public Service Operations Meteorologist in 1965. Mr. Ferry will report for duty at Birmingham on Sept. 22.

## Elevations Survey Conducted In California and Nevada

The Coast and Geodetic Survey is conducting a survey of elevations along a 230-mile route in California and Nevada. It is being made to determine elevations at more than 250 points along highways and railroads. The route extends for 180 miles in California and 50 miles in Nevada. A 17-man field party is conducting the six-month survey from Cordelia, Calif., to Sacramento, Calif., Reno and Fernley, Nev. It is part of a long-range program to update the Coast Survey's national network of elevations which serve as control points for making measurements in mapping and engineering projects. The party is headed by Clarence Symms, Jr., of Oildale, Calif., and is based at Colfax, Calif.

## Edwin E. James, Cooperative Observer, Honored for 50 years of Weather Service

Edwin E. James, Weather Bureau cooperative observer, was recently presented a 50-year length-of-service award by Hazen H. Bedke, Director, Western Region, at Cascade, Mont. Mr. James has been the official observer near Cascade since 1919 continuing a record started by his grandfather, Dr. E. E. James in 1883. He had previously received both of the higher-ranking awards presented by the Weather Bureau to outstanding cooperative observers--the John Campanius Holm Award in 1962 and the Thomas Jefferson Award in 1967. His present honor is a white-diamond studded lapel button in the form of the Great Seal of the United States, showing 50 years of Government service.



Key personnel in the Weather Bureau's air pollution program at Philadelphia were introduced at dedication ceremonies held Aug. 18. Left to right are: Abraham Kussman, Eastern Regional Air Pollution Meteorologist; Robert Wassal, MIC of the Philadelphia Weather Bureau Office; Burton Sylvern, Air Pollution Meteorologist; James Malinosky, Upper Air Specialist; George Pericht, Assistant Air Pollution Meteorologist; and Mike Yanolko, Upper Air Specialist.

## ESSA Offers Daily Synoptic Weather Maps To American Meteorological Society Editor

ESSA has offered to provide the editor of the American Meteorological Society's Weatherwise with daily synoptic weather maps, which will be prepared by ESSA's Visual Services Branch, formerly the Graphics Branch, from analyses published in the Daily Weather Maps, Weekly Series.

## Length-of-Service Awards

The following Washington-area ESSA employees became eligible to receive length-of-service awards during August: 35 years - Douglas H. Benson, Marine Chart Division. 30 years - Bernard D. Hull, Personnel Division. 25 years - Joseph Kulikowski and Richard E. Foster, Administrative Operations Division; Henry B. Ames, Geodesy, Horizontal Data; Richard T. Cator, Jr., Photogrammetry Division; William E. Embree, Reproduction Division; and James A. Fellgren, Data Processing and Analysis Division. 20 years - Charles Ratcliffe, Administrative Operations Division; Allen F. Flanders, Hydrologic Services Division; Gloria K. Augustus, Systems Development Office; Estelle W. Sligh, Photogrammetry Division; and Annie Lee King, Seismology and Geomagnetism.

## Two NWRC Employees Participate In Federal Executives Program

William Haggard, Director of EDS' National Weather Records Center, Asheville, N. C., is attending the July 27 - September 19 Session I of the program in Executive Education at the Civil Service Commission's Federal Executive Institute in Charlottesville, Va. William Nash, also of NWRC, will participate in the CSC's September 8-19 Federal Executive Seminar on Effects of Technical Development at its Kings Point, N. Y., facilities.

## Punchcard File Reduced at NWRC

As of July 1, EDS' National Weather Records Center had converted 306,875,000 punchcards to 25,651 reels of film. This film is used by the Film Optical Sensing Device for Input to Computers as a data base for machine programs.

## Retirements

Harold A. Smith, construction and maintenance representative in the Weather Bureau's Southern Region, retired Aug. 16 after completing 39 years of service. Thirty-seven years were spent with the Bureau -- all in the Fort Worth area.

William O. Peterson, meteorologist in charge at Raton, New Mexico, will retire Sept. 26, after completing more than 27 years of service with the Weather Bureau. Mr. Peterson entered the Bureau at Fargo, N. D., in 1942, and served at Madison, Wisc., Seattle, Wash., and Pendleton, Oreg., prior to his assignment as MIC in 1955.

Wendell F. Shultz, meteorological technician at the Weather Bureau Office, Phoenix, Ariz., is retiring Sept. 20, after 32 years of Federal service. Mr. Shultz has served his entire Federal career with the Weather Bureau in Phoenix, having worked as junior observer, observational supervisor, principal assistant, and weather forecaster.

## Lami, Mobile Principal Assistant, Dies

Harold E. Lami, principal assistant at the Mobile, Ala., Weather Bureau Office, died Aug. 22. Mr. Lami entered the Bureau at Mobile in 1942, and remained there throughout his career, except for six months duty at Memphis, Tenn.

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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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