

## EDS Produces Geothermal Energy Maps

Detailed maps of geothermal energy sources in 12 or more Western States are being prepared for the U.S. Department of Energy (DOE) by EDS' National Geophysical and Solar-Terrestrial Data Center (NGSDC). The maps will help demonstrate the importance of heat from the earth's interior in meeting the future energy needs of the United States.

Two maps will be designed for each state to promote the use of geothermal energy as an alternate energy resource and to identify areas likely to yield such resources. They will also emphasize the occurrence of relatively low temperature resources which can be used in direct, non-electric heat applications.

One map will be designed to appeal to scientific and exploration personnel while the other will be for use by planners and non-specialists. Both maps will have "core" data presented in the same format. The "core" data will include: thermal spring and well temperatures; thermal spring and well geothermometer data; cities/towns; rivers and streams; township/range data; water bodies; known geothermal resource areas; and interpretation of resources. "Interpretations of resource areas" is one of the most important types of data because it indicates where geothermal resources (steam and thermal water) are most likely to be found in each State. Interpretations will be made by geothermal experts.

The first geothermal maps will be produced for Idaho. These will be printed in late 1978 followed within several months by maps for Arizona.

(Continued on p. 3)



After the long, cold winter. . .spring!

## Computer Contract Awarded

DOC has awarded a \$9.1 million, eight-year contract to Univac, Inc., of Minneapolis, Minn, for a new computer system for NOAA.

The new computer, a Univac 1100/42, has more than twice the capacity of NOAA's existing systems which it will replace; an IBM 360/65 and a CDC 6600. The new equipment will provide the support for the broad data processing requirements and widespread interactive telecommunications necessary for

NOAA's operations. It will also allow NOAA to take advantage of new computer developments such as increased real-time processing and expanded data base use.

NOAA's computer activities planned for the new system include payroll, personnel, budget, marine and geodetic data systems for NOS, data base support for EDS and the production of economic reports for NMFS.

Delivery of the equipment is expected in September.

## Five Coastal Impact Grants Awarded

Five grants totalling more than \$3 million for projects in Louisiana have been awarded under the Coastal Energy Impact

Program. The grants were awarded to help the State cope with actual or potential impacts from coastal energy activities.

### NEW WATER SUPPLY

New Orleans will receive a \$2.5 million grant for construction of a replacement for the city's 70-year-old system which pumps fresh water from the Mississippi River for use by the 600,000 residents. The new system will increase efficiency of

(Continued on p. 2)

### CORRECTION

Nominations for Departmental Gold and Silver Medal Awards, NOAA Awards, and the NOAA EEO Award are due in the NOAA Personnel Division, Attention: AD-453, on or before May 12

## Spanish Trawler Seized

A 150-foot refrigerated stern trawler from Spain was seized for the National Marine Fisheries Service on April 10, 80 miles off Nantucket Island, Mass.; only the second seizure in the Atlantic since the 200-mile Fisheries Conservation and Management Act went into effect a year ago.

The Costa de Noruega was boarded and taken to Port Newark, N.J., for legal action after NMFS observer James B. Murphy, on board the Spanish trawler since March 31, observed repeated violations of the 200-mile regulations.

The Coast Guard Cutter Vigorous, commanded by Cdr. Walter T. Leland, responded to Murphy's request for a boarding.

Murphy said the fishing vessel was fishing between 100 and 200 fathoms in waters reserved for lobster fishing, and that it repeatedly sailed through a so-called "fixed gear" area—a charted area where U.S. lobster fishermen had placed traps.

The seizure is the first to occur involving a ship which has an NNFS observer on board. Observers are placed on foreign vessels operating within the 200-mile zone.

After boarding it was determined nets the ship was using did not comply with 200-mile regulations. More than a dozen lobster traps were on the Costa de Noruega's decks, according NMFS Enforcement Agents Lawrence Callahan and Brad Romanoff who inspected the vessel upon its arrival at Port Newark on April 12.

A series of civil complaints were filed in the U.S. District Court in Newark on April 12. The ship and its crew were in quarantine at Port Newark until a hearing on the complaints was held.

## VIMS Awarded Sea Grant

Two new projects to improve oyster hatchery production are among studies to be supported at the Virginia Institute of Marine Science (VIMS) by a \$475,600 Sea Grant.

One project involves development of American oysters resistant to the fungus *Dermocystidium marina* through laboratory spawning and setting. These oysters would be made available to hatcheries as broad stocks whose offspring would be highly resistant to the fungus, especially in the high salinity areas of Chesapeake Bay.

Researchers also will design and test a setting tank for hatchery use incorporating a new type of collector developed in France which protects the young oysters from crab predation.

Other new projects funded by the grant include a study as to the cause of large mortalities among blue crabs occurring in

the production of soft crabs. Disease organisms and handling techniques used in the shedding process will be studied.

## Surveying Contract

NOAA has awarded a \$416,670 contract to the Cubic Western Data Corporation of San Diego, Calif., for a coastal surveying system to be used by NOAA fleet vessels.

The equipment will be used by NOS to determine the precise position of surveying ships in relation to permanent survey markers during hydrographic surveying and while acquiring oceanographic data. The equipment will be capable of operating in all geographic areas and arctic climates, as far as 230 miles (370 kilometers) from a shore station during the day and 143 miles (230 kilometers) at night.

### SECRETARIES WEEK - APRIL 24-28

THE FEDERAL WOMEN'S PROGRAM ADVISORY COMMITTEE HAS PLANNED HALF-DAY SESSIONS IN FIVE LOCATIONS ON THE ROLE OF THE SECRETARY.

## Releveling Agreement Approved

A \$750,000 cooperative agreement between NOAA and the Harris-Galveston Coastal Subsidence District for a new 1500-mile releveling project in the Houston-Galveston, Texas, area, has been approved.

Last surveyed in 1973, the three-month project by NOS will furnish critical elevation data that will be used to determine subsidence, which is when the land drops below its normal level. It also will serve as a basis for measuring subsidence in future years and for the regulation of groundwater withdrawal to end subsidence within the District.

The elevation data obtained from the survey will be of assistance to Federal, State, and local agencies, as well as many individuals and businesses which require accurate elevation data.

## Coastal Grants (Continued from pg. 1)

the overall water delivery procedure and will assure a potable water supply even in the event of damage from collision with increasing oil-related barge traffic in the river.

### RECREATIONAL LAND

The second grant, for \$383,972, will be used to develop 50 acres of recreational land in St Martin's Parish on the Lake Fausse Point Cut, including six acres of lakefront beach and a 30-acre island directly across from the beach. The area has served for many years as a natural swimming and recreation center, but its use has been limited by the cutting and dredging of several canals built for oil exploration.

Impacts from this coastal energy activity include a reduction in access to the site and an alteration of the area's environmental resources. St. Martin's Parish plans to build a park on the site and enhance its current use as a natural recreational area.

### PUMPING STATIONS

The third grant, for \$144,000, will be used to help build eight pumping stations to remove accumulated storm

water from levee-enclosed areas in Lafourche Parish to service population growth resulting from coastal energy activity.

### FRESH WATER STORAGE

In the city of Houma \$98,718, will be used to study whether fresh water can be stored in natural ground formations to furnish the city potable water during periods of high salinity in the regular water supply. The study is designed to reduce the effects of saltwater encroachment from the dredging of new channels to support offshore oil and gas activity in the area surrounding the Gulf Coast community.

### A NEW PORT

The final grant, for \$40,000, will be used to plan for the environmental, economic and social consequences that might occur as a result of development of a new port in West St. Mary Parish. The proposed port primarily would serve the oil and gas industry. It would be within three miles of the shoreline, on 1500 acres of land adjacent to the Gulf Intracoastal Waterway.

## NMFS Tests New Pasteurized Oyster Product

The NMFS Southeast Fisheries Center demonstrated a lightly heat-treated oyster product to oyster processors, shell-

fish industry associations and marketing representatives, and NMFS personnel from Industry and Consumer Services and

Safety Quality and Inspection Divisions.

The oyster product, which is being developed to answer a need for greater market diversification and increased utilization of standard oysters, has high microbiological quality and increased shelf life. Taste panelists who have tried the "pasteurized" product after deep frying have consistently been unable to tell the difference from fried raw oysters.

Attendees at the workshop were impressed with the taste and appearance of the heated oyster product when it was served fried and in cocktails.

The College Park Laboratory is in the midst of transferring its activities to a new location in Charleston, South Carolina. The work on development of oyster products and other shellfish will continue actively at the Charleston facility.



John Everett (left), NMFS Industry and Consumer Services, and Ed Tolley (center), Executive Director of the Shellfish Institute of North America, enjoy new oyster products.

## Georges Bank Data Under Study

The Marine Assessment Division (MAD) of EDS' Center for Experiment a Design and Data Analysis is conducting a study to synthesize available historical oceanographic and meteorological data for the Georges Bank area for the Department of Interior's Bureau of Land Management (BLM).

This study of the Outer Continental Shelf oil and gas lease area off the New England coast will be closely coordinated with field studies also being conducted in the area under BLM sponsorship.

## ESIC Tries New Computer Communication

EDS' Environmental Science Information Center (ESIC) has begun a new experiment to improve international communications via its computer conference system. The conference system is used to discuss issues as well as to exchange information. The first phase of the new experiment, initiated in January 1978, provides connections between EDS/ESIC, the International Oceanographic Commission (IOC) in Paris, France, and the Department of Fisheries and Environment in Ottawa, Canada. Future plans

### NOAA NEWS

Published bi-weekly 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 and the Administration.

Warren W. Buck, Jr., Art Director

## Bowheads Protected

# NMFS Publishes New Whaling Regulations

Final regulations controlling the subsistence hunt of bowhead whales by Alaskan Eskimos during 1978 were published by NMFS.

These regulations implement the limited aboriginal subsistence quota adopted by the International Whaling Commission (IWC). Effective March 20, Alaskan Eskimos must adhere to the bowhead whale quota of either 12 landed or 18 struck.

The regulations allocate the IWC quota among the affected villages—Kaktovik, Nuigut, Barrow, Wainwright, Point Hope, Kivalina, Gambell, Savoonga, and Wales—and provide that, once a village has achieved its

quota, it must cease whaling. If a village does not reach its quota, the remaining portion may be re-assigned to another village.

The regulations provide for licensing of whalers, prohibit whaling in a wasteful manner, and establish requirements for marking weapons.

In addition to the Federal regulations, the Alaska Eskimo Whaling Commission (AEWC) has prescribed regulations for its member whaling captains to assure that the equipment and whaling techniques used will complement the Federal regulations and will promote the use of the best means possible to reduce the number of whales that

are struck and not landed.

NOAA will implement a \$700,000 multi-year research program to determine the status of the bowhead whale stock. The Eskimos have agreed to assist in the program by allowing the research personnel access to the whales that are landed and permit them to take specimens. Eskimo whalers will continue to count whales after the hunt has ended and report the results to the research party. NOAA will assist in establishing additional research camps on the ice in response to a suggestion by the AEWC.

NOAA has made arrangements with a commercial company to investigate possible modifications and improvements in the weapons used by the Eskimos to reduce the number of whales that are stuck and lost due to improperly functioning weapons. A representative of the company visited the villages in March to instruct the whalers on the proper procedures to load the munitions and to demonstrate the use of the weapons. If the weapons need additional modifications, NOAA will fund additional development work needed on the weapons.

NOAA will provide eight electronic "pingers" and two tracking devices to at least two of the Eskimo whaling captains so that the research team can test the effectiveness of the tracking devices to follow whales that have been struck in order to facilitate recovery.

are to expand the system to include the Food and Agriculture Organization's Aquatic Science and Fisheries Information System (ASFIS) and national organizations in Germany, France,

and England. The system is considerably faster than communication by mail, provides a printed record, and, in contrast to telephone, does not require participants to be present.

## Geothermal

(Continued from pg. 1)

They are scheduled to be completed at a rate of about five states per year.

States participating in this effort include Alaska, Hawaii, Washington, Oregon, California, Idaho, Montana, Nevada, Colorado, Utah, Arizona, and New Mexico. Organizations involved in the production of the maps include the DOE, U.S. Geological Survey, State agencies (in some cases, organizations affiliated with State agencies), the

University of Utah Research Institute, the Los Alamos Scientific Laboratories, and other university groups.



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## Dr. Frank and OCZM Discuss Hurricanes



Neil Frank (right) after the presentation with Robert W. Knecht, (left), Acting Assistant Administrator for OCZM and Eileen Mulaney, Regional Manager for the Great Lakes Region.

Dr. Neil Frank, Director of the National Hurricane Center in Miami, Fla., recently gave a presentation on hurricanes to the staff of the Office of Coastal Zone Management. The presentation included a slide show outlining the hurricane hazard in coastal areas, the general lack of adequate development planning, construction practices, public awareness, and evacuation plans. A discussion on the relationship of coastal zone management and hurricane preparedness followed.

# NOAA Participates In D.C. Career Awareness Days

NOAA scientists, computer programmers, mathematicians, personnel specialists, and finance experts explained their occupations to an estimated 5,000 junior and senior high school students, teachers and counsellors at the Career Awareness Fair held in the D.C. Armory in March.

In addition to providing pamphlets and brochures on NOAA programs, NOAA representatives explained the kinds of studies and work experiences students should seek out to achieve success in their chosen field.

Over one hundred occupations were represented including

AID, Census, CIA, HUD, the D.C. Fire and Police Departments, IRS, NASA, the Smithsonian Institution, the Veterans Administration, Washington Gas Light Company, and XEROX. NOAA was represented by NESS, NWS, NMFS, NOAA Corps, NOS, the Office of Management and Computer Services, Personnel, and EDS.

The purpose of the fair was "to provide a greater exposure of minority youth to the various occupations that could lead to beneficial careers and to provide them an opportunity to talk, in depth, with role models in the various occupations."



NOAA employees man exhibit. . .



in both Spanish and English.



# NOAA Employees

## Receive

### Bronze Medals

Commerce Department Bronze Medals were awarded to 11 NOAA employees recently. They are: Aliene B. Beckham, NWS; Melvin T. Beecroft, NWS; Wallace R. Donaldson, NWS; Curtis K. Koran, NWS; David

M. Dressel, NMFS; Frank Hightower, Jr., NMFS; Cornelius R. Mock, NMFS; Malcom B. Moreau, NWS; Donald H. Oldmixon, NWS; Hilda Shugg, NMFS; and Helen R. Stafford, Admin.



Paul E. Woolard, Official-in-Charge of the Weather Service Office in Norfolk, Neb., was a DOC Bronze Medal recipient. NWS Central Region Deputy Director Bob Baskin (far right) is shown making the official presentation to Woolard and his wife, Marilyn.



Malcolm "Moe" Moreau, Substation Network Specialist at the Weather Service Office in Baton Rouge, La., a DOC Bronze Medal winner.

## Suggestion Awards Given for Variety of Ideas

Name	Amount	Suggestion
Bailey, Eugene R.	\$ 40	Trilateration Range and Range Rate System (Range Tone Processor)
Hunt, Martin	\$200	RF Change
Daniel, Dianne D. MacDiarmid	\$ 75	NOAA Publications Listing by Series/Author
Ernst, John A.	\$200	Fire Damage Minimization with Portable Helon Gas System
Tierney, John L.	\$ 50	Improvement of North America Surface Chart
Tierney, John L.	\$ 25	Improvement of Foreign Weather Information SVC
Clark, Glenn R. and Cope, Dennis B.	\$100 (ea.)	Data Collection System Status Indicator & Alarm
Rodriguez, Santos	\$200	S/DB LED Error Status Indicator
Scott, Barry L.	\$ 25	Power Safe
McCann, Michael E.	\$140	Modification of Report of Observations/Samples collected by Oceanographic Programs (ROSCOP) Processing
Brown, Dorothy A.	\$ 35	Service Order for Household Goods
Williams, Thomas P.	\$125	Four (4) Improvements to the CONDOR Program
Dinardi, Demetrio A.	\$ 50	Tide Prediction Diagrams or Tidal Current Prediction Diagrams
Bias, Anna Marie	\$ 25	Directory or Locator for NBOC #2 floors 2 and 3
Ward, Raymond A.	\$250	Replenishment Control Arms
Watson, Raymond L.	\$ 25	Extra Extension Phone for Tech. Control From FAX RCA FP55070 to RCA New York
McCown, Jack E.	\$ 35	Paper Tape Punch (ADDO)
Whitley, James N.	\$ 25	Manual Start for Code-a-Phone Interface
Sitarz, Walter A.	Letter of Commendation	Humanizing the Cooperative Ship Program
Kieffer, Kenneth E.	\$ 50	New System for Better Utilization of Tape Tester/Cleaner
Wontroba, William J.	\$ 25	Notification of down-time of NOAA Weather Radio
Bradstream, George J.	\$ 25	Modification of Radar Plotting Light Box
Nolan, Arthur J.	\$ 25	Protection of F611A Wind Retransmitters
Elias, Michael G.	\$ 50	Changes on WS-452-2
Barnicle, Robert G.	\$ 50	Winter Storm Terminology
Giacalone, Vito P.	\$ 50	Snow Shovels
Greco, William V. and Fracassi, Joseph G.	\$ 50 (ea.)	Public Safety Message for Fallout Data
Dietz, Gregory C.	\$ 50	Disconnecting unnecessary paper winding devices on teletype and facsimile machines
Lewis, William D.	\$ 50	FMH No. 1 Table for Determining Sky Cover, Midnight to Midnight (Column 79)
Braatz, Dean T.	\$ 50	Flash Flood Rainfall Observer Certificate
Reutlinger, Jerry	\$ 50	Low-Pass Filter to RCM
Poulson, George H.	\$100	Use of Strobe Light
Croghan, Charles L., Jr.	\$ 25	Introduction to NASO
Beam, Martin G.	\$ 50	Alteration of Loading Ramp
Haynes, Robert J.	\$ 25	Bilge Water Emergency Storage Tank

### Cooperative Program

## NOAA Helps Kids Learn of Oceans and Great Lakes

Six colleges and universities across the nation are cooperating in a NOAA-funded program to help public school children understand how the oceans and the Great Lakes affect their daily lives.

Said Dr. Ned A. Ostenso, director of the Office of Sea Grant: "The projects will give school children the chance, in some cases for the first time in their lives, to find out how they are affected by the oceans and

Great Lakes."

At the Stevens Institute of Technology, Hoboken, N.J., a \$17,500 grant has been made for a project that involves third-year high school students with superior though latent scientific aptitudes. The students will participate in classroom, laboratory, and field work designed to develop their interests and skills in marine science, engineering, and biology.

Another project, funded

through a \$50,000 grant to the University of Rhode Island, will provide a marine-oriented permanent education exhibit and resource center in an already existing museum at Roger Williams Park near Providence.

At the University of Michigan, environmental education and outdoor recreation specialists, working under a \$72,000 Sea Grant, will create a "curriculum package" to help teachers instruct students about

the largest freshwater system in the world.

Other projects include a \$26,900 program at the University of North Carolina for the state's public school teachers of the middle grades (four through eight), and a program at the University of Washington's Pacific Science Center supported by a \$31,000 Sea Grant to develop teaching materials in the marine sciences for junior and senior high schools in the area.

## NOTES ABOUT PEOPLE

Dr. Harris B. Stewart, Jr., Director of ERL's Atlantic Oceanographic and Meteorological



**Dr. Harris B. Stewart**

Laboratories in Miami, Fla., has been appointed President of the Florida Academy of Sciences for 1978/79.

Feodor Ostapoff, Director of the Sea-Air Interaction Laboratory at ERL's Atlantic Oceanographic and Meteorological Laboratories in Miami, Fla., has been appointed to chair the editorial board for the Global Atmospheric Research Program's Atlantic Tropical Experiment (GATE) oceanography atlas. The editorial board consists of representatives from the Soviet Union, France, the Federal Republic of Germany, and the United States

David C. Hogg, Chief of the Environmental Radiometry Program at the ERL Wave Propagation Laboratory in Boulder, Colo., has been elected to the National Academy of Engineering. The Academy announced the election of 100 engineers and 19 foreign associates. The election brings the total number

## OBITUARY

Mr. John W. Walsh, Jr., Weather Service Specialist, at the Weather Service Office in Beckley, W. Va., passed away, April 6. Walsh entered the NWS in 1968 at Fairbanks, Alaska. He was reassigned to the Weather Service Office Beckley, W. Va. in 1970, where he remained until the time of his death.

He is survived by his wife Lawanna H. Walsh and four children: Cheryl, John, William and [unclear]. Mrs. Walsh's address is: box 143, Coolridge, W. Va. 25825.

of academy members to 857 and foreign associates to 58.

Election to the academy honors those who have made important contributions to engineering theory or who have demonstrated unusual accomplishments in developing fields of technology.

George H. Schielein, formerly Lead Forecaster at the Weather Service Forecast Office in Washington, D.C., is the new Meteorologist in Charge at the WSFO in Pittsburgh, Pa.



**George H. Schielein**

Schielein began his Weather Service career in 1950 at Nantucket. He served at forecast offices in Hartford and Albany before transferring to Washington.

He has received numerous awards during his 30 years of service, including the Department of Commerce Silver Medal in 1973, the NWS Line Forecasters Honor List in 1972, and several Special Achievement Awards.

Walter Komhyr of the Environmental Research Laboratories has been invited to serve on the World Meteorological Organization's working group on the measurement of atmospheric ozone. Other members of the committee are from France, Canada, USSR, and New Zealand. Komhyr, chief of the trace gases monitoring group of the Air Resources Laboratories' Global Monitoring for Climatic Change program, specializes in the measurement of atmospheric trace gases that affect climate, and the development of instru-

mentation for ultraviolet radiation and trace gas and ultraviolet radiation measurements. He also is involved in the development



**Walter Komhyr**

and maintenance of various kinds of calibration standards for the measurement programs.

Dr. Walter J. Koss is the new Chief, Primary Data Branch, at

the Environmental Data Service's National Climatic Center in Asheville, N.C. Dr. Koss earned a



**Dr. Walter J. Koss**

bachelor's degree in mathematics and masters and doctorate degrees in meteorology from Florida State University. He began his professional career at NOAA's National Hurricane Research Project in Miami where he specialized in tropical meteorology research and mesoscale modeling.



A Special Achievement Award was recently presented to the Portland, Ore., subcommittee of the Northwest Region EEO Committee for their active awareness program which produced positive results. Receiving the award were (left to right) Douglas W. Dompier, Chairperson, Sally Cramer, and Robert Z. Smith.



Raymond H. Carstens, Deputy Division Chief of the NOS Marine Surveys Division in Rockville, Md., recently received his 40-year pin from NOAA Administrator Richard A. Frank. Carstens started his government career in 1931 with the Coast & Geodetic Survey (the forerunner of National Ocean Survey) and has been with the Survey ever since.

## FROM THE GALLEY



### TUNA WRAP UPS

- |  |  |
|--|--|
| 2 cans (6-1/2 or 7 ounces each) tuna       | 1 can (10-3/4 ounce) condensed Cheddar cheese soup |
| 1/2 package (10 ounce) frozen peas (1 cup) | 1/4 teaspoon salt                                  |
| 1/2 cup chopped onion                      | 2 cups prepared biscuit mix                        |
| 2 tablespoons margarine or cooking oil     | 1/4 cup milk                                       |

Drain and flake tuna. Cook peas and onion in margarine or cooking oil until tender. Stir in 1/2 cup of undiluted soup and salt. Fold in tuna. Prepare biscuit mix as directed on package. Knead dough about 5 times on lightly floured board. Roll into 12 by 9-inch rectangle. Spread tuna mixture evenly over biscuit mixture. Roll up jelly-roll fashion starting at narrow edge. Cut into 6 slices, about 1/2-inch each. Place slices in greased shallow 1-1/2 quart casserole. Bake in hot oven, 400° F., about 25 minutes or until dough is done and lightly browned. Combine remaining soup and milk; heat. Serve with tuna rolls. Makes 6 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 pollock fillets and canned tuna along the Northeast Seaboard; fresh whole fluke and fresh whole seabass in the Middle Atlantic States, including the D.C. area; fresh whiting fillets and fresh whole mullett in the Southeast and along the Gulf Coast; frozen fish portions and canned tuna in the Midwest; fresh Pacific red snapper fillets and frozen salmon steaks in the Northwest; and frozen rainbow trout and fresh butterfish fillets in the Southwest.

# NOAA, Coastal Commission Conduct Public Workshops

Four public workshops were held along California's coast this week to explain a Federal government marine sanctuary program, and to solicit the public's views on potential sanctuary sites.

## NOAA Women Hold Meeting

On April 10, the NOAA members of the Commerce Committee for Women sponsored the noon session "I Did It My Way." Lena Loman, Chief, Programming Support Section, NWS, and Myra Wells, Director Office of Personnel, Maritime Administration and formerly with NOAA Headquarters Personnel, provided attendees with insight on how they achieved their success in the Federal Government.

The next noon session is scheduled for May 10 in Room 926, WSC 5, Rockville. Bill George, Chief, Special Personnel Programs Branch, will discuss upward mobility opportunities within NOAA. Connie Zarbo, Chief, Upward Mobility Section, and Norma Hughes, Counselor and Personnel Management Specialist, will join the discussion. All employees are invited to attend.

The workshops, sponsored jointly by NOAA and the California Coastal Commission, are in response to requests that NOAA consider several offshore areas as possible marine sanctuaries. These include the waters off P. Reyes, Monterey, Santa Barbara, and San Diego.

Marine sanctuary legislation, adopted by Congress in 1972, allows the Secretary of Commerce, with presidential approval, to designate ocean areas as sanctuaries in order to preserve their special conservational, recreational, ecological, or esthetic values.

According to Samuel A. Bleicher, Director of NOAA's Office of Ocean Management, which oversees the program, sanctuaries are based upon the existence of distinctive marine resources whose protection and beneficial use require comprehensive, geographically-oriented planning and management.

**REMINDER**  
**DAYLIGHT SAVINGS TIME**  
**AGAIN**  
Remember to turn your  
clocks forward on April 30.



Participants in the Writing and Broadcast Seminar, held February 7-9, 1978, at NWS's Technical Training Center in Kansas City, Mo., were: (Standing, left to right) Frank Dillenkoffer, Instructor; Donald L. Finch, Anchorage, Alaska; James N. Bagnell, LaCrosse, Wisc.; Jack L. Canzonire, New Orleans, La.; Howard McGee, Richmond, Va.; Warren E. Sunkel, Topeka, Kans.; Alvin M. Samet, Miami, Fla.; Neal Marchbanks, Lubbock, Texas; Larry McEwen, Instructor. (Seated Left to Right) James H. Dew, Jr., Dayton, Ohio; Ray Brossard, Port Arthur, Texas; Gerald R. Turner, Pocatello, Idaho; Matthew Kulawiec, Seattle, Wash.; John C. Johnson, Nome, Alaska; Richard I. Crouthamel, Pittsburgh, Pa.; Carter Estes, Kansas City, Mo.; Paul Sell, Fort Wayne, Ind.; E. D. Diemer, Anchorage, Alaska.

# **National Oceanic and Atmospheric Administration**

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