

Volume 3

Number 43

October 27, 1967

MISS MCKAIN HEADS NEBRASKA WB STATION



Barbara J. McKain has been appointed meteorologist-in-charge of the Weather Bureau Airport Station at Norfolk, Nebr. She is the second woman now heading a WB station. The other is Mrs. Hazel Tatro at WBAS, Greensboro, N.C. Miss McKain, who had been stationed at the Weather Bureau facility at North Platte, Nebr., since she joined the organization in 1943, took over at Norfolk on Oct. 23. Harold Alexander, in charge of the Norfolk

station for the past 21 years, retired Oct. 21.

SEA FLOOR PROBED WITH NEW DEVICES

Scientists from ESSA's Marine Geology and Geophysics Laboratory and from the University of Illinois' Department of Geology, recently tested the bottom of the sea with newly developed instruments designed to determine the ability of the sea floor to support underwater structures. The tests, carried out at a depth of 885 feet in the Gulf of Maine, were part of a long-range program which may help pave the way for construction and engineering activities on the ocean floor. Working from the USC&GSS DAVIDSON, the investigators lowered a 14-foot aluminum tower to the sea floor. The tower served as a platform for three probes, which measured sediment shear strength, bulk density and water content, and pore pressure from the sea floor to 10 feet below the sea bottom.

MINIATURE WEATHER STATION DEVELOPED

A complete weather observing system small enough to fit into a suitcase has been developed by the Weather Bureau. Named AMOS III-70, it weighs only 50 pounds and fits into a standard WB rack drawer roughly 19 inches deep, 19 inches wide, and 9 inches high. A prototype of the new automatic station has been sent to the WB's Test and Evaluation Laboratory for a year's testing in preparation for operational use in the field as a replacement for the original AMOS III, which is 10 times larger and less versatile.

ESSA OFFICIALS ATTEND OCEANOGRAPHY CONFERENCE

Captain Francis X. Popper, chief of the C&GS New York Field Office, and Silvio G. Simplicio, director of the WB's Eastern Region, represented ESSA at a special seminar on oceanography sponsored by the State of New York and the New York State Science and Technology Foundation, at Rockefeller University in New York City, Oct. 11-12. The seminar was attended by university, industrial, local, State, and Federal groups involved in oceanography.

14TH VHF SYSTEM TO BE INAUGURATED

On Nov. 1, Boston, Mass., will join the growing list of key U.S. cities now using the new VHF weather radio transmission system. Massachusetts Governor John A. Volpe is scheduled to make the inaugural broadcast for the WB station. Boston will be the 14th city to have the service. Four additional stations are expected to be added during 1967 and 1968.

WB STATION COMMENDED

Dr. Oscar Tenenbaum, meteorologist in charge of the WB airport station, Boston, has received a letter of commendation from the chairman of the Race Committee, New York Yacht Club, expressing appreciation for the station's cooperation and assistance during the 1967 America's Cup Races in September. The letter stated in part: "The personal reconnaissance conducted by members of the Bureau during the early trials and the continuous attention to the operation rendered by all earned the respect of the Race Officials, the contestants, the U.S. Coast Guard and the U.S. Navy."

SECOND TILTMETER INSTALLED

A tiltmeter, an instrument designed to measure minute changes in earth stability, is being installed on Kodiak Island. An important part of C&GS' long-range earthquake research program, this is the second tiltmeter to be installed in 1967. The first was installed in California.

BARGER ADDRESSES AGRICULTURAL MEETING

Dr. Gerald L. Barger, Director, Laboratory for Environmental Data Research, EDS, addressed the first joint meeting of the Regional Research Committees of the State Agricultural Experiment Stations at Colorado State University on Oct. 10-12. Dr. Barger, one of the founders of the 10-year-old Committees, discussed information available from EDS for assistance in making agricultural decisions, in a paper titled "Agricultural Production Planning." A number of ESSA's Regional and State Climatologists attended.

KRESGE REPRESENTS COMMERCE ON RIVER COMMISSION

Ralph F. Kresge, Assistant to the WB Associate Director (Hydrology), is the Commerce member of the New England River Basins Commission, established by President Johnson on Sept. 6. The Commission's responsibility covers the States of Maine, New Hampshire, Vermont (excluding the Hudson River and Lake Champlain drainages), Massachusetts (excluding the Hudson River drainage), Connecticut, and Rhode Island, and that portion of New York within the Housatonic River drainage.

NO. 1 CHART REVIEWED

Chart No. 1, "United States of America Nautical Chart Symbols and Abbreviations," is being reviewed by C&GS and the Naval Oceanographic Office. A new edition, to be published in mid-1968, will include all decisions of the Ninth International Hydrographic Conference held earlier this year.

BUOY TESTS SUCCESSFUL

The first prototype of the satellite interrogated environmental buoy has been completed for NESC by the Ocean Research Equipment, Inc., Falmouth, Mass. The buoy was shipped to Bermuda Oct. 13 for extended sea tests, which are reported to have been highly successful.

FRENCH PREPARE FOR COMPUTER FORECASTING

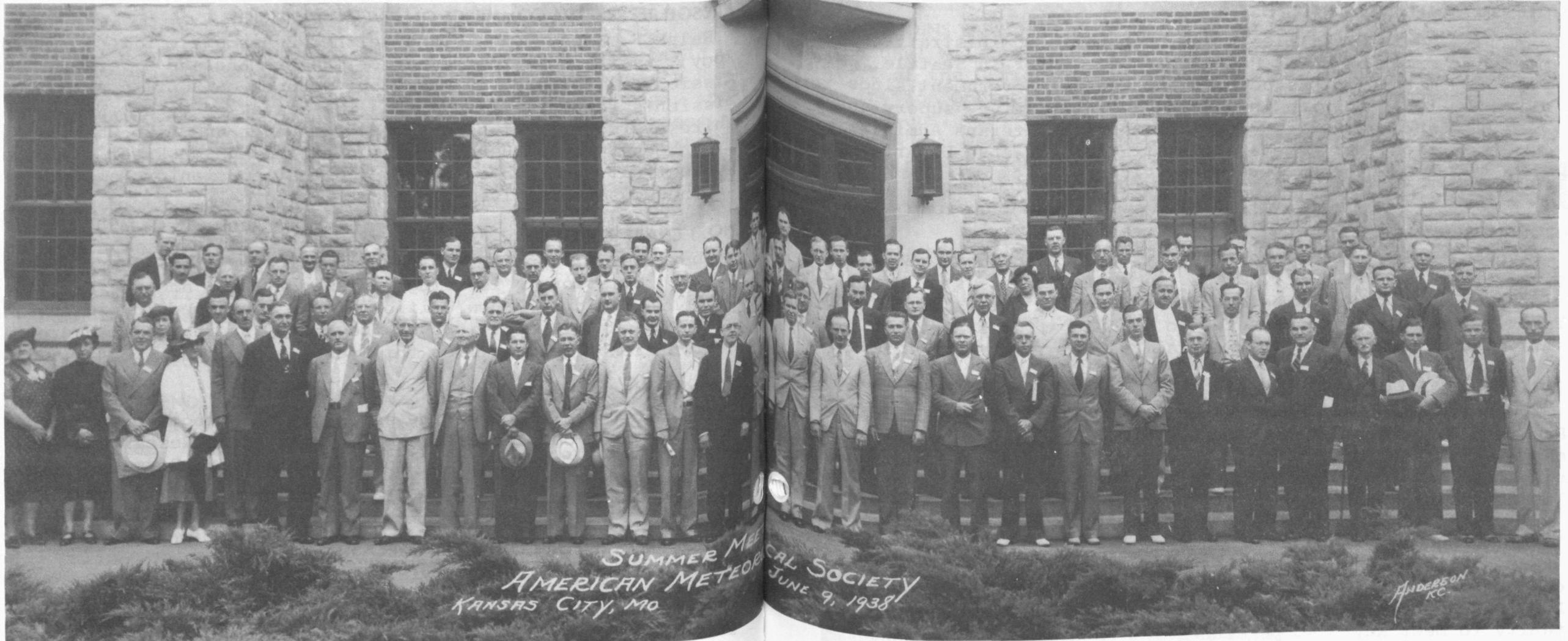
The WB Communications Division was host this month to Jean Labrousse, chief of the automatic data handling center of the French Meteorological Service. Mr. Labrousse studied equipment and programming procedures in preparation for France's active computer participation in the communications phase of the World Weather Watch.

JACOBS TO BRIEF WEST COAST MEETING

Dr. Woodrow C. Jacobs, Director, EDS, will brief the Eastern Pacific Oceanographic Conference on the oceanographic aspects of the World Weather Watch. The conference will be held at the University of California's Conference Center from Nov. 8-10.

IT'S A BIRD...

WB observers at field stations will participate, on a voluntary basis, in the Air Force - University of Colorado research on unidentified flying objects. Cooperation in this project will consist of a telephone call to the university if a suspected UFO is sighted.



Many of the people pictured at a 1938 meeting of the American Meteorological Society in Kansas City are still prominent in meteorology. Paul A. Kutschenreuter, Deputy to the ESSA Assistant Administrator, points out that the names of five persons are missing from the group photo (they are indicated by blanks) and wonders whether ESSA NEWS readers can supply them. If you can, write to Mr. Kutschenreuter at ESSA, Rockville, Md. 20852.

*Front row,
left to right*
Mrs. G. H. Primmer
Mrs. W. J. Fitzgibbons
C. O. Schick
Mrs. T. R. Reed
T. R. Reed
H. T. Collman
W. C. Hickman
S. D. Flora
W. S. Belden
N. E. Lieurance
J. E. Hovde
B. R. Laskowski
A. J. Knarr
W. R. Gregg
S. E. Ekblaw
E. J. Minser
C. F. Brooks
E. J. Christie

A. J. Myers
L. A. Warren
R. M. Mills
Clarence Lang
A. L. Lorenz
E. S. Hanlon
John M. Allison
George Primmer
W. H. Fallon
H. C. Winburn
R. L. Richardson
A. M. Hamrick
*Second row,
left to right*
Mrs. Ross Miller
S. W. Rampy
Jerome Van de
W. J. Fitzgibbons
E. D. Emigh

PHOTOGRAPH OF THE KANSAS CITY MEETING, JUNE 1938

P. H. Kutschenreuter
M. V. Robins
G. K. Greening
C. E. Buell
W. W. McDowell
E. R. Parkinson
E. O. Meyer
Bertram Lichtblau
H. B. Shipman
T. G. Kasfer
L. B. Sykes
A. Blair
W. J. Ware
G. L. Cochran
M. French
D. C. Cameron
Z. Zimmerman
W. Throgmorton

J. N. Mitchell
*Third row,
left to right*
Ross Miller

H. W. Ball
E. M. Vernon
S. E. Cravens
T. A. Lawler
William Swayne
C. P. Linder
Merrill Bernard
H. R. Byers
C. F. Sarle
C. D. Reed
L. W. Isom
Jerome Namias
C.-G. Rossby
Ben Holzman

R. H. Weightman
M. W. Ellett
E. M. Rampey
J. H. Aldrich
Mrs. J. N. Mitchell
V. E. Jakl
C. F. Van Thullenar
W. L. Thompson
R. J. Younkin
F. V. Jones
C. E. Hadley
*Back row,
left to right*
E. E. Mangusson
A. F. Spilhaus

Grover B. Selvidge
E. L. Hardy
C. L. Howard

I. F. MacGruder
R. T. Gillam
F. J. Lynch
M. H. Shearer
R. S. Harris
Edmund Lewis
G. F. Taylor
C. W. Thornthwaite
J. J. George
L. L. Means
L. T. Rogers
J. M. Sherier
K. K. Baird
J. S. Hambleton
A. R. Lowery
R. L. Sharpton

KITTLESON NAMED TO SEATTLE POST



Edwin G. Kittleson has been named administrative officer of C&GS' Pacific Marine Center in Seattle. Mr. Kittleson has been in the Federal Government since 1937, serving in varying administrative, supervisory, and managerial capacities in the Veterans Administration, War Assets Administration, Defense Department, and Internal Revenue Service.

DROUGHT SEMINAR HELD IN UTAH

Wayne C. Palmer, EDS, is presently conducting two meteorological seminars in Utah, Oct. 26-67, to explain his system of determining drought index numbers, commonly called the Palmer Drought Index. The first was scheduled to be held at Utah State University, and the second in the Federal Building, Salt Lake City.

TWO SMALL-CRAFT CHARTS PUBLISHED

Two new small-craft nautical charts, 651-SC covering Calcasieu Pass and Calcasieu River, La., and 878-SC covering the Intracoastal Waterway from Mississippi Sound to New Orleans and southwest-erly to a junction with Bayou Lafourche at Larose, have been published by the C&GS.

WORKSHOP IN PROGRESS AT NWRC

ESSA State Climatologists are attending a workshop this week conducted by EDS' National Weather Records Center, Asheville, N.C. The conference will afford field climatologists an opportunity to meet key NWRC personnel and to discuss new techniques of climatological application.

NEW EDITORS NAMED FOR RADIO SCIENCE

A coeditor and four new associate editors have been appointed to the editorial board of the journal Radio Science, sponsored jointly by ESSA and the International Scientific Radio Union (URSI). Appointees are: Sidney A. Bowhill, University of Illinois, coeditor with Dr. James R. Wait; Jules A. Fejer, University of California; Bradford R. Bean, ESSA, Boulder; H. C. Ko, Ohio State University; and J. R. Whinnery, University of California, all associate editors. Continuing associate editors are: Anthony B. Giordano, Polytechnic Institute of Brooklyn, N.Y.; J. M. Kelson, ACF Industries, Inc.; and R. C. Hansen, KMS Industries. Josephine S. Krantz was appointed administrative editor for the journal replacing Mrs. Mildred F. Talbutt.

BARNEY JOINS WORLD WEATHER SYSTEMS STAFF

Colonel William S. Barney, USAF (Ret.), recently joined the staff of the Office of World Weather Systems as a Program Coordination Officer, after 30 years in Air Force meteorological operations. Col. Barney spent most of his career with the Air Force's Air Weather Service, Scott Air Force Base, Ill., where he retired in August as its Vice Commander. He has had wide experience in conducting foreign assistance programs in meteorology and training and career development programs.

MEEKS TRAINS LATIN AMERICANS

At the request of South American UNESCO officials, Nelson Meeks of ESSA's Albuquerque Seismological Center served as instructor during an 8-day period of a training program in seismology in Lima, Peru. The program was aimed at improving the efficiency of seismic station operators and analysts in Latin America. Students attended from Argentina, Chile, Peru, Venezuela, Colombia, Bolivia, Ecuador, and Brazil.

STEWART PLANS PROGRAM FOR 1968 SYMPOSIUM

Dr. Harris B. Stewart, Jr., Director of ESSA's Institute for Oceanography, is serving as program chairman for the Marine Technology Society symposium to be held March 19-20 in Philadelphia. The meeting is designed to provide marine scientists and engineers with the latest information on research and technological developments on the Atlantic Shelf.



Lieutenant Commander Darrell W. Crawford (left), head of C&GS' Special Geodetic Party G-56 at Cape Kennedy, was recently presented the U.S. Air Force Commendation Medal by Admiral James C. Tison, Jr. (right), for outstanding service in support of the Atlantic Missile Range from Dec. 1964 to June 1967.

DRIVER IMPROVEMENT PROGRAM BEGINS

As part of an ESSA Driver Improvement Program which began earlier this month, one-week sessions will be held at major ESSA installations to train selected employees as instructors. These employees will then conduct the Driver Improvement course for other personnel. The course stresses defensive driving and turnpike techniques through perception and control techniques.

SURVEY PARTIES

C&GS surveys are in progress at Bridgeport (Conn.) Municipal Airport; Goodwin Field, El Dorado, Ark.; Scottsbluff (Neb.) Municipal Airport; Tri-City Airport, Bristol, Tenn.; Stallings Field, Kinston, N.C.; and Riverside (Calif.) Municipal Airport. Another survey party, headed by Eugene T. Ogilby, is expected to arrive at Cape Kennedy (Fla.) Regional Airport on Oct. 30.

EXAM REVISED FOR SUMMER EMPLOYEES

All college undergraduates interested in Federal Government summer employment in 1968 are now required by the Civil Service Commission to take a new test combining the Office and Science Assistant and Post Office exams. No appointments will be made based on prior year's eligibility. The CSC announcement was made public Oct. 17.

SERVICE AWARDS

Employees in the WB Central Region receiving awards this month are: 30 years - Clifford D. Hall, WBFC, Chicago; Thomas W. Rule, Cheyenne, Wyo.; Norma I. Wallace, Denver; George F. Wall, Fort Wayne, Ind.; Clyde B. Lee, Louisville, Ky.; and Earl N. Hoffman, Marquette, Mich. 25 years - Ellis D. Pike, Wichita, Kans.; Grace V. Shafer, Pueblo, Colo.; Ralph E. Hackman, St. Cloud, Minn.; Frank H. Grabowski, Detroit; Joseph F. Mattingly, Evansville, Ind.; Irvin H. Borjeson, Goodland, Kans.; Anthony F. Tubacki, Chicago; and Loy C. Johnson, Des Moines, Iowa. 20 years - Charles J. Merritt, Evansville, Ind.

Norman E. Matlock of the C&GS Mid-Continent Field Area received a 20-year award.

Items to be considered for ESSA NEWS must be received by Friday for publication the following Friday. Send material to: Office of Public Information, ESSA, Room 804, Bldg. 5, WSC, Rockville, Md. 20852. Phone (301) 496-8243.

National Oceanic and Atmospheric Administration

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July 23, 2010