

## Hull Heads New Office Of Oceanography

NOS has established the Office of Oceanography to assist NOAA and the Department of Commerce to respond effectively to the many and diverse ocean and coastal initiatives over the next decade. Capt. Wesley V. Hull of Rockville, Md., was named Acting Director.

The new office assumes the responsibility for all the oceanographic and ocean dumping projects working in close coordination with the NOS Office of Marine Surveys and Maps. The Office collects and evaluates oceanographic and marine



Capt. Wesley V. Hull

navigation data and performs analyses of physical phenomena pertaining to the sea and Great Lakes, including tides, water levels, currents, the dynamics and physical properties of seawater, and shoreline and bottom configuration, as they affect waves and currents.

The Office also conducts comprehensive engineering surveys, estuarine investigations, and studies of the Great Lakes and their outflow rivers, Lake Champlain, portions of the Hudson River, New York State Barge Canal, and Minnesota-Ontario border lakes. It directs

(Continued on p. 2)

## Director of University Affairs for NOAA

# Frank Designates N.C. Professor

Richard A. Frank, NOAA Administrator, has announced his intention to designate Dr. Earl G. Droessler of North Carolina State University as Director of University Affairs for NOAA.

## Kreps Adds New Members To Committee

Seven new members have been appointed by Commerce Secretary Juanita M. Kreps to serve on the National Coastal Zone Management Advisory Committee.

The new appointees are Joseph Bodovitz, a consultant from Mill Valley, Calif., and formerly executive director of the California Coastal Commission; Ogden Doremus, an environmental attorney from Meter, Ga.; Patrick W. Kelly, head of the American Petroleum Institute's Coastal Zone Management Task Force, from Dallas; Steven A. McMillan, vice president of Earle, McMillan, and Niemayer, from Bay Minette, Ala.; Michele Perault, coastal coordinator for the Sierra Club, from Berkeley, Calif.; Dr. Shirley H. Taylor, chairwoman of the Sierra Club Task Force on Coastal Zone Management, from Tallahassee; and Henry Wheatley, president of Ocean Environments, Inc., from St. Thomas, Virgin Islands.

They will join the four other members of the Advisory Committee, which was established by the Coastal Zone Management Act of 1972 to make policy recommendations to the Secretary of Commerce on such matters as proposed legislation, Federal regulations, and the administration of the coastal zone management program.

Droessler is Professor of Geosciences and Vice Provost and Dean for Research at the University.

The designation, Frank said, has special significance in view of the quality of thought and research available to NOAA from the academic and research communities of the Nation.

In a recent memo, Frank instructed all elements of NOAA to strengthen their relations with the academic and research communities to better enable the agency to fulfill its mandates in the best possible fashion. NOAA's support of these communities, he said, will in turn strengthen them and permit them to continue to provide

outstanding service.

Frank said Droessler's extensive background in research and education especially qualified him for the newly created post.

Droessler previously held positions in the Federal government at the Office of Naval Research, the Office of the Secretary of Defense, and the National Science Foundation. Additionally, he has held various academic posts including Professor of Atmospheric Sciences and Vice President for Research and Development at the State University of New York at Albany, where he served prior to joining North Carolina State University in 1971.

(Continued on p. 2)

## Taggart Is Fleet Operations Deputy Associate Director

Capt. Kelly E. Taggart, has been appointed Deputy Associate Director of the National Ocean Survey's Office of Fleet Operations.

The Office of Fleet Operations maintains control over 25

Lippold, Associate Director of NOS Office of Fleet Operations, in the management of the NOAA fleet.

Taggart, a 24-year veteran of government service, has served with various Commerce Department agencies since he joined the Coast and Geodetic Survey (now the National Ocean Survey) in 1955 as a junior officer aboard the C&GS ship Pathfinder. He has served aboard five Survey ships, with two tours on one vessel, the Oceanographer, as Executive Officer and as Commanding Officer. He has also served on aerial photographic mapping missions, and charting and geodesy programs, and in the NOAA Office of Congressional Liaison. He has recently completed a year of full-time university training in Marine Policy Management at the University of Washington, Seattle. He graduated in 1955 with a degree in civil engineering from the University of Missouri.



Capt. Kelly E. Taggart

NOAA ships engaged in deep ocean and fisheries research and surveys; ocean, coastal and Great Lakes hydrographic surveys; coastal wire drag operations; and tidal current surveys. Taggart will assist R.Adm. Herbert R.

## South Pole Clean Air Station Gets A Visit From Administrator Frank

On one of his trips to NOAA facilities, Administrator Richard A. Frank got to breathe some of the cleanest air in the world. He visited the South Pole, Antarctica, clean-air monitoring station.

The Amundsen-Scott South Pole station is the location of one of four observatories operated by the Air Resources Laboratories to monitor atmospheric constituents important for climate change. These stations are located in remote clean-air sites to measure the background concentrations of trace gases and particulate pollutants in the atmosphere. (The three other observatories are situated in Barrow, Alaska; Mauna Loa, Hawaii; and American Samoa.) The monitoring effort at these observatories is for a long-term surveillance of the atmosphere. Such measure-

ments will be used to determine whether gases or particulates, put into the atmosphere by human activities or by natural causes, are significant enough to affect climate.

In recent years these observatories have been the principal source of information with which the scientific community has observed both the gradual build-up of carbon dioxide gas in the atmosphere and the episodic injections of volcanic debris into the stratosphere.

Instruments measuring solar energy at these remote observatories have shown that the clarity of the atmosphere on a global scale has decreased by as much as several percent after intrusions of volcanic debris into the stratosphere. Scientists have predicted that while such decreases are small, if they persist for long periods, global cooling



NOAA Corps Lt. John Bortniak (left, with beard) briefs visitors, including NOAA Administrator Richard A. Frank (dark checkered shirt), at NOAA's South Pole Clean Air Monitoring Station.

could result.

Measurements of total atmospheric ozone, freons and the erythema spectrum of solar energy are also made at these observatories. Such measurements will be used to verify model calculations that effluents from aerosol cans and refrigerants may destroy ozone mole-

cules in the high atmosphere. Destruction of ozone in this way would result in an increase of ultraviolet solar radiation (erythema spectrum) reaching the surface. Such high energy solar radiation is responsible for sunburns and increased dosages may be linked to incidence of skin cancer.

## Droessler (From p. 1)

A graduate of Loras College and the U.S. Naval Post Graduate School, Droessler was a Fulbright Fellow in meteorology at the University of Oslo. He received an honorary Doctor of Science degree from Loras College in 1958.

Droessler began his science career as a meteorological officer in the U.S. Navy during World War II, and then was with the Office of Naval Research and the Office of the Secretary of Defense. In 1958 he joined the National Science Foundation as Head of the Section on Atmospheric Sciences.

In 1963 Droessler became a Visiting Research Fellow at the University of Sydney in Australia, and in 1966 joined the State University of New York.

He is a member of a number of professional organizations, including the American Academy of Arts and Sciences, the American Geophysical Union, and the American Meteorological Society, and has chaired a variety of committees in those organizations. Also, he has served on the Boards of numerous other professional and civic organizations.

### New Address For NHEML

New address for the National Hurricane and Experimental Meteorology Laboratory, formerly located on the University of Miami campus, is:

NHEML/NOAA  
Gables One Tower, Rm. 613  
1320 S. Dixie Highway  
Coral Gables, Fla. 33146

## May Symposium Set On Mapping And Surveying

The American Congress on Surveying and Mapping, Interdivisional Committee on Marine Surveying and Mapping, with cooperation from the Bureau of Land Management, is sponsoring a symposium May 21-24, 1979 at the Hotel Roosevelt, New York.

The symposium will address the legal aspects, surveying techniques, mapping requirements, and map user concerns in the coastal zone from Virginia to Maine.

One day will be devoted to Federal and State measurement, mapping and management activities; the second day will see

## Hull Heads New Office (From p. 1)

the establishment and operation of the network of tide and water level stations, conducts tidal surveys for mapping seaward boundaries, and compiles and provides oceanographic data and tide and current predictions for use in marine navigation, civil engineering and for solutions of environmental problems.

Hull, of the NOAA Corps, was formerly chief of the Oceanographic Division, NOS Marine Surveys and Maps. His assignments have included photogrammetry and hydrography, and he has served aboard the NOAA ships Pioneer, Lester Jones, Oceanographer, Bowie, and Mt. Mitchell, having com-

manded the latter two. manded the latter two.

a study of the legal issues encountered in defining and managing the coastal zone; while the third day will be devoted to technical issues regarding near and offshore surveys and positioning.

For more information contact: Lt. Cdr. John E. Chubb, USN DMA Hydrographic/Topographic Center Attn: PPII Washington, DC 20315 Tel: (202) 227-2064

manded the latter two.

Hull received a B.S. in civil engineering from Oklahoma State University and a M.S. from Cornell. Immediately following graduation, he joined the Commissioned Corps of the U.S. Coast and Geodetic Survey, the predecessor of the NOAA Corps.

## NOAA NEWS

Published biweekly at Rockville, Md., by the Office of Public Affairs for the information of employees of the Commerce Department's National Oceanic and Atmospheric Administration.

Articles to be considered for publication should be submitted at least 10 days in advance to NOAA News, Room 108, Rock-Wall Bldg., Office of Public Affairs, National Oceanic and Atmospheric Administration, Rockville, Md., 20852.

NOAA News reserves the right to make corrections, changes or deletions in submitted copy in conformity with the policies of the paper or the Administration.

Norma V. Reyes, Editor  
Warren W. Buck, Jr., Art Director

## Grocery Chain Adopts Seafood DOC Inspection

A voluntary inspection program conducted by the National Marine Fisheries Service aimed at assuring quality fresh seafood products has been adopted by the largest retailer owned supermarket cooperative in the United States.

Wakefern Food Corporation, Elizabeth, N.J., with 186 Shop-Rite stores in Connecticut, Massachusetts, New York, New Jersey, Delaware, and Pennsylvania, will be the first supermarket chain permitted to place a Department of Commerce Inspection mark on its full variety of fresh fish and shellfish. The round mark attests that the "Packed under Federal Inspection" product has been found to be safe, wholesome, and of good quality at the time it was packed or received by Wakefern for distribution at its 93-acre distribution facility.

Those products that meet the DOC Grade A standards also will bear the mark. DOC seafood inspectors will monitor the product in the stores to assure quality maintenance.

Shop-Rite stores serve some 7-1/2 million people each year. Annual sales of fresh seafood products by the Shop-Rite stores have grown from approximately 200,000 pounds a year in 1973 to over three million pounds representing \$5 to \$6 million in retail sales in 1978.

### New Station Helps The Deaf

Deaf people can now call in data requests to EDIS, National Geophysical and Solar-Terrestrial Data Center. A new teletype station recently installed by the Center also enables deaf employees to contact the office by telephone from home and to communicate with their counselors and other teletype stations from the office. The teletype station telephone number will be listed in a directory used by the deaf.

## Special Winter Olympic Weather Team Formed

A team of meteorologist with personal experience and interest in winter sports has been formed by NOAA to provide weather support to the U.S. Winter Olympics Committee as it prepares to host the 1980 Winter Olympics at Lake Placid, N.Y.

Four weathermen — three from NOAA's National Weather Service and one from the New York State Department of Environmental Conservation — established a temporary weather office in Lake Placid at the time of the World Cup ski races and other national and international competition this month, and again during the Olympics in the winter of 1979-80.

NOAA was asked by the U.S. Committee to provide weather forecasting support in view of



**Gordon Tait**

the fact that the competition this winter and the Olympics next winter are expected to attract hundreds of thousands of spectators to the Lake Placid area.

"While weather conditions are, of course, of great importance to winter sports activity," Gordon Tait of Philadelphia, head of the NOAA forecasting team, said, "the overwhelming reason for providing this service has to do with public safety."

The 150-square mile area of the Adirondack Mountains in which the four sites for Olympic events lie has a great variety of weather conditions at any given time, according to Tait. "It is not uncommon to have sunshine, snow, and freezing rain occurring in the immediate Lake Placid area all at the same time."

He pointed out that the

numbers of spectators expected, as well as Olympic Committee arrangements for handling them, call for frequent short-range, small-scale forecasts. This, he said, enables highway snow removal crews, state and local

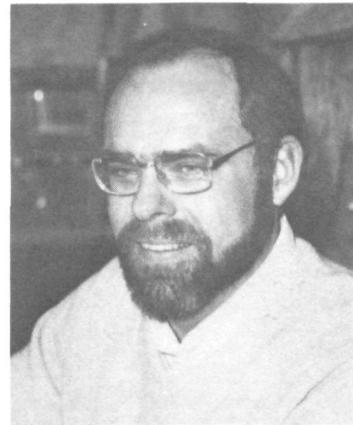


**Jack May**

police, and other authorities to operate at greatest efficiency.

The team, operating from temporary quarters in the Lake Placid Arena as a satellite operation of the National Weather Service's forecast office in Albany, is also providing meteorological information to competitors in the winter games.

"Weather is a vital ingredient in winter sports, not only determining whether or not events should be held or cancelled, but also what techniques the competitors adapt," Tait said.



**Steve Harned**

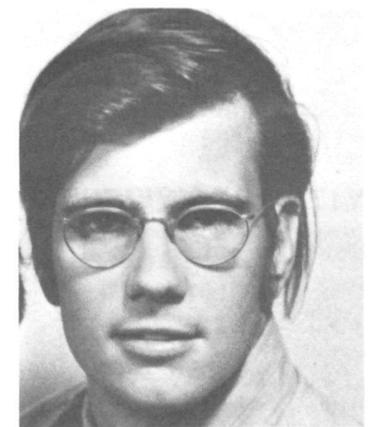
Serving with Tait, are Jack May of the Cleveland office, Steve Harned of the Raleigh, N.C., office, and Richard Taylor, a New York state meteorologist. All four volunteered for the temporary assignment and are accomplished amateur skiers themselves.

Tait has been a lead forecaster with the National Weather Service Forecast Office

in Philadelphia since 1970. Prior to that, he was a meteorologist with the Department of Defense for 10 years, a research meteorologist with Lockheed Aircraft Corp., and an Air Force weather officer. He was graduated from Ursinus College in Collegeville, Pa., with a B.A. degree in mathematics, and did advance study in meteorology at Oklahoma A&M University and Penn State University.

May joined the National Weather Service in 1974 as a meteorology intern at the Albany, N.Y. forecast office. He served in the same position at the Raleigh-Durham, N.C., office, and as a forecaster in the Portland, Me., office before moving to Cleveland in early 1978. He received a degree in aeronautical meteorology from Parks College of St. Louis University in 1973.

Harned received his meteorology degree from Florida State University in 1970. After three years in the Navy as a meteorology officer, he joined the National Weather Service as a meteorology intern at the Lubbock, Tex., office. From 1975 until early 1978 he was at Weather Service headquarters in Silver Spring, Md., in the Public Service Branch, and now is the forestry weather focal point



**Richard Taylor**

forecaster at the Weather Service office serving Raleigh and Durham, N.C.

Taylor is one of six New York State meteorologists assigned to the Air Resources Division. He attended Vermont Academy in Bellows Falls, Vt., and received his degree in meteorology from Belknap College in Center Harbor, N.H.

# NOAA's 1979 Federal Women's Program Advisory Committee

*Elected by the employees, the FWPAC helps NOAA direct its efforts to improve the status of women.*

## OFFICE OF THE ADMINISTRATOR



Biliana Cicin-Sain, Representative and Committee Chairperson



Louise Buszka, Alternate

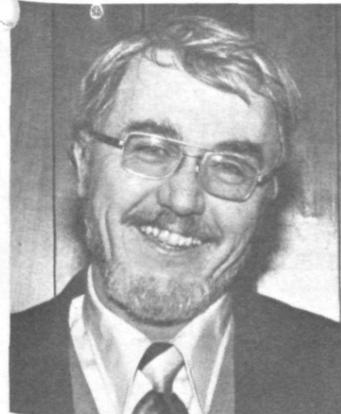


Maggie Horne, Representative and Committee Vice-chairperson



Kathryn Hensley, Alternate

## OFFICE OF FISHERIES



Earl Laws, Representative

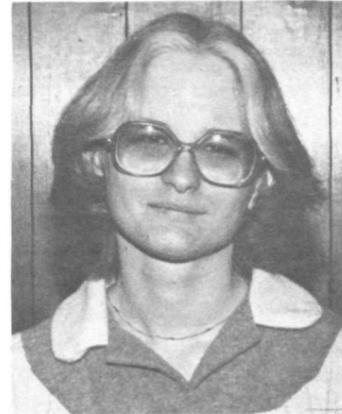


Mildred Corbin, Alternate

## OFFICE OF RESEARCH AND DEVELOPMENT



Margarita Roque Williams, Representative



Barbara Brenkworth, Alternate

## OFFICE OF ADMINISTRATION

## OFFICE OF OCEANIC AND ATMOSPHERIC SERVICES



Sally O. Jones, Representative



Katherine B. Clements, Alternate

## NATIONAL OCEAN SURVEY



Carol Auer, Representative and Committee Secretary



Beatrice Drennan, Alternate

## NATIONAL ENVIRONMENTAL SATELLITE SERVICE

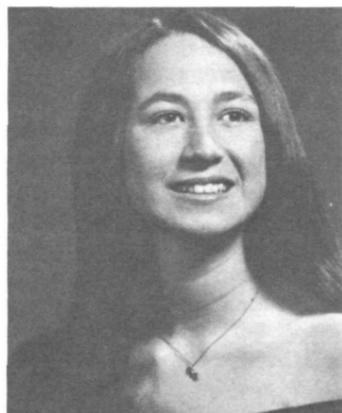


Mary Wyvill Hughes, Representative



Helen Hamlett, Alternate

## NATIONAL WEATHER SERVICE



Patrice Ferry, Representative and Committee Secretary  
James Kemper, Alternate

## OFFICE OF COASTAL ZONE MANAGEMENT



Sallie Cauchon, Representative  
Marion Cox, Alternate  
Evelyn Wallace, Member

## ENVIRONMENTAL DATA AND INFORMATION SERVICE



Marjorie Shaughnessy, Representative



Marjorie London Roames, Alternate



Josephine Moss, Member



Ellen S. Overton, Federal Women's Program Manager

# Handicapped Aided By New Laws In Federal Employment

Legislation enacted during 1978 has significant impact on Federal employment programs for handicapped persons, including disabled veterans. Also, as part of the President's equal employment opportunity reorganization, responsibility for monitoring Federal agency affirmative action program plans on the hiring, placement and advancement of handicapped persons, and for the development of uniform standards and procedures by Federal departments and agencies, were transferred to the Equal Employment Opportunity Commission in January. The transfer of EEO enforcement functions includes activities related to the enforce-

ment of statutory prohibitions against employment discrimination because of handicap.

The EEOC was designated as CoChair - along with the Secretary of the Department of Health, Education, and Welfare - of the Interagency Committee on Handicapped Employees (ICHE). The cochairmanship was formerly vested in the Chairman of the Civil Service Commission. The secretariat of the ICHE also was transferred to the EEOC.

Under the Civil Service Reform Act, agencies were authorized, beginning in January, to employ interpreters for deaf employees and reading assistants for blind employees. Previously, such assistants were unpaid, or

were paid by the handicapped employee or from funds from private organizations.

Within the Office of Personnel Management, the Office of Selective Placement will con-

tinue to carry out leadership responsibilities in the development of sound Federal personnel management practices with relation to the employment of handicapped persons.

## Sections Of Civil Service Reform Act Included In Federal Register

The Jan. 16, 1979 issue of the Federal Register contains Office of Personnel Management (OPM) (formerly Civil Service Commission) regulations implementing, in part, the Civil Service Reform Act. Specifically the Register contains regulations concerning probationary periods; adverse actions based on performance; adverse actions

based on cause, acceptance of volunteer service; performance appraisal. It also contains other information referring to basic concepts and definitions.

The Jan. 19 issue contains regulations on temporary and term employment and the coverage and procedures of the Merit System Protection Board.

The OPM is issuing regulations in the Federal Register as interim documents to permit an orderly transition from old systems to those newly enacted. Many are effective upon publishing. But, while effective, comment will be entertained by OPM.

Each personnel office will have a copy of the Register or the Federal Personnel Bulletin containing the new regulations. They are, and will be, available for review by employees, and any employee may initiate comment. Each regulation contains the organization of the OPM to which written comment may be forwarded. The deadline for those cited is March 12, 1979. This article is for the purpose of alerting employees of their rights to review and comment on the regulations and to provide notification of those regulations recently issued. Further notices will be made upon other regulation issuances. It is suggested that employees contact their servicing personnel offices for information on areas of the Act which are of specific interest.

## NOAA Personnel Division Lists Current Vacancies

Announcement Number	Position Title	Grade	Organization	Location	Issue Date	Closing Date
ER-79-7(SB)	Hydrologist	GS-12	NWS	Cincinnati, Oh.	2/22	3/8
NER-79-3(LJA)	Supervisory Fishery Biologist (Research)	GS-12/13	NMFS	Sandy Hook, N.J.	2/22	3/8
NER-79-2(LJA)	Supv. Fishery Biologist (Research)	GS-13	NMFS	Woods Hole, Mass.	2/22	3/8
NWS-78-79(LS)	Electronics Engineer	GS-12	NWS	Silver Spring, Md.	2/22	3/8
WR-79-18(DD)	Meteorologist (Leading Forecaster)	GS-13	NWS	Great Falls, Mont.	2/27	3/13
WR-79-17(DD)	Supervisory Meteorologist	GS-12	NWS	Spokane, Wash.	2/27	3/13
WR-79-16(DD)	Electronics Technician	GS-10 promotion potential GS-11	NWS	Las Vegas, Nev.	2/27	3/13
ER-79-8(SB)	Meteorologist (Leading Forecaster)	GS-13	NWS	Albany, N.Y.	2/27	3/13
SER-79-9	Food Technologist	GS-09	NMFS	Charleston, S.C.	2/27	3/13
AR-79-30(IH)	Meteorological Technician	GS-09 (May be filled at a lower grade)	NWS	Yakutat, Ak.	2/28	3/14
WR-79-19(DD)	Electronics Technician (Senior Elec Tech)	GS-10	NWS	Tucson, Ariz.	2/28	3/14
NESS-79-11(WL)	Supv. Physical Scientist (Manager, Command & Data Acquisition Station)	GS-15	NESS	Wallops Island, Va.	2/28	3/14
HQS-79-27(AVP)	Secretary (DMT)	GS-6	ADMN	Washington, D.C.	2/28	3/14
AR-79-31(IH)	Meteorologist (Intern)	GS-5/7/9	NWS	Anchorage, Ak.	2/28	3/14
ER-79-6(SB)	Supervisory Meteorologist (Deputy Meteorologist in Charge)	GS-14	NWS	New York, N.Y.	2/22	3/15
NOS-79-14-DB	Supervisory Cartographer	GS-12	NOS	Silver Spring, Md.	3/5	3/19
NWS-79-18(GZJ)	Computer Systems Analyst	GS-11 or 12	NWS	Suitland, Md.	3/5	3/19
NER-79-4(JMZ)	Financial Assistance Officer	GS-13	NMFS	Gloucester, Mass.	3/5	3/19
CR-79-13(MM)	Supervisory Meteorologist (Meteorologist in Charge)	GS-12	NWS	Lansing, Mich.	3/5	3/19
SR-79-12(RH)	Electronics Technician (Senior ET)	GS-10 promotion potential to GS-11	NWS	Corpus Christi, Tex.	3/5	3/19
NASO-79-06(LMN)	Fishery Biologist (General)	GS-11/12	NMFS	Juneau, Ak.	3/5	3/19
NWS-79-13(BJJ)	Meteorologist	GS-13	NWS	Silver Spring, Md.	2/28	3/21
NWS-79-13(BJJ)	Meteorologist	GS-13	NWS	Silver Spring, Md.	2/28	3/21
AMC-79-3(CCG)	Supervisory Cartographer (Photo)	GS-13	NOS	Norfolk, Va.	3/5	3/26
ERL-79-3PD	Electronics Technician (Communications)	GS-10 promotion potential to GS-11	ERL	Boulder, Colo.	3/22	7/30

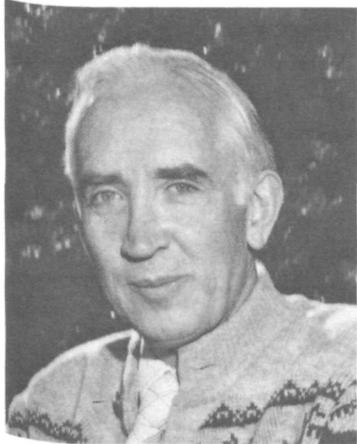
### Tax Note

Employees who are subject to state tax withholdings for the State of Utah may notice a minor change in their tax for salary checks dated on or after Feb. 21.

## NOTES ABOUT PEOPLE

Dr. Gordon C. Little, Director of NOAA's Wave Propagation Laboratory, has been named chairman of the U.S. Committee for the International Union of Radio Science (URSI).

The appointment, made by the National Research Council, the principal operating agency of the National Academy of Sciences and the National



**Dr. Gordon C. Little**

Academy of Engineering, is for a three-year term which began Jan. 1, 1979.

URSI was formed in 1919, one of 17 world scientific unions, to promote the scientific study of radio communications. As chairman of the United States National Committee for URSI, Little will become an ex-officio member of the Academy's Geophysics Research Board, and Committee on Radio Frequencies.

Capt. John D. Bossler, Deputy Director of NOS' National Geodetic Survey and project manager for the Read-

### Books Needed

Meteorology related professional journals and books are needed by NOAA's Visiting Professor of Meteorology at Jackson State University, Dr. Keith W. Johnson. They will be used in a pilot program to introduce undergraduate meteorology subjects at the predominately minority school.

Johnson may be reached at 601/968-2566 or by writing to him at Jackson State University, Jackson, MI 39217.

justment of the North American Datum, was recently elected a member to the U.S. National Committee for the International Union of Geodesy and Geophysics (IUGG) for a four-year



**Capt. John D. Bossler**

period ending June 1982. Bossler, who has written many papers in geodesy and photogrammetry, was a recent recipient of the Heiskanen Award from the Ohio State University for his achievements in the field of geodesy.

Dr. Katie W. Byrd has joined NWS as an Equal Employment Opportunity Coordinator. She worked in Huntsville, Ala., at Redstone Arsenal for the past several years in several positions,



**Dr. Katie W. Byrd**

including education specialist, training instructor (Missile Electronics), EEO specialist, as well as EEO officer. She has received citations for outstanding community service and outstanding performance in equal employment opportunity.



**Capt. Charles H. Nixon**

NOAA announced recently the appointment of Capt. Charles H. Nixon as Commanding Officer of the research ship Discoverer.

Nixon has seen service aboard seven vessels of the NOAA fleet, including command of two of the ships, since he became a commissioned officer in 1959 in the NOAA Corps. His most recent assignment was Chief of Operations at NOAA's Atlantic Marine Center, Norfolk, Va.

The Discoverer is currently conducting a two-month Eastern Pacific ocean climate study in international waters. The ten million dollar floating laboratory is carrying a complement of about 110 officers, scientists, and crew.

Transferred to NOAA's Pacific Marine Center, Seattle, from her home port in Norfolk,

Va., in 1975, the 303-foot, 3,959-ton Discoverer has assisted in the environmental studies required for the exploration and development of oil and gas resources in the Gulf of Alaska and the Bering and Beaufort Seas. Last year she participated in NOAA's Outer Continental Shelf Environmental Assessment Program off the coast of Alaska.

Nixon, has a civil engineering degree from the University of Massachusetts, 1959.

Bernard W. McKendree, Jr., NWS, is the new chief of the Communications Division's



**Bernard W. McKendree, Jr.**

Systems Monitoring and Coordination Center in Suitland. As chief of SMCC, he manages and directs the activities of a computer center which serves as the national control center for the AFOS network. He began his career with NWS in 1974 after holding various positions at NASA.



**R. Adm. E. A. Taylor (right)**, Director of NOAA's Pacific Marine Center, recently assumed the position of president of the American Military Engineers Seattle Post. Outgoing president, **Capt. Fred Herzberg, USCG (Ret)**, presents the Post's charter to Taylor. The Charter, dated June 15, 1920, is signed by **Leo O. Colbert**, who was Director, U.S. Coast and Geodetic Survey, from 1938 to 1950.



**QUICK OLD FASHIONED FISH DINNER-IN-A-POT**

- |   |  |
|---|--|
| 1 pound cod, or other thick fish fillets, fresh or frozen | 1/2 teaspoon basil                               |
| 6 cups hot water  | 1/2 teaspoon oregano                             |
| 6 chicken bouillon cubes                                  | 1/8 teaspoon pepper                              |
| 1 cup thinly sliced peeled carrots                        | 1 can (4-1/2 ounces) sliced mushrooms, undrained |
| 2 medium onion, cut into eighths                          | 1 peeled tomato, cut into eight wedges           |
| 2 tablespoons cornstarch                                  | 2 tablespoons sliced stuffed olives              |
| 1/4 cup cold water  | Sour cream for garnish, optional                 |
| 2 cups broccoli pieces, flowerettes and stems             |  |

Thaw fish if frozen; cut into 2-inch squares. Combine hot water, bouillon cubes, carrots, and onions in a Dutch oven. Bring to a boil. Cover and cook just until carrots are tender. Combine cornstarch and cold water; stir until free of lumps. Add to hot liquid, stirring constantly. Cook, stirring constantly, until cornstarch is cooked. Add broccoli, basil, oregano, and pepper and cook uncovered 5 minutes. Add fish squares, mushrooms, tomato, and olives; stir carefully to mix. Cover and cook until fish flakes, 5 to 8 minutes. Spoon into soup dishes. Top each serving with a dollop of sour cream, if desired. Delicious served with toasted French bread slices. Makes about 10 cups, 6 to 8 servings.

**BEST FISH BUYS**

According to the NMFS National Fishery Education Center in Chicago, the best fish buys for the next week or so are likely to be frozen turbot and cod fillets along the Northeast Seaboard; fresh whole fluke and fresh whole whiting in the Middle Atlantic States, including the D.C. area; fresh whole mullet and Spanish mackerel in the Southeast and along the Gulf Coast; frozen cod and ocean perch fillets in the Midwest; fresh cooked Dungeness crab and canned tuna in the Northwest; and frozen sole fillets and frozen squid in the Southwest.

**Southern School Consortium Gets Sea Grant Funds**

A major effort to introduce marine education on a broader scale within the school systems of Mississippi and Alabama will be undertaken by the Mississippi/Alabama Sea Grant Consortium this year under a \$785,000 NOAA grant.

The program will concentrate on meeting the needs of minority, underprivileged, and handicapped children, on introducing an undergraduate marine science fellowship program at Talladega College, and in introducing marine educational materials in grades kindergarten through 12. The three educational projects are among 21 to be funded by the grant.

Ten institutions participate in the Consortium's program — Auburn University, the Gulf Coast Research Laboratory, Mississippi State University, the University of Alabama, the University of Alabama at Birmingham, the University of Mississippi, the University of South Alabama, the University of Southern Mississippi, Tuskegee Institute, and Jackson State University.

Other schools recently receiving grants for their Sea Grant programs are:

The University of Southern

**Help Needed**

NOAA employees are asked to include a mail routing code to the return address of all mail sent, as required by NOAA Directives Manual 61-50.

Large, overstuffed envelopes or packages occasionally break open while being mechanically processed in Postal Service bulk mail centers and the contents often separate and become intermingled with other broken mail. Since the centers can not frequently relate contents to the original covers, the envelopes or package labels are sent to the return address in order to determine the contents. This action can not be completed and mail pieces reconstructed by the Postal Service if the return address does not include a mail routing code.

California, \$530,000 to carry out a wide variety of projects, including a study of marine sand and gravel deposits in Santa Monica and San Pedro Bays for potential economic resources.

The Virginia Institute of Marine Science, \$695,400 to undertake, among other projects, a study of high mortality rates among blue crabs kept confined for the production of soft shell crabs, and to study the locations of stocks and blue crab larvae.



Attending the recent third meeting of experts of the U.S. and U.S.S.R. on systems of simultaneous warnings on tsunamis held in Golden, Colo.; LaJolla, Calif.; Honolulu, Hawaii; and ending in Silver Spring, Md. were: (l to r) Hal Loomis, NOAA, Joint Institute for Marine and Atmospheric Research; George Pararas-Carayannis, Gerry Dohler, Mark Spaeth, NWS; K. Sergeyeve, A. Lipovka, U.S.S.R.; Eddie Bernard, NWS; Erica Desbonnet, interpreter; V. Popov, A. Alekseyev, U.S.S.R.; Robert Harvey, Univ. of Hawaii, JIMAR; Lester Spielvogel, NOAA, JIMAR.

# **National Oceanic and Atmospheric Administration**

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