



NOAA WEEK

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

Tuna Net Modification Saves Trapped Porpoises

Secretary of Commerce Maurice H. Stans has announced that a new technique for reducing the number of porpoises trapped in large tuna nets has lowered porpoise mortality by 75 percent in tests conducted by the National Marine Fisheries Service and the U. S. Navy.

Fishermen are vitally concerned with the preservation of porpoises because yellowfin tuna (the mainstay of the U. S. fishing fleet based at San Diego, Calif., and about half of the total tuna catch by U. S. fishermen) frequently swim beneath porpoise schools, which are visible at the surface in tropical waters. With this knowledge in mind, the fishermen set large nets (called purse seines) used in catching 90 percent of the yellowfin, and often capture some of the porpoises with their catch. Some of the animals become entangled in the nets before they can be released, and, being mammals, suffocate without air.

A net modification that permits the escape of trapped porpoises was tested in a month-long study aboard a chartered commercial tuna vessel. Developed by Harold Medina, a well-known tuna boat captain, the purse seine modification involves insertion of a strip of smaller mesh netting in the back end of the large net. This smaller net prevents porpoise snouts and flippers from becoming entangled in the net and increases the effectiveness of an established procedure of porpoise release, called "backing down." In backing down, the fishing vessel maneuvers in such a way that the float line at the back end of the net sinks beneath the water surface, allowing the porpoises to swim out over the top of the net while the tuna remain inside.

In 25 sets conducted during the recent study, the modified net reduced average porpoise mortality by 75 percent, as compared to earlier observations with unmodified purse seines.

Secretary Stans said that while the tests were encouraging, additional data must be accumulated from tuna boats on a catch-by-catch basis, and that tests will

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NOAA Ships Begin Year Of Diverse Projects

Approximately 975 scientists, technicians, officers, and seamen will man 30 NOAA ships in the 1972 season of investigations of the oceans and U.S. coastal waters.

Fourteen of the ships are operated by the National Ocean Survey, and 16 by the National Marine Fisheries Service.

This year, as during the past few years, NOAA scientists from the Miami-based Atlantic Oceanographic and Meteorological Laboratories and Seattle's Pacific Oceanographic Laboratories will continue research on the interrelated theories of continental drift and sea floor spreading. Seeking additional evidence concerning these theories, the OCEANOGRAPHER will spend about four months in the region stretching from the Hawaiian Islands to the submerged continental margin of Asia to make a comprehensive geophysical survey of an ocean corridor extending half-way across the Pacific.

The OCEANOGRAPHER'S sister ship, the Miami-based DISCOVERER, will for the third successive season conduct geological and geophysical studies along a comparable 200-mile-wide corridor of the Atlantic Ocean from Cape Hatteras, N.C., to Cap Blanc, Africa, the path that Africa and North America are believed to have taken when they split and drifted apart. A three-week cooperative investigation off the west coast of Africa with the University of Miami's vessel R/V HOPE will be included. The DISCOVERER also will continue NOAA participation in the Cooperative Investigation of the Caribbean and Adjacent Regions (CICAR) and will conduct geophysical measurements between the submerged Mid-Atlantic Ridge and the Caribbean for a three-month period in cooperation with the United Kingdom.

Geophysical surveys of the continental shelf will be conducted along the Pacific Coast by the Seattle-based SURVEYOR, which also will carry out systematic deep ocean surveys in the north-central Pacific.

The Miami-based RESEARCHER will conduct oceanographic observations in Lake Ontario as part of the International Field Year for the Great Lakes, a joint undertaking of

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Frederick P. Helgeson Is Named To Head Parkersburg, W.Va., WSO



Frederick P. Helgeson has assumed his new position as Official In Charge of the Weather Service Office in Parkersburg, W. Va. For the past year he has been an aviation observation specialist in the Data Acquisition Branch of the NWS Eastern Region Headquarters.

Mr. Helgeson began his NWS career in 1962 upon retiring as a Chief Aerographer's Mate from the U.S. Navy, which he joined during World War II. After serving with the Joint Arctic Weather Service at Resolute Bay and Alert, Northwest Territory, Canada, he transferred to Dayton, O., as an upper air observation specialist. In 1963 he was assigned as an observer briefer at Asheville, N.C., and from 1965 to 1970, was a weather service specialist at Huntington, W.Va.

A native of Minnesota, Mr. Helgeson attended Asheville-Biltmore College in Asheville, N.C., and received his meteorological education at Penn State.

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continue with the cooperation of the Navy and the tuna fishermen, with the aim of entirely eliminating porpoise mortality.

During the same cruise in the Eastern Pacific, completed in late December, miniature radio transmitters were attached to porpoises to study their movements. Radio tracking revealed that individual animals traveled hundreds of miles in a few days; large schools of porpoises tended to break up into smaller groups during evening hours, and reform in the morning; at night porpoises submerged for longer periods than during the day, remaining underwater as long as eight minutes. Other data are expected to provide additional insights into porpoise behavior and tuna-porpoise relationships.

Personnel from the NMFS laboratory at La Jolla, Calif., and the Naval Undersea Research and Development Center, San Diego, Calif., were involved in the tests. William E. Evans, Senior Research Zoologist at the naval installation directed the research, planned with NMFS Project Leader William Perrin. The American Tuna Boat Association arranged for the seiner QUEEN MARY, captained by Joseph Medina, to take part in the tests.

Ships (Continued from page 1)

the United States and Canada.

Marine charting surveys will be carried out by the RAINIER, FAIRWEATHER, DAVIDSON, MT MITCHELL, WHITING, and PEIRCE in the waters of Hawaii, Alaska, California, Georgia, South Carolina, Delaware, New Jersey, Massachusetts, Puerto Rico, and the Virgin Islands, and by shore-based hydrographic parties in Maryland and Florida.

The MT MITCHELL and WHITING have already begun hydrographic surveys of the waters of Puerto Rico and the Virgin Islands that are part of a long-range NOS program to update nautical charts and coast pilots for the area. The program has been underway in Puerto Rican waters since 1962 and in the Virgin Islands since 1964. Some soundings on existing charts of Virgin Islands waters date back to British Admiralty surveys.

Wire drag surveys for underwater hazards will be conducted in Chesapeake and Delaware bays and in the Gulf of Mexico by the RUDE and HECK and in Washington state by the DAVIDSON. Current and circulation studies will be performed by the FERREL off Charleston, S. C., and in Massachusetts Bay, and by the McARTHUR in Puget Sound, Wash.

Meanwhile, the vessels operated by the NMFS will be engaged in important fisheries surveys and research along U.S. coasts and in the Pacific. Ichthyoplankton surveys will be conducted by the ALBATROSS IV, OREGON II, DELAWARE II, DAVID STARR JORDAN, and TOWNSEND CROMWELL.

The ships also will carry out surveys of groundfish and skipjack and of pollution in the New York Bight area and will perform sonar assessments of ocean fish resources. The GEORGE B. KELEZ will study the distribution and migration of Pacific salmon off the coasts of Washington and Alaska.

Three ships will be used in the study of regional fishery problems: the GEORGE M. BOWERS, from her base in Brunswick, Ga., will conduct surveys of finfish and shellfish resources from Cape Hatteras to the Gulf of Mexico; the JOHN COBB out of Seattle and the OREGON out of Kodiak, Alaska, will perform similar work off the west coast and in Alaska.

Four smaller craft--the RORQUAL from Boothbay Harbor, Me.; the CHALLENGER from Sandy Hook, N.J.; the MURRE II from Auke Bay, Alaska; and the CRIPPLE CREEK from Kodiak--will carry out fisheries research in their local waters.

Donald B. Munro Is Appointed To Lake Charles, La., Post



Donald B. Munro, of Jackson, Miss., has been appointed to head the Lake Charles, La., office of the National Weather Service, replacing Joe D. Worrell, who retired last month.

Mr. Munro's more than 28 years of weather work includes first-hand experience with Gulf Coast weather. He has received numer-

ous citations and awards for excellence in providing weather warnings and services since becoming head of the Jackson WSO in 1962. He was cited by the Office of Civil Defense and Governor John Bell Williams for outstanding contributions to safety in connection with Hurricane Camille, and he and his Jackson staff received a NOAA Unit Citation Award for detection and tracking of potentially dangerous storms and subsequent issuance of a series of highly accurate tornado warnings to many cities and communities in Mississippi on February 21, 1971.

Mr. Munro holds bachelor's degrees in meteorology from New York University and in chemistry from the University of Arkansas.

Walter R. Marten Is Awarded Commerce Department Bronze Medal



Walter R. Marten (left), Area Electronics Supervisor for Montana, is shown receiving his Department of Commerce Bronze Medal Award from Halbert E. Root, Chief, Weather Analysis and Prediction at NWS Western Region Headquarters. Mr. Marten, who is stationed at the Weather Service Forecast Office in Great Falls, Mont., was cited for outstanding leadership of the electronics maintenance program in Montana for over 10 years.

"Topping Out" Ceremony Held For AOML's New Building



The photo above was taken atop the Atlantic Oceanographic and Meteorological Laboratories' new research facility in Miami, Fla., following the recent "topping out" ceremony marking completion of the total shell of the building, and installation of the tree which indicates the maximum height of the building has been reached. In the photo, from left, are Dr. Harris B. Stewart, Jr., Director, AOML; Ron Shafer, President of Shafer and Miller (the general contracting firm for the project); Freeman Williams, of Ferendino, Grafton, Spillis, & Candela, Architects; John Kofoed, Assistant Director, AOML; Dr. John Apel, Research Physicist, AOML; and Lt. (j.g.) James Witte, the Naval Facilities Engineering Command Assistant Resident Officer in Charge of Construction.

Tentative plans call for occupancy of the building during the summer, with a dedication in late September.

AGU Meeting Scheduled for April 17-21

The 1972 National Meeting of the American Geophysical Union will be held at the Sheraton-Park Hotel in Washington, D.C., from April 17-21. Papers on geodesy and other earth sciences are desired. Abstracts, which must be typed on a special form, are due at the AGU office on or before February 2. For forms and further information contact Foster Morrison (Code C-111), Room 119, NBOC-1. Phone: (Area Code 301) 496-8423 or IDS 14-68423.

California Income Tax To Be Withheld

Per requirement received from the Treasury Department, NOAA will begin state tax withholdings for employees whose place of employment is in the state of California.

The withholdings will be taken from salary checks dated on or after January 19, 1972.

Whiteleather, Bosen, Rhorer, Dwelle Retire

Richard T. Whiteleather, Director of the Southeast Region of the National Marine Fisheries Service, is retiring today, after 36 years of Federal service. He spent more than a third of this time at the fisheries service regional office in St. Petersburg, Fla., where he was Deputy Director for 12 years before being named Regional Director in January 1970.

He graduated from the University of Washington's College of Fisheries in Seattle, in 1934. His early assignments included work in Alaska on herring research; on the Columbia River salmon rehabilitation program; in the Fisheries Statistics Office in Washington, D. C.; and in the Caribbean, where he studied exploration and development of the Caribbean fisheries. In 1946 he was appointed Chief of the Fishery Market News Office in New York City, and two years later was transferred to Washington to develop national marketing and exploratory fishing programs.

Jack W. Gehringer, Associate Regional Director, is now Acting Regional Director.



Julius F. Bosen, chief of the Environmental Data Service's Systems Design Staff, is retiring today, after 32 years of Federal service. He began his career with the Census Bureau in 1942, and in 1946 transferred to the Office of Climatological and Hydrologic Services, NWS, as a tabulation project planner.

In 1956 he became chief of the Office of Climatology's Analytical Climatology Section. His work there involved adapting FOSDIC (Film Optical Sensing Device for Input to Computer) to Weather Service punch card procedures and developing the FOSDIC Filmer--an automatic camera. In 1958, he was promoted to a digital computer systems administrator position in the Office of Climatology.

Mr. Bosen is a graduate of the University of Chicago.

Harry L. Rhorer, quality control officer at the Weather Service Forecast Office in Albuquerque, N.M., retired on January 8 after 32 years with the National Weather Service. He began his career in 1939 at San Antonio, Tex., moved to El Paso, Tex. in 1940, and transferred to Albuquerque in 1942. He progressed from observer to meteorologist in 1943, and worked in aviation forecasting prior to becoming quality

NMFS To Sponsor Symposium During Billfish Tournament

The National Marine Fisheries Service will be the principal sponsor of a three-day International Symposium on Billfish scheduled for August 9-12, 1972, at Kailua-Kona, Hawaii, during the annual Hawaiian International Billfish Tournament.

The symposium is planned to provide interaction and dialogue between scientists and sport fishermen (who are attracted from around the world to the tournament), and others interested in billfish.

Each evening, symposium participants will make on-the-spot examinations of that day's catch of billfish in the tournament, and scientists from the Honolulu laboratory of NMFS will examine the catch for stomach content, and record size and sex data.

Overview papers will be presented by Dr. Shoji Ueyanagi of Japan (world commercial fisheries) and Dr. Donald de Sylva of the U.S. (world sport fisheries).

Persons interested in presenting papers during one of four scientific sessions, or in having them included in the Proceedings of the Symposium papers, although not formally presenting them at the meeting, should contact the International Billfish Symposium, c/o Tiburon Fisheries Laboratory, P.O. Box 98, Tiburon, Calif. 94920.

Titles of papers are to be submitted no later than February 1; abstracts, no later than May 1; and manuscripts are to be submitted to the Committee at the start of the symposium.

control officer in 1961. Mr. Rhorer and his wife, Hazel, plan to maintain their home at 2017 Madeira, N.E., in Albuquerque.



Horace C. Dwelle, Officer in Charge of the Weather Service Office in Parkersburg, W. Va., retired earlier this month after 35 years of weather service. He began his career as a junior observer in Cheyenne, Wyo. in 1936. He moved to Casper, Wyo., in 1940 and in 1944 became an observer in New York City. In 1957 he became Officer In Charge at Elkins, W. Va., where he remained until 1962, when he transferred to Parkersburg to head the office there.

NOTES ABOUT PEOPLE



Rutlage J. Brazee, seismologist with the Environmental Data Service's National Geophysical Data Center, received a Certificate of Appreciation from the Office of Emergency Preparedness, Executive Office of the President, in recognition of his professional service and contribution to the Disaster Study Group from

July 15 to December 15. Mr. Brazee provided professional expertise in the environmental aspects of a report to Congress outlining what additional or improved plans, procedures and facilities are necessary to provide immediate effective action to prevent personal injuries and deaths, and to minimize loss of public or private property which could result from natural disasters.

Dr. Sidney Teweles, Chief of the National Weather Service Data Acquisition Division, last month chaired meetings of the WMO Regional Association IV (RA IV) Working Group on Regional Requirements for Basic Meteorological Data (RRBMD) and co-chaired joint sessions of the RRBMD with the WMO Working Group on Tropical Areas of Region IV (TROPARE).

Thomas Blackburn, also from DATAC, assisted with arrangements for and in recording the minutes of the sessions, held in the quarters of the Caribbean Meteorological Institute in Barbados and attended by 28 working group members and invited experts and two officials from WMO headquarters.

Dr. Neil Frank of the National Hurricane Center, Miami, Fla., and Dr. Jose A. Colon, Meteorologist In Charge of the San Juan National Weather Service Forecast Office also participated in the sessions.

While still Chief Hydrologist of the National Weather Service, Max A. Kohler, who is now Acting Associate Director for Hydrology, NWS, was a member of the U.S. Delegation to the recent Paris session of the UNESCO International Hydrological Decade Coordinating Council, which was devoted primarily to consideration of the long-term continuing program in hydrology to be carried out following the IHD. Subsequently he attended in Geneva sessions of the WMO Executive Committee Panel of Experts for the IHD, which reviewed WMO's activities in the IHD and made recommendations for completing the several projects by the termination of the IHD in 1974; and

the Advisory Working Group of the WMO Commission for Hydrology, which was concerned with detailing plans for the Commission's fourth session, scheduled to take place in Buenos Aires, April 3-17, 1972.

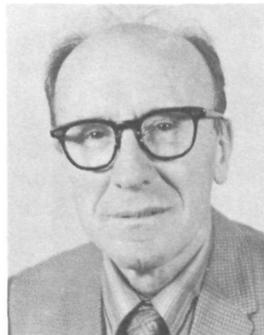
Dr. James R. Wait, senior scientist and consultant to the directors of the Institute for Telecommunication Sciences and its parent organization, the Office of Telecommunications, has transferred to NOAA as consultant to Environmental Research Laboratories director Wilmot N. Hess, a position he formerly held in ESSA.

Frederick K. Cramer, resource management administrator for the Southwest Region of the National Marine Fisheries Service, has co-authored a history of the unique system of fishwheels on the Columbia River. The book, "Fishwheels of the Columbia," was a spare-time project of Mr. Cramer and Ivan J. Donaldson, biologist with the Portland District Corps of Engineers, since 1959.

Although fishwheels were common on the Atlantic Coast as early as 1829, they were not introduced on the Columbia until 1879. The fishwheels, now illegal in this country, used only the river current for power, and could scoop up as many as 3,000 fish per wheel per day.

The book is the only history written for this particular fishery, and contains information and photographs available only from the personal sources (old fishermen and grandchildren of early wheelmen) consulted by the authors.

The book was published in late November by Binford & Mort, of Portland, Ore.



Malcolm Rigby of the Environmental Data Service's Environmental Science Information Center has been cited by the American Meteorological Society "for his devoted and untiring service as Editor of the Society's Meteorological and Geostrophical Abstracts since its initiation in 1950 and for his dedicated

work on the documentation and retrieval of geophysical data." He received the award at the Fourth Conference on Weathercasting (Radio and TV) held by the Society in New Orleans on January 9-10.

Mr. Rigby was with the National Weather Service from 1928-1950, and Editor of the Meteorological and Geostrophical Abstracts from 1950 to 1964. He continued to serve as Editor of the Abstracts after returning to the NWS in 1964.

Employees Receive Length of Service Awards

National Weather Service Southern Region employees who received length-of-service awards in December were: 30 years - Tim THOMPSON, WSO El Paso, Tex. 25 years - Charles G. COOK, WSFO Fort Worth, Tex.; and Guy A. BARKLEY, WSO Nashville, Tenn. 20 years - Ray BROUSSARD, WSO Port Arthur, Tex.; and Max B. DURRETT, WSO WACO, Tex.

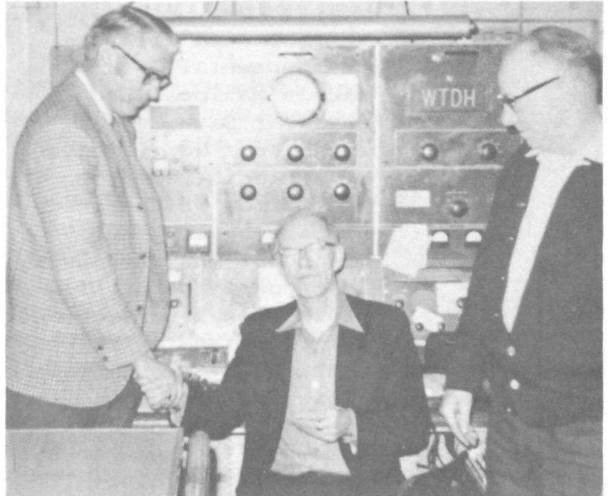


Charles B. CAMPBELL, Chief of the Administrative Division of the Lake Survey Center, is shown receiving his 35-year pin from Captain Robert E. Williams, Director, LSC.

National Weather Service Western Region employees who received length-of-service awards in December were: 40 years - Robert C. BORDERS, Yakima, Wash. 30 years - Louis BILLONES - WRH RSMU; Ray F. RANDALL, Bakersfield, Calif.; Lester P. MALLORY, Salt Lake City, Utah, WSFO; and George W. WERTS, San Francisco, Calif. 25 years - Ellis B. Burton, WRH, WXAP. 20 years - Lucianne Miller, WRH SSD; and William G. STANLEY, Missoula, Mont.



Jose VELASQUEZ (left), chief engineer aboard the OCEANOGRAPHER, is shown being congratulated by Captain Miller J. Tonkel, Commanding Officer of the Ship, after receiving his 25-year service award.



Horace J. "Sparky" MARTYN (center) is shown above receiving his 40-year pin in the radio room of the NOAA Ship PRIB-ILOF, operated by the National Marine Fisheries Service. Congratulating him are (left) William L. Peck, Program Director of the Pribilof Islands Program, and Captain Fred Langbehn, Master of the PRIB-ILOF.

National Weather Service Pacific Region employees who received length-of-service awards in December were: 25 years - Frank J. Kocsis, Personnel, PRH. 20 years - George Y. OKOJI, WSFO Kwajalein.

NOAA Headquarters employees who received length-of-service awards in December were: 40 years - Raymond H. CARSTENS. 35 years - Cornelius CALLAHAN; Parke P. STARKE; Bernard EDELMAN; James H. AINSWORTH; and Vincent J. OLIVER. 30 years - Edward L. JORDON, Jr.; Orval C. TURNER; G. Winifred HOWARD; Julia H. BANKOVSKY; Joseph F. DRACUP; Robert L. SUGDEN; Stephen J. YACHMETZ; William J. CASEY; Hans M. HANSON; Edward J. CAREY; and Gladys G. OWENS. 25 years - John D. KELLY, Sr.; Kenneth D. BARBER; Ned T. PERRY; Marie R. ZASLONKA; William H. PLEW; and Mayme O. WHITMORE. 20 years - James L. PHILAPY; Louise E. GREEN; Armond F. WELSH; John E. McCONNELL; Jerry C. GLOVER; Ralph K. ANDERSON; Gladys K. CHANDLER; and Helen M. JOSWICK.

National Weather Service Eastern Region employees who received length-of-service awards in December were: 30 years - Thomas V. BRIERLY, Jr., WSO Dayton, O.; Frederick HELGESON, ERH (DATA); Edward H. ISON, WSO Washington, D. C. (National); and Jack W. MILLER, WSO Norfolk, Va. 25 years - Robert H. JOHNSON, Jr., WSO Wilmington, N.C. 20 years - John K. KARLOCK, RFC Harrisburg, Pa.

Laser Ranger Is Demonstrated For LSC Office Personnel

The Lake Survey Center chart revision field party used the Center's new Laser Ranger for the first time this past summer in establishing hydrographic survey control and in support of photogrammetric projects. The electronic distance measuring equipment aroused such interest among the office personnel in Detroit that William Bergen, chief of the Horizontal Control section, gave a short demonstration.

He and other personnel of the Section measured a pre-established range four times using conventional surveying methods, and then measured the range with the Laser Ranger. Comparison of the two ranging methods showed that the Laser Ranger results were within the accuracy limitations of the conventional taping techniques; however, the Laser measurements could be made much more rapidly.

The instrument was designed for a maximum range of 6,000 meters with an accuracy of $\pm 5\text{mm} + 2$ parts per 1,000,000 (approximately one-half inch in a four-mile distance).

Awards (Continued from page 6)

National Weather Service Central Region employees who received length-of-service awards in December were: 30 years - Ezral R. Broers, WSO Des Moines, Iowa; Charles B. GILLINGHAM, WSO International Falls, Minn.; Forrest E. HORNING and Joseph J. SLACK, WSFO Denver, Colo.; Clarence A. WHITE, WSO Evansville, Ind.; and William H. WELLS, WSO Huron, S. D. 20 years - Dorothy RAMMINGER, WSO/SC Madison, Wisc.; Richard M. REESOR, WSO Rockford, Ill.; Marvin D. SHORE, WSMO Salem, Ill.; Ruth G. LACY, WSO Cheyenne, Wyo.; and Jimmie J. GILL, NSSFC Kansas City, Mo.



Shown above are members of the Weather Service Forecast Office in Columbia, S.C., who recently were honored for long Federal service. They are (from left, front row) Fred BRANDON, George RICHARDSON, and Mel DYBVIK, each 30 years; and Bob CARPENTER, 25 years. (back row, from left) Jim MORRELL, 31 years; Percy ROGERSON, 15 years; Bill DAVIS, 30 years.

Soaring Society of America Presents Certificate to NWS



Dr. George P. Cressman (right) is shown accepting from Col. Floyd J. Sweet (center), Director of the Mid Atlantic Region, Soaring Society of America, a certificate of appreciation for the support provided by the NWS to the 1970 World Soaring Championships. On the left is Charles V. Linda say of the Weather Service Forecast Office in Washington, D. C., who, along with David Owens of the Weather Service Office in Austin, Tex.; and Ellis Burton, NWS Western Region Headquarters, Salt Lake City, Utah, provided forecast guidance to the contests held in Marfa, Tex.

The international contests, held every other year for the past 24 years, had never before been staged in the U.S.A.

In presenting the certificate, Col. Sweet recalled past years of cooperation between NWS and SSA, in both contest and research activities, and some of the NWS experts whom he had met and worked with personally over the years, including Barney Wiggin, former MIC at Buffalo, N.Y., now retired; Ted Lang, Weather Service Forecast Office, Fort Worth, Tex.; and John Aldrich, formerly Supervisory Aviation Forecaster at the Weather Service Forecast Office at Los Angeles, now retired.

Robert C. Moler Dies

Robert C. Moler, who retired in 1957 from the Coast and Geodetic Survey (predecessor of NOAA), died December 15 in Falls Church, Va. At the time of his retirement he was chief of the C&GS Geodesy Division's drafting section.

(West Columbia, S.C., Journal photo)

New Group of Administrative Trainees Begins Program



Front row (from left): Rena Smith, Daisy Rivers, Birta Johnson, Hope McClellan, and Helen Marks .
Second row (from left) Mr. Gleiter, Francis Sly, Earl Boykin, Charles McBride, and Floyd Smith.

Shown above with Ted Gleiter, Assistant Administrator for Administration, NOAA, are the nine persons selected to enter Group IV of the Administrative Trainee Program. Selected from 140 candidates after a screening process that lasted for three weeks were: Rena Smith, National Marine Fisheries Service; Helen Marks and Daisy Rivers, Environmental Research Laboratories; Earl Boykin and Charles McBride, National Weather Service; and Birta Johnson, Hope McClellan, Francis Sly, and Floyd Smith, NOAA Finance Division.

The chief selection criteria were: work experience, education and training, supervisor's appraisal, panel interview and group interview.

The areas in which the new trainees are starting their initial assignments are: Administrative Operations Division, Management Systems Division, Office of Policy and Plans, NOAA Corps, and NOS Office of Associate Director, Aeronautical Chart-

ing and Cartography.

Persons who were not selected for this group should reapply when the program is announced again if they are still interested. Candidates who applied from NOAA's field offices will be interviewed over the next few months and considered for placement in the next group of trainees.

The purposes of the Administrative Trainee Program are to encourage qualified individuals, including minority group members and women, to make a career in administrative work, and to improve opportunities for upward mobility. Among the 24 persons who entered the program in the first three groups there are 13 females and 11 males, and there are 12 black and 12 white participants. Of these, 12 are college graduates. Five trainees have completed the program successfully and have been placed in permanent administrative positions with promotions. Three are working in Budget and two in Personnel.

NOVAC Day Care Scholarships Available

1971 ended on a good note for NOVAC (NOAA Voluntary Action, Inc.) with the successful completion of its December fund drive. Thanks to the generosity of NOAA employees, NOVAC has announced that it is now ready to accept applications for scholarships for children who need day care in order to permit their parents to work. Scholarships are limited to children in the District of Columbia Metropolitan Area and consist of subsidies scaled to the parent's income. Applications may be obtained from NOVAC volunteers (see your bulletin board for volunteer's name), by calling Linda Trunzo, 14-68105, or by writing NOVAC, P.O. Box 228, Kensington, Md., 20795.

San Francisco International Airport Being Surveyed by NOS Field Party

A National Ocean Survey airport survey party headed by Paul D. Crabtree has begun a three-week field survey of the San Francisco (Calif.) International Airport.

The survey is part of a joint program with the Federal Aviation Administration to advance air safety. Results of the survey, in conjunction with aerial photographs taken previously by the NOS, will appear on an Airport Obstruction Chart to be published in five or six months. Airport Obstruction Charts are used by the FAA in planning operational procedures for the arrival and departure of aircraft.

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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