



noaa week

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NOAA Sponsors International Reef Conference

An international conference on the significance of artificial reefs to the marine environment—the first of its kind—is scheduled to be held March 20-22 in Houston, Tex.

Cooperating sponsors of the unique event are: Texas A&M University Sea Grant Coastal and Marine Council, and NOAA. The National Marine Fisheries Service is helping coordinate the meeting through its Artificial Reef Task Group, headquartered at Beaufort, N.C.

Several hundred persons from various states, foreign countries and U.S. Federal agencies are expected to attend the event. Richard H. Stroud, Director of the Washington, D.C.-based Sport Fishing Institute, will

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First Coastal Zone Grants Awarded

Map Shows Seamounts Named for Scientists

A new National Ocean Survey map of the northeast Pacific seabed honors contemporary U.S. and foreign scientists by naming more than a score of undersea mountains after them. The seamounts are located 300 to 850 miles off the Oregon-Washington coasts, and at least four of them are a mile or more high.

The seamounts were discovered in 1971 by the NOAA Ship *Surveyor* and rise 3,000 to 5,950 feet above the sea floor in water two to three miles deep. Announcement of their discovery was made last March following an analysis by the NOS of data gathered by the ship over the approximately one million square miles surveyed.

Those honored for their contributions to the marine

sciences include 21 Americans, two Canadians, and three Japanese, some of whom participated in the 1971 expedition. The seamount names have been approved by the U.S. Board of Geographic Names and its Advisory Committee for Undersea Features.

Among those honored are Dr. William A. Nierenberg, Director of the Scripps Institution of Oceanography, University of California, La Jolla, and Chairman of the National Advisory Committee on Oceans and Atmosphere;

Dr. Athelstan Spilhaus, a leader in oceanic sciences and a Special Consultant on oceanic and atmospheric sciences to the NOAA Administrator;

Dr. Aaron L. Shalowitz, Washington, D.C., an authority on shore and sea boundaries, who retired in 1964 as Special Assistant to the Director of the Coast and Geodetic Survey (C&GS), predecessor of the NOS;

Donald McKernan, former Coordinator for Ocean Affairs, State Department, and past Director of the Bureau of Commercial Fisheries, now Director of Fisheries and Marine Sciences at the University of Washington;

Austin R. Gordon, Falls Church, Va., bathymetric mapping compiler and former Assistant Chief, Oceanographic Mapping Group, C&GS;

Rear Admiral Don A. Jones (NOAA ret.) Seattle,

(Continued on page 6)

Commerce Secretary Frederick B. Dent has announced the award of \$634,547 in Federal grants to Rhode Island, Maine, and Oregon to assist the states' development of coastal zone management programs.

The grants are the first to be made by NOAA under the Coastal Zone Management Act of 1972, to encourage effective management, beneficial use, protection and development along America's sea coasts and Great Lakes' shores.

The individual states are contributing a matching share of the coastal zone management funds, which, by law, must amount to one-third of the total program cost.

Large portions of the \$154,415 grant to Rhode Island's Department of Administration will support the activities of the state's Coastal Resource Management Council and the University of Rhode Island Coastal Resources Center. The state's first year of work under the coastal zone grant will include a resources inventory, a commercial fisheries survey, a sand and gravel extraction study, lease fees structure study, environmental impact guidelines, a socioeconomic baseline data compilation, shoreline use guidelines, a salt marsh quality analysis, an energy requirements study, a unique natural areas plan, a marine recreation study, and legal studies.

In Maine, the \$230,000 grant was awarded to the Office of State Planning and will support the work of the Departments of Marine Re-

(Continued on page 4)

W. H. Stevenson Named Director Of NMFS Southeast Region

William H. Stevenson has been named Director for the National Marine Fisheries Service's Southeast Region, headquartered in St. Petersburg, Fla. He succeeds Jack W. Gehringer, who recently was named Deputy Director of NMFS in Washington, D.C.

The Southeast Region is responsible for certain Federal fisheries activities in 17 states and South Atlantic waters plus Puerto Rico and the U.S. Virgin Islands.

Mr. Stevenson has served as manager of the NMFS

(Continued on page 4)



Mr. Stevenson

EDS, NMFS Help Develop Information System

In accordance with an agreement with the Food and Agriculture Organization (FAO) of the United Nations established in October 1973, NOAA became a partner in the development of Aquatic Sciences and Fisheries

Abstracts (ASFA)—a central component in the FAO concept of an Aquatic Sciences and Fisheries Information System.

NOAA's participation will be led by the Environmental Data Service with assistance from the National Marine Fisheries Service.

Robert R. Freeman, Acting Director of EDS' Environmental Science Information Center, and Dr. Elaine Collins, Chief of the Biology Section in EDS' National Oceanographic Data Center, are, respectively, member and alternate on the ASFA Advisory Board. ASFA is now an international cooperative effort to collect, ab-

stract, index, and disseminate references to the published literature of the marine sciences, presently with emphasis on marine biology, ecology, and fisheries.

Under the NOAA/FAO agreement, NOAA will provide coverage of all relevant scientific and technical publications published by NOAA or under NOAA sponsorship, as well as nearly a hundred marine-related law and economic periodicals. NOAA will also contribute to the development of a computer-searchable information file, a thesaurus for information indexing, and other aspects of a modern information system.

Group Examines Weather Services To Agriculture

The Agricultural Research Institute Panel on Agricultural Meteorology met February 19 and 20, at Purdue University, Lafayette, Ind., to examine the activities of Purdue's Laboratory for the Application of Remote Sensing (LARS) and review the agricultural weather service programs for Indiana. Dr. Terrell L. Noffsinger, Chief of the Special Weather Services Branch in the National Weather Service Weather Analysis and Prediction Division, is the NWS representative on the Panel. Members of the LARS staff discussed and demonstrated the use of remote sensing in its application to crop production assessment, soil classification, land use inventory and thermal mapping of water.

Later, the cooperative agricultural weather service for Indiana was discussed by the NWS Advisory Agricultural Meteorologist stationed at Purdue, Walter L. Stirm; Professor J.E. Newman and Dr. R. F. Dale of the Agronomy Department; and Dr. R.T. Huber of the Entomology Department. Panel members suggested that the weather services being provided to the agricultural economy of Indiana could very well serve as a model for service to other states.

Cardiopulmonary Resuscitation Course Taught AMC Employees Aboard Discoverer

A cardiopulmonary resuscitation course, sponsored by the Tidewater Heart Association, taught by Robert L. Smith of the City of Norfolk's Office of Emergency Planning and Civil Defense, was conducted in the NOAA Ship *Discoverer's* Oceanography Laboratory for all Atlantic Marine Center-based personnel.

The course, which lasted a total of six hours, attracted so many that two sessions

had to be conducted. It was attended by 43 employees from the various divisions and AMC-based ships with the idea in mind as suggested by AMC Director Rear Admiral Alfred C. Holmes, that the first minutes are the important ones for the patient. A number of graduates will be available in both AMC buildings or on the ships to administer resuscitation without loss of time.



Mr. Smith and Ensign S. J. Kott, the Assistant Instructor (without coat at left) watch as Allan Schugeld practices mouth-to-mouth resuscitation and Fred Patterson gives cardiopulmonary resuscitation.

Harold L. Goodwin Honored for Service In Aquatic Sciences

Harold L. Goodwin, Deputy Director of the Office of Sea Grant, has been awarded the American Littoral Society's James Dugan Memorial Award, presented annually for outstanding service in aquatic sciences. Mr. Goodwin was recognized for his pioneering efforts in organizing and implementing the National Sea Grant Program and for continuing to encourage young people to consider professional careers in marine science.

The award, presented to him by Dr. Eugenie Clark at the Society's annual meeting in New York City, was established in memory of James Dugan, Philadelphia writer ("We Beneath the Sea"; "Great Iron Ship"), who acted as American Agent to Captain Jacques Cousteau. Mr. Dugan was responsible for much of the growth in popularity in the United States, of oceanography, diving, and marine archaeology. He died in 1967.

noaa week

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DeRycke Appointed Executive Officer Mt Mitchell



Commander DeRycke

Commander Richard J. DeRycke is the NOAA Ship *Mt Mitchell's* new Executive Officer. A NOAA commissioned officer for almost 12 years, he has served aboard the *Peirce* and the *Ferrel*, the latter as Commanding Officer. His previous assignment was with the National Environmental Satellite Service in Suitland, Md. The *Mt Mitchell* is based in Norfolk,

Kelly Replaces Morrill At Data Buoy Office

Captain Joseph M. Kelly of Boston, Mass., has been appointed Deputy Director of the National Ocean Survey's national ocean buoy program. He will head a detail of Coast Guard officers who work with NOAA personnel on the program and provide ship and communications support. The civilian buoy program, established under the Coast Guard, was transferred to NOAA in 1970.

Captain Kelly will report to his new assignment about March 21, succeeding Commander P.A. Morrill, who was named Commanding Officer of the Coast Guard Cutter *Westwind*, a Milwaukee-based Great Lakes ice breaker.

Captain Kelly graduated from the Coast Guard Academy in 1953, and also holds an engineering degree from Rensselaer Polytechnic Institute (1957) and a master's degree in business administration from North-

eastern University (1968).

Presently Training Officer and Executive Officer at the Coast Guard Training Center, Governor's Island, N.Y., his previous assignments have included those of Chief of Civil Engineering at the Fifth Coast Guard District, Portsmouth, Va., and First Coast Guard District, Boston; and Officer-in-Charge of construction units in the Pacific; on the USCGC *Storis*, Juneau, Alaska; and on the USCGC *Vance*, Honolulu.



Captain Kelly

Robert Cole Named Hurricane Center Deputy Director



Mr. Cole

Robert O. Cole has been selected as Deputy Director of the National Weather Service's National Hurricane Center at Miami, Fla.

He entered the Weather Service in 1948 after duty in the Air Force, and in his 17 years at the National Meteorological Center he served in a number of positions. He became Meteorologist in Charge at Jackson, Miss., in 1972 and more recently has been head of the Southern Region Weather Warning Coordination Center at Fort Worth.

In 1971 Mr. Cole was awarded the Commerce Department Silver Medal for his outstanding work in modifications and utilization of numerical guidance in daily forecasting.

Labor Agreement Covers Two NOS Aero Chart Divisions

A new three-year labor-management agreement has been signed between NOAA's National Ocean Survey and Local 2640 of the

American Federation of Government Employees. The local represents non-supervisory employees in the Reproduction and Distribution

Divisions of the NOS Office of Aeronautical Charting and Cartography. This is the fourth renewal of the agreement with Local 2640.



(Seated, from left) Robert B. Swink, President, AFGE Local 2640; Rear Admiral Allen I. Powell, Director, NOS; F.O. Diercks, Associate Director, AC&C; (standing, from left) John Mulholland, Chief of Contracts, AFGE, representing Clyde M. Webber, National President, AFGE; Palmer Rutledge, Reproduction Division; Major Travis, Vice President, 14th District, AFGE; Edward Trott, Reproduction Division; Nicholas Sampogna, Assistant Chief, Reproduction Division; Morris R. Jones, Chief, Distribution Division; Ralph Reeder, Chief, NOAA Personnel Division; and Melvin M. Gienau, Chief, Reproduction Division.

NCC Photo Lab Cooperation Speeds Apprehension Of Bank Robbery Suspect

The Environmental Data Service's National Climatic Center in Asheville, N.C., was indirectly responsible for the swift apprehension of a suspect in a Bank of Asheville robbery, Feb. 25. The Photographic Laboratory at the center was called upon by the FBI to process film taken during the robbery. Selected photographs were printed in the local newspapers and the prime suspect was located in Los Angeles in less than 72 hours.

Seminar Held for NMFS Northeast Region Inspectors



Attendees at the recent Northeast Regional Fishery Products Inspection seminar in Gloucester, Mass., were (seated from left) Carl E. Grant, Supervisor, Chicago, Ill.; Melvin Mitchell, Boston, Mass.; Robert C. Pierce, Houston, Del.; Clarence Martin, Lowell, Mass.; James Brazier, Lowell, Mass.; Raymond Horton, Gloucester, Mass.; John Casamassimo, New York City, N.Y.; Robert J. Buckley, Camp Hill, Pa.; and (standing from left) Daniel Alves, New Bedford, Mass.; Vernon Rix, Gloucester, Mass.; Philip J. McKay, Chief, Gloucester, Mass.; Eugene Johnson, Wethersfield, Conn.; Donald Maher, Research

& Inspection Division, Washington, D.C.; John Ryan, Gloucester, Mass.; Herbert Erskine, Cleveland, Ohio; David Sabbagh, Cleveland, Ohio; Irving D. Sackett, Research & Inspection Division, Washington, D.C.; Edward Quigley, Gloucester, Mass.; Lawrence Cambridge, Md.; Frank Piraino, Blue Anchor, N.J.; Earl C. Johnson, Supervisor, Gloucester, Mass.; Thomas Aloise, Portsmouth, N.H.; Charles Green, Gloucester, Mass.; John Lake, Gloucester, Mass.; Benner, Rockland, Maine; and Thomas J. Moreau, Supervisor, Gloucester, Mass.

First Coastal Zone Grants Awarded

(Continued from page 1)

sources, Inland Fisheries and Game and Conservation in addition to the University of Maine, the Historic Preservation Commission, five Regional Planning Commissions, and the Portland Council of Governments. The first year work program is based upon three major program elements each comprising several tasks. The first element, a land and water capability analysis, includes aerial photography, and interpretation, a mapping program involving resource interpretation and atlas maps, natural resource data compilation, socio-economic data analysis and planning, planning reports preparation for the "Down East" region, and a critical areas program for southern coastal Maine. The second element involves studies of fisheries and aquaculture and characteristic biological assemblages, and ponds and wetlands. It also includes socio-economic data analysis, lake resource analysis, estuarine classification by physical characteristics, hydrology, surficial and bedrock geology data compilation, and a historic and archeological inventory. The last work element is a

local and regional citizens participation program which includes a resources inventory, alternative futures preparation, and a public opinion polling program.

Administered by the Land Conservation and Development Commission, a major portion of Oregon's \$250,132 grant will support operations of the state's Coastal Conservation and Development Commission. The year's work program includes the development of alternative implementation programs for the coastal zone management plan, an evaluation of land and water use development pressures on coastal natural resources and a study of planning and regulation in the coastal region. Also planned is a series of resource inventories covering coastal fish and wildlife, estuaries, lakes and streams, floodplains, coastal shorelands, geological hazards, and uplands, including an analysis of visual assets of the coastal zone and a study of water-related opportunities. Final elements include collection of basic environmental data, the development of recommendations for an information storage and retrieval system, and a public information program.

54 Million Charts Sold

During the last fiscal year, the National Ocean Survey distributed approximately 54 million aeronautical and nautical charts and related publications. Of these, 49 million were aeronautical charts. In the 1939 fiscal year, the number of aeronautical charts distributed (342,000) exceeded, for the first time in the agency's history, the number of nautical charts issued (324,000). Nautical charts have been issued since 1844, aeronautical charts since 1930.

Judith Stoltz Dies

Judith Lee Stoltz, Secretary in the Oceanographic Division of the National Ocean Survey, died on February 18 in Rockville, Md. She had served as Secretary to the Research Group in Physical Oceanography of the Office of Marine Surveys and Maps. She is survived by her husband, Richard S. Stoltz, and her parents, Mr. and Mrs. William Lee; and her sister, Linda Lee.

Stevenson Named NMFS Southeast Regional Director

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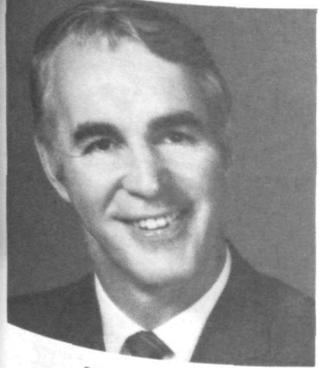
Southeast Fisheries Center's Fisheries Engineering Laboratory located at Mississippi Test Facility, Bay St. Louis, Miss., since September 1970. His responsibilities there included directing the fisheries functions of Skylab and Earth Resources Satellite Technology programs. Previously he was Chief of Exploratory Fishing and Gear Research in Washington, D.C.

A native of Philadelphia, Pa., Mr. Stevenson received his bachelor of arts degree in zoology from the University of Delaware. A Federal employee since 1962, he served in Recife, Brazil, from 1966 to 1968 as an advisor

for fisheries development in the Government of Brazil. Earlier he was manager of the University of Delaware Marine Biological Laboratory, and from 1953 to 1962 he worked in the fishing industry on gear development and assessment along the Atlantic coast.

His professional affiliations include the Marine Technology Society, the American Fisheries Society, the Mississippi Academy of Science, and the American Association for the Advancement of Science. He has published about a dozen papers dealing primarily with remote sensing and fishing gear development.

Rammer Appointed MIC at WSFO Great Falls, Mont.



Mr. Rammer
William A. Rammer has been appointed Meteorologist in Charge of the Great Falls, Mont., Weather Service Forecast Office. He succeeds John W. Hamilton, who retired last December. Mr. Rammer has been stationed at Great Falls since 1973, when he was reassigned from the National Meteorological Center, in Washington, D.C., where he had worked for nearly 20 years and had advanced to the position of Deputy Chief of the Aviation Weather Forecast Branch. In 1973, he received a Department of Commerce Silver Medal for outstanding administration of the Branch. Mr. Rammer graduated from the University of Wisconsin in 1952 with a degree in Meteorology. During WW II, he served in the Air Force as a pilot.

NOAA Co-Sponsors International Reef Conference
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give the keynote address, and Texas State Senator A.R. Schwartz will open the afternoon session. Informal panel discussions will focus on: artificial reefs around the world; scientific aspects; materials and methods of construction; and, physiological, economic, and legal considerations. Highlights will include an historical description of Japanese artificial reef experimentation since the early 18th century, including commercial reef building;

Commander Phillip C. Johnson Named To Command the Ferrel

Commander Phillip C. Johnson has been appointed *Commanding Officer of the NOAA Ship Ferrel*.

The *Ferrel*, NOAA's only ship designed specifically to measure coastal and estuarine currents, is scheduled to open her 1974 season March 22 in the New York Bight area.

With NOAA since 1963, Commander Johnson has participated in hydrographic surveys in Puerto Rico; headed various astronomic parties throughout the United States and in Norway, Greenland and Iceland and a special geodetic party for the Navy's Pacific Missile Range, Pt. Mugu, Calif.; and served on various oceanographic projects in Alaska, Panama and Barbados. He was most recently Executive Officer of the NOAA Ship *Mt Mitchell*



Commander Johnson

and has served also aboard the *Explorer* and *Oceanographer*.

A member of the Hopi Indian Tribe, Commander Johnson was born at Ft. Defiance, Ariz. He received his bachelor of science degree from Ohio State University and his master's degree in geodetic science from Cornell University.

Donato Del Proposto Heads LSC Computer Services Division

Donato Del Proposto, Jr., has been named Chief of the Computer Services Division of the National Ocean Survey's Lake Survey Center. The Division uses the most up-to-date electronic computers to solve complex mathematical problems and to reduce and make preliminary analyses of the huge volumes of data gathered in

the field, and also supplies services to other Federal agencies conducting research on the Great Lakes. The division is currently involved



Mr. Del Proposto

in processing the great masses of data collected during the International Field Year for the Great Lakes (IFYGL).

Mr. Del Proposto, a native Detroit, has been with the LSC since 1963.

NESS Phone Setup Expected To Save Travel and Energy

Rear Admiral Harley D. Nygren, NOAA's Energy Conservation Project Manager, has received word that the National Environmental Satellite Service expects its telephone conference setup between Suitland, Md., and Wallops Island, Va., to result in the elimination of much travel between the two sites.

Jerry C. Glover, NESS' Energy Conservation Coordinator, explained that the telephone company has installed special telephone jacks at Wallops and Suitland, each of which accommodates a conferencing terminal—a neatly packed telephone, speaker, microphone plus two remote microphones. The conferencing terminals (designation 29A) rent for \$13 each per month, and modifying the existing telephone line terminal between Suitland and Wallops costs \$8 per month—a total of \$34 per month.

NESS is also considering links of this sort between Suitland and its resident people at Goddard Space Flight Center; Gilmore Creek, Alaska; and the Satellite Field Services Stations at Miami, Kansas City, and San Francisco.

Mr. Glover says, "Closed circuit TV it is not. Meetings involving a lot of visual aids could only be attended by phone if the visual material were mailed in advance. But, the cost of telephone conferencing is so reasonable that ways around this limitation are worth considering.

"Other parts of NOAA may find telephone conferencing a good substitute for travel and save energy. Robert Laudrille, NESS communications expert, can furnish details on our system. He is on (A.C. 301) 763-7369."

recipe of the week



SCHULER'S FRIED SMELT WITH HERB BUTTER

2 pounds pan-dressed smelt, fresh or frozen
1/2 cup butter or margarine
1 tablespoon finely chopped parsley
1 tablespoon finely chopped chives
1 tablespoon lime juice
1/8 teaspoon liquid hot pepper sauce
Fresh ground black pepper
1-1/2 teaspoons salt
1 cup fine corn flake crumbs
Fat for frying

Thaw frozen fish; wash and dry. Cream butter or margarine until smooth and fluffy. Beat in parsley, chives, lime juice, hot pepper sauce, pepper, and 1/2 teaspoon salt. Sprinkle fish with remaining 1 teaspoon salt. Roll in crumbs until well coated. Heat fat in skillet over moderate heat. Place fish in single layer in hot fat; fry 2 to 3 minutes or until brown; turn carefully. Fry 2 to 3 minutes longer or until fish are brown and flesh flakes easily when tested with a fork. Serve piping hot and spoon Herb Butter over hot fish. Makes 6 servings.

Next Week's Best Fish Buys

According to the NMFS National Consumer Educational Services Office in Chicago, the best buys for the next week or so are likely to be king mackerel and breaded shrimp along the Northeast Seaboard; grouper fillets and breaded

shrimp in the Southeast and along the Gulf Coast; ocean perch fillets and breaded shrimp in the Midwest; kippered salmon tips and canned tuna in the Northwest; and fresh whole squid and mahimahi fillets in the Southwest.

Tillotson Now Heads WSMO at Omaha, Nebr.

Taking over as Manager of the National Weather Service Meteorological Observatory at Omaha, Nebr., is Ernest E. Tillotson. He entered the NWS at Omaha in 1960. After a break in service and later NWS assignments at the National Meteorological Center in Washington, D.C.; Cincinnati, Ohio; Raleigh, N.C.; and Indianapolis, Ind., he returned to Omaha and the upper air group in 1971.



Jim Vance To Speak at NOVAC Meeting

Jim Vance, WRC-TV Award-Winning Newscaster, will be the guest speaker for NOVAC Voluntary Action, Inc., Annual Membership meeting to be held on Thursday, March 28, at 7:30 P.M. at the Flagship Restaurant, 1321 Rockville Pike, Rockville, Md. Mr. Vance's talk will follow the theme of NOVAC's purpose: "Helping people help themselves."

In addition to Mr. Vance's presentation, members will hear a report of activities for the past year, as well as an overview of NOVAC's future goals. Members of the Board of Directors will be elected for the coming year.

In announcing the

meeting, Mrs. Donna Foster, President of NOVAC, pointed out that NOVAC now needs to enlarge its membership of its various committees and the membership at large. She indicated that only in this way could NOVAC render complete and responsive service to personnel located in the various NOAA installations in the Metropolitan Area.

Mrs. Foster will serve as the dinner meeting coordinator and reservations may be made by contacting her at 496-8425 no later than Friday, March 22. Tickets are \$6.25. Members, prospective members, spouses and friends are cordially invited.

Map Shows Seamounts Named for Scientists

(Continued from page 1)
Wash., who retired in 1972 as Director of the NOS, and who conducted one of the first systematic geophysical surveys in the northeast Pacific in the 1960's;

Haven Nichols, Hyattsville, Md., former research Cartographer and bathymetric map specialist who retired in 1966 as Senior Cartographer in the C&GS Marine Chart Division and Office of Research and Development;

Captain Eugene W. Richards (NOAA ret.), Kirkland, Wash., who retired in 1969 as Commanding Officer of the *Surveyor*, and who conducted extensive geophysical surveys in the north Pacific for the C&GS;

Albert A. Stanley, Silver

Spring, Md., who retired in 1972 after many years' service as Executive Assistant to the Director of the C&GS and of the NOS, and who was a significant force in the promotion of oceanographic

Dr. David Emilia, a marine geophysicist in Seattle, formerly with NOAA, and currently Professor of Geophysics at Haile Selassie University in Addis Ababa, Ethiopia, will be similarly honored on a second bathymetric map of the northeast Pacific seabed which will be published later.

The 34-by-41-inch map (NOS 13242-12B) can be purchased for \$2 from the National Oceanographic Distribution Division (C&GS), Riverdale, Md. 20840.

Calendar of events

March 20-22,
Boston, Tex.

Artificial Reef Conference, sponsored by the Texas Coastal and Marine Council; the Center for Marine Resources, Texas A&M University; and the National Marine Fisheries Service. (Richard Stone, NMFS Atlantic Estuarine Fisheries Center, Beaufort, N.C. 28516. 919-728-4595.)

March 25-27,
Washington, D.C.

Seminar on Sophisticated Auditing Techniques Used by Federal, State and Local Governments to Measure "Accountability", i.e. to Evaluate Efficiency, Economy and Program Effectiveness. Sponsored by the Federal Government Accountants Association, Capital Region. (Contact Richard E. May on 703-756-1935 before March 22 if you wish to attend.)

March 28,
Rockville, Md.
7:30 p.m.

Annual Membership meeting of NOVAC Voluntary Action, Inc. (Mrs. Donna J. Foster, 496-8425.) See item on page 6.

March 30-April 2
Jekyll Island, Ga.

Tri-State Cooperative Conference on "Methods for Beach and Sand Dune Protection". Sponsored by Georgia Department of Natural Resources in cooperation with Coastal Plains Center for Marine Development Services, North Carolina Office of Water and Air Resources, South Carolina Wildlife and Marine Resources Department, and Marine Resources Research Institute. (Methods for Beach and Sand Dune Protection Conference, Resources Planning Section, Georgia Department of Natural Resources, State Capitol, Room 104, Atlanta, Ga. 30334. 404-656-5164.)

April 2-4,
Lake Tahoe,
California-Nevada

Third Annual Conference on Fire and Forest Meteorology. Sponsored jointly by American Meteorological Society and Society of American Foresters. (Lester P. Mallory, Western Region Fire Weather Coordinator, National Weather Service, Box 11188, Federal Building, 125 South State St., Salt Lake City, Utah 84111. 801-524-4000).

April 10
Silver Spring, Md.
6:00 p.m.

Federal Government Accountants Association, Montgomery-Prince Georges Chapter Meeting. (Matt Groff, 703-557-2987 or IDS 167-2987).

April 17-21,
Bal Harbour, Fla.
(near Miami)

Annual convention of National Fisheries Institute. NMFS Market News Service booth will provide fishery pamphlets and current landings data as reported by NMFS field offices. (Gene Cope, NMFS, Washington, D.C. 202-343-4843.)

April 24,
Washington, D.C.

Annual Neptune banquet of the American Oceanic Organization. (Carolyn Stone, American Oceanic Organization, 777-14th St., N.W., Washington, D.C. 20005, 202-783-4434.)

June 6-7,
Columbus, Ohio

Coastal Problems Related to Water Level, Seventh Geodesy/Solid-Earth and Ocean Physics (GEOP) Research Conference, sponsored by American Geophysical Union, Defense Mapping Agency, NASA, NOAA, Ohio State University Department of Geodetic Science, and U.S. Geological Survey. Applications for attendance must be received by April 23, 1974. (Cynthia Beadling, AGU, 1707 L St., N.W., Washington, D.C. 20036. 202-293-1144.)

June 11-14,
Basye, Va.

Topical Conference on The Electrodynamics of Substorms and Magnetic Storms, sponsored by AGU and NASA. (Cynthia Beadling, AGU, 1707 L St., N.W., Washington, D.C. 20036. 202-293-1144.)

Summer 1974
Cambridge, Mass.

Special Summer Program on "Ocean Resource Management: Legal and Policy Aspects," at Massachusetts Institute of Technology Department of Ocean Engineering. Emphasis will be placed on: identification of legal restraints and opportunities, both under existing law and law in formation; attitudes and policies of U.S. Government toward ocean and coastal zone exploitation; likely outcomes of U.N. Conference on Peaceful Use of the Seabed; and interrelationships between law, technology, and policy formation in ocean resource management. (Director of Summer Session Office, Room E19-356, M.I.T., Cambridge, Mass. 02139.)



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NOTES

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notes about people

On a recent visit to Hawaii, NMFS Director Robert Schoning attended and acted as spokesman at a meeting of the Pacific Islands Development Commission, which met in Honolulu to discuss a skipjack tuna development program for the central, southern, and western Pacific Ocean.

He also toured the Honolulu Laboratory of the NMFS Southwest Fisheries Center and the Kewalo Research Facility and met with local representatives of commercial and recreational fisheries as well.

Richard E. Laird, Director of the Bayfront Neighborhood Action Team Organization at the Martin Luther King Center in Erie, Pa., addressed the Environmental Data Service Equal Employment Opportunity Committee during a recent visit to Washington, D.C. Mr. Laird hopes to solicit support for an innovative program to train disadvantaged youths in water-related careers. EDS personnel Doris Stewart, Leon LaPorte, and Donald McGuire reviewed a draft marine technology curriculum for the proposed project and also provided Mr. Laird with publications to serve as teaching aids. Mr. Laird welcomes any advice and support. One of his aims

is to acquire a surplus vessel for marine technology training.

For additional information, contact: Richard E. Laird, Director, Bayfront NATO Great Lakes Project, 312 Chestnut St., Erie, Pa. 16507.

Joan Vandiver Frisch, with the NOAA Public Affairs Office in Boulder, Colo., recently won three awards in the Colorado Press Women's annual state contest.

Ms. Frisch, a Public Information Specialist covering the Environmental Research Laboratories, won first place in the "Special Articles-Magazine" category for a news article about the Wave Propagation Laboratory's use of radar to scan sea conditions. "The Sound in the Silence," in which Ms. Frisch describes Wave Propagation Laboratory research in infrasound—noises emitted by events in the earth, oceans and atmosphere that are too low for the human ear to hear—won third place in the "Feature Story-Special Interest Magazine" category. The article appeared in the October 1973 NOAA magazine. A feature story on how oceanographers use satellite data won another third place, in the "Special

Articles-Technical Reporting" class.

Ms. Frisch was one of 81 contestants, who submitted a total of 446 entries. The first-place article, which appeared in a New Orleans monthly called "The Fish Boat," will automatically be entered in the annual National Federation of Press Women contest.

Richard L. Chambers and Jeffrey T. Cline of the Water Characteristics Branch of the Lake Survey Center's Limnology Division will present papers at the Geological Society of America's conference to be held this spring at Kent State University.

Dr. Thomas S. Austin, Environmental Data Service Director, and staff members Arnold Hull, James Noel, Robert Freeman, and James Stear attended the first Federal Information Managers' Symposium sponsored by the National Science Foundation's Office of Science Information Service on March 1. The meeting, an experiment to test approaches to replacing the now defunct Committee on Scientific and Technical Information, was held to discuss on-line information systems and Automatic Data Processing procurement problems in mod-

ernizing information systems.

Donald W. Kuehl, Principal Assistant of the National Weather Service Portland, Ore., River Forecast Center, has been assigned to temporary detail in Bangkok, Thailand, for one month to serve as consultant and instructor. Mr. Kuehl will provide training, principally the hydrologic application of forecasting for the Mekong River, for technicians of four riparian countries of Southeast Asia. He will also evaluate the 1974 basinwide floodcasting effort. Mr. Kuehl completed a number of assignments in Thailand under the jurisdiction of the Corps of Engineers. He received the Department of Commerce Bronze Medal in 1971 for outstanding service over a long period of

Dr. James D. McQuinn, the Environmental Data Service's Special Assistant, Office of Science Information, joined Senator Hubert Humphrey of Minnesota and Henry Bellmon of Oklahoma in a one-hour show on WCCO-TV in Minneapolis, Minn., on March 1. As part of a three-man panel on the subject of Wildlife Food Reserves, Dr. McQuinn discussed the effects of large-scale weather patterns on food production.

Fourteenth Weather Radar Class Meets at NWS Technical Training Center



Participants in the National Weather Service's Fourteenth Weather Radar Class, held at the NWS Technical Training Center in Kansas City, Mo., from January 22-February 7, were (front row, from left) Merlin J. VanDunk, Stephenville, Tex.; Hugh Riley, Athens, Ga.; John Rhyne, Jr., Lake Charles, La.; Patrick O'Hagan, Minneapolis, Minn.; Robert Reed, Garden City, Kans.; Eldyn L. Stewart, Atlantic

City, N.J.; (back row, from left) Joel Wertman, Instructor, Deal, N.J.; David Sisk, Instructor, Oklahoma City, Okla.; David Sisk, Pittsburgh, Pa.; Laurine, Auburn, Wash.; Fred Snowden, Huron, S.Dak.; Downes, Evansville, Ind.; Paul Wade, Nashville, Tenn.; and Burns, Instructor.

National Oceanic and Atmospheric Administration

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