



# noaa week

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## Satellite Data Used in Study of Water Quality Changes

### U.S. and Foreign Ships To Make Joint Surveys Off East Coast

Fisheries research vessels from the Soviet Union, Poland, West Germany, and France have scheduled joint surveys with the United States in international waters off the North American east coast during the coming three months.

The first foreign vessel to arrive, the 230-foot Belogorsk, docked at Woods Hole, Mass., on August 23. The Soviet scientists will work with NOAA scientists under terms of a U.S.-Soviet agreement for the Mid-Atlantic. The National Marine Fisheries Service maintains its Northeast Fisheries Center at Woods Hole and its research vessel, Albatross IV, will also participate in the studies.

Dr. Robert L. Edwards, Director of the Fisheries Center, said the Soviet Union has cooperated with the United States for the past six years under the bilateral agreement on surveys of waters of the western Atlantic. Again this year, some 75,000 square miles of ocean between Nova Scotia and Cape Hatteras will be surveyed. The scientists will study the status of fish populations known as groundfish. These include such species as haddock, cod, flounder, hake (whiting), and redfish (also known as ocean perch.) They will also study changes in abundance and distribution of these commercially valuable stocks.

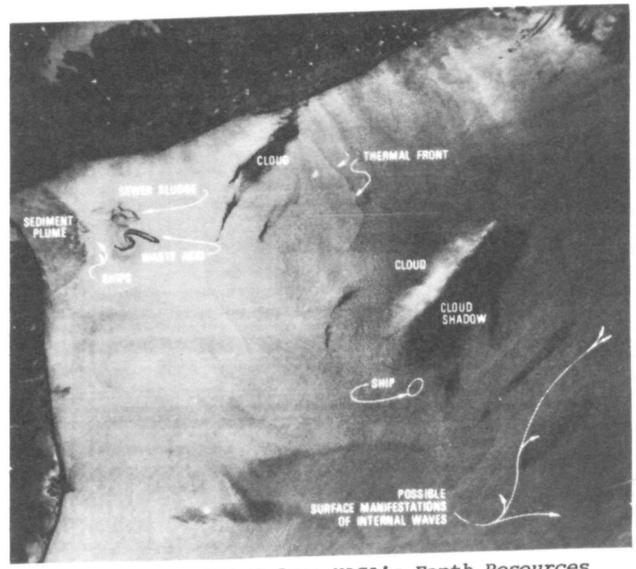
Three other foreign vessels--the Weiczno (Poland), the Cryos (France), and the Anton Dohrn (West Germany)--will participate in additional cooperative research projects with the Belogorsk and the Albatross IV. The projects will concentrate on surveys of larval herring abundance north and east of Cape Cod, taking samples of those early life stages of herring which float in surface waters. The Polish, French, and West German vessels are scheduled to arrive in late August, September, and October. (Photo on page 2.)

Satellites and scientists are teaming up to learn more about water quality changes and waste disposal in coastal zones, according to a report published by the Environmental Research Laboratories.

Robert L. Charnell and George A. Maul, both oceanographers with the Physical Oceanography Laboratory of the Miami-based Atlantic Oceanographic and Meteorological Laboratories, recently released an analysis of images taken by the National Aeronautics and Space Administration's Earth Resources Technology Satellite that documents waste disposal in the New York-New Jersey coastal area. The images show evidence of at-sea disposal and dispersal rates of the wastes dumped.

The two oceanographers are studying the coastal area as part of NOAA's five-year regional ecology investigation of the New York Bight--the 15,000 square-mile area of ocean waters and continental shelf that extends from Montauk Point, Long Island, to Cape May, New Jersey. The New York Bight Investigation, headquartered at Stony Brook, N.Y., is the first project undertaken by NOAA's Marine Eco-Systems Analysis (MESA) program. Principal aims of the MESA program are to make a broad analysis of baselines and changes in biological, chemical, geological, and physical aspects of coastal areas, and to develop a capability to predict the environmental consequences of proposed changes.

(Continued on page 6)



Picture transmitted from NASA's Earth Resources Technology Satellite shows a number of features of interest to NOAA oceanographers.

### NOAA Awards Luncheon

The NOAA Awards luncheon will be held at the Sheraton Motor Inn, 8727 Colesville Road, Silver Spring, Md., on Friday, October 12, at 11:30 a.m. The entree will be a choice of steak or seafood. Tickets are priced at \$6.50. Adequate parking is available. See your keyman for tickets.

## Dr. Sparks Appointed NMFS Deputy Associate Director

Dr. Albert K. Sparks has been appointed Deputy Associate Director for Resource



Research in the National Marine Fisheries Service. He joined the Federal service in January 1970 as laboratory director of the NMFS biological laboratory in Galveston, Tex., and was named Director of the Gulf Coastal Fisheries Center in July 1971, when a reorganization

of NMFS concentrated the work of several other installations under the Galveston facility.

Dr. Sparks received his B.S. in wildlife and fisheries, his M.S. in biology, and his Ph.D. in biological oceanography, all from Texas A&M. He served in the U.S. Army from 1943 to 1946, and is currently a lieutenant colonel in the Medical Service Corps in the U.S. Army Reserve.

He began his professional career as an assistant professor of biology at Sam Houston State Teachers College in 1949, and in 1951 moved to Texas A&M. In 1956 he became chief biologist and assistant director of the Texas A&M Research Foundation Marine Laboratory at Grand Isle, La., and in 1958, joined the faculty of the University of Washington, where, as associate professor in the College of Fisheries, he taught and conducted research in invertebrate pathology and fisheries. He became a full professor in 1963 and during his tenure at the University of Washington directed numerous Federal grant and contract studies and served as a consultant to several corporations and governmental bodies.

## Ships To Make Joint Surveys (Story on page 1)



Captain Beattey of NOAA's *Albatross IV* and Captain Zuev of the *Belogorsk* shake hands at the start of a working meeting between Soviet scientists and scientists of the NMFS at Woods Hole. On the right is Richard C. Hennemuth, Deputy Director of the NMFS Northeast Fisheries Center,

## Gerald Petersen Named To Fill Environmental Monitoring Post

Gerald A. Petersen, who for the past year has been Chief of the Public Weather Branch



in the National Weather Service's Office of Meteorological Operations, has been named Director of the Meteorological and Hydrological Services Office in NOAA's Office of the Associate Administrator for Environmental Monitoring and Prediction.

Mr. Petersen's varied 24-year weather career has included service for the Navy and the

Air Force, in addition to 15 years with the NWS. His operational and administrative assignments have involved public, aviation, marine, and hydrologic forecasting; development of field forecast procedures; data processing systems analysis, design, planning, and program management; instructing courses in meteorology; and most recently, management of the NWS Public Weather Services program.

He holds a bachelor of science degree in meteorology from the University of Wisconsin; a Master of Engineering Administration from George Washington University (obtained on a Weather Service scholarship); and has completed all of the course work for a Doctor of Public Administration at George Washington University.

## Orthophoto Nautical Charts To Be Issued For Four Harbors in Florida by NOS

The National Ocean Survey will issue, during the next three years, orthophoto nautical charts for the harbors at Miami, Cape Canaveral, Ft. Lauderdale and West Palm Beach, Fla., similar to that recently issued for Ft. Pierce, Fla.

On orthophoto nautical charts, the land adjacent to coastal waters is shown by reproductions of aerial photographs. Using a process known as orthophotography, distortions caused by the tilt of aerial cameras and by varying ground elevations are removed. The result is a precise photograph of the earth's surface where all features appear in their correct horizontal position.

The charts provide more land details to assist mariners in determining their position at sea, and also provide an important assist to the Coast Guard in fixing the positions of navigational aids.

The orthophoto imagery is combined with the regular hydrographic details generally associated with a nautical chart, such as water depths, sea bottom contours, improved channel limits and aids to navigation. The aerial photography eliminates the need for painstaking hand drafting and scribing by cartographers of intricate land details, such as roads, buildings, contours and other landmarks.

## Open Houses at NOAA Facilities To Mark Third Anniversary

About 100 NOAA installations throughout the Nation are expected to draw thousands of people to Open Houses--celebrating NOAA's third anniversary.

The first of the 1973 Open Houses was held at the National Weather Service's office at Goodland, Kans., on September 15. About 75 other offices of the NWS will open their doors--mostly in October.

National Marine Fisheries Service Centers and laboratories in Seattle, La Jolla, Miami, Pascagoula, Woods Hole, Galveston, Sandy Hook, and Oxford are planning celebrations. Some Centers, colocated with other NOAA facilities, are planning joint observances.

The National Ocean Survey Atlantic Marine Center at Norfolk in consort with the NWS office there plans to hold Open House on October 18. The Pacific Marine Center in Seattle will be open to the public on September 27 and will invite local residents to inspect Seattle based ships on later dates.

The Environmental Research Laboratories' Atlantic Oceanographic and Meteorological Laboratories will hold its first open house since its dedication and will do so jointly with the Southeast Fisheries Center in Miami, Fla. The National Severe Storms Forecast Center at Norman, Okla., will hold a dual celebration. It will also dedicate its new building during the September 28-29 celebration.

The National Climatic Center at Asheville, N.C., will hold its Open House on October 4.

Late Flash!! The NWS Office at Yap, in the Pacific, will hold its Open House on October 4.

## WSFO at Juneau, Alaska, Is Dedicated

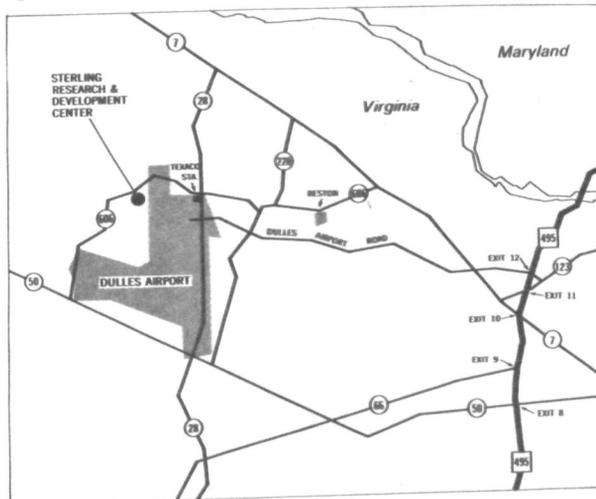
The Weather Service Forecast Office at Juneau, Alaska has taken over the forecast responsibility for Southeast Alaska. Included are public, marine, aviation, fire weather and environmental quality programs. A number of civil and government dignitaries attended the recent dedication highlighted by an address by Alaskan Governor William Egan. Karl R. Johannessen, Associate Director, NWS, for Meteorological Operations, representing NWS Headquarters, addressed the group, as did Stuart G. Bigler, Director, Alaska Region, and Leif Lie, Meteorologist in Charge.



(From left) Governor Egan, Mr. Bigler, and Mr. Lie.

## D.C. Area Open House To Be Held At NWS Sterling R & D Center

The Greater Washington, D. C., Area Open House will be held at the National Weather Service Sterling Research and Development Center from 9:30 a.m. to 4 p.m. on Friday, September 28, and Saturday, September 29. The Center is located northwest of Dulles Airport on Route 606, three miles west of Route 28, and can be reached from the Beltway (495) via Routes 7, 66, or 50.



## EDS To Receive Air Force Auroral Photos

The Environmental Data Service's National Geophysical and Solar-Terrestrial Data Center in Boulder, Colo., has arranged to obtain auroral photographs from the U.S. Air Force's Data Acquisition and Processing Program satellites. These satellites are in sun-synchronous orbits of 99 degrees inclination, with altitudes between 815 and 850 kilometers. As they orbit the earth, camera systems aboard continuously photograph the earth, and the images are telemetered to ground receiving stations. During half of each orbit, the satellites pass over the dark side of the earth. Auroral phenomena, when present, are then photographed by the satellite sensors. City lights are visible on many of the auroral photographs, and ground features can be clearly distinguished if there is sufficient moonlight. Scientists will use these photographs to study the morphology of auroras, as well as other phenomena in solar-terrestrial physics.

## St. Lawrence River Water Level Gages Inspected

Edward J. Gurche, a hydraulic engineering technician for Lake Survey Center's Water Level Gaging Section, completed a two-week inspection of the St. Lawrence River water level gages. The inspection was carried out in conjunction with the Hydro-Electric Power Commission of Ontario and the Department of Environment for the St. Lawrence Committee on River Gaging and involved 16 gages. Level lines were run to each gage as part of the program to check the accuracy and reliability of these water level gages.

# personnel perspective

## NOAA EEO Affirmative Action Plan

In the June 29, 1973, issue of Personnel Perspective we discussed the NOAA EEO Affirmative Action Plan and covered very briefly the eight major parts of the Action Plan. Beginning with this issue, each part of the Plan will be covered in detail.

Part I of the NOAA EEO Affirmative Action Plan sets forth the organization and resources provided for carrying out NOAA's EEO Program. This part of the Action Plan is tremendously important to the success of the overall plan because it is the base for the remaining seven sections. In Part I, NOAA pledges to strengthen the organization and administration of the EEO Program by appointing a full-time NOAA EEO Officer and identifying specific funding resources to carry out the Program.

NOAA appointed Mr. Simon Morgan as full-time EEO Officer on June 10, 1973. Mr. Morgan serves on the immediate staff of the Associate Administrator and provides support to the entire EEO Program effort, as well as having direct responsibility for the EEO complaint and counseling system. The EEO Officer has analyzed the coverage provided by the present number of EEO Counselors in NOAA and has recommended some 40 additional counselors to provide easier access to NOAA employees. In addition, Mr. Morgan will provide training for NOAA's EEO Counselors in the various phases of personnel administration and in counseling techniques.

As Dr. Robert M. White, NOAA Administrator, indicated in the September 14, 1973, issue of NOAA WEEK, he has authorized these additional EEO counselors and the hiring of a full-time Coordinator/EEO Counselor on the staff of the EEO Officer. The Coordinator/EEO Counselor will assist the EEO Officer in the performance of his duties and responsibilities. These additional resources should make for a strengthened EEO complaint system.

For the first time in NOAA's experience we have certified that all NOAA management officials and other employees assigned program responsibility have met definitive EEO qualification standards. The certification applies to the EEO Officer, all EEO Counselors, officials having responsibility for regional action plans and the members of the Personnel offices who are directly concerned with EEO Program administration and EEO subject-matter training. Personnel office employees requiring certification include the personnel management specialists who provide the full range of day-to-day services to NOAA employees as well as specialists in the EEO area. The EEO specialists are those personnelists involved in direct EEO Program adminis-

tration and subject-matter training as required by the NOAA Action Plan.

Part I of the Action Plan also specified the number of man-years and funding involved in our EEO program effort. Thirty man-years with a total of around one-half million dollars were set aside for EEO Program support. Additionally MLC's, all regions and local activities (of 50 employees or more) were required to develop specific EEO action plans, which detailed the resources which they were using to achieve full equal employment opportunity in their activities. EEO Committees assisted in the full development and implementation of all action plans.

To keep Dr. White apprised of EEO progress in NOAA, a briefing was presented to him, MLC Directors and NOAA EEO Committee members on June 8, 1973. This briefing indicated that although some relative progress had been made by minorities and women in the scientific areas, they still lagged behind other NOAA employees. Therefore, Dr. White asked that some new plans be developed to assist minority employees, women and others to move into the NOAA technician and professional scientific areas which make up the bulk of the NOAA programs.

Dr. White, in the September 14, 1973, issue of NOAA WEEK, revealed that new resources would be given over to an expanded EEO effort. These resources include new programs directed at increasing minority and women representation in the scientific areas of NOAA. A statistician position has been authorized for the Personnel Division. This statistician will work in the area of quantitative EEO evaluation as well as across the board in total EEO program administration. Additionally, much more EEO statistical data will be published in NOAA WEEK, on a quarterly basis, to permit NOAA employees to regularly view indices of EEO progress.

Of great importance will be the acceleration and expansion of activity now underway to incorporate skills and training data into the ADP system. Several automated Personnel sub-systems will be merged with parts of the Personnel Master File to form a real-time interactive Education, Skills and Training Inventory System. This system will be used to analyze records of our employees who are in dead-end positions or who have college training yet are not serving in professional positions. These ADP systems will investigate, in depth, the needs of NOAA's technical and scientific areas and NOAA's EEO needs. The aim of the systems will be to align these needs so that programs may be developed which satisfy both needs. To speed up the above projects, a Personnel Division task group has been established. An additional Personnel Systems Analyst position has been authorized to assist this task force.

The four Scientific Upward Mobility Training Programs announced by Dr. White in the September 14, 1973, issue of NOAA WEEK will soon begin. Resources for these programs (scientific technician, science intern, 20/20 work/study and graduate scientist) will approach a million dollars. To assist candidates in these programs, three upward mobility counselors have been authorized for the Personnel Division, one at headquarters and two in the field. These counselors will also provide professional counseling assistance to managers and employees as well as on-the-spot supervisory training leadership. Two additional positions have also been authorized for EEO training of managers and supervisors. In addition to the present one day EEO training course, NOAA will soon offer a three-day in-house EEO course for supervisors and managers.

These three-day courses will be a "how-to-do-it" seminar for first line supervisors up through Division heads. The course will deal with practical application of equal employment opportunity in specific NOAA situations. NOAA will also send its managers in field stations to Civil Service Commission courses in supervisory EEO training where it is not feasible to use the NOAA course.

To insure that all NOAA senior officials are kept aware of action in the crucial area of EEO, the Administrator has established regular quarterly meetings to discuss EEO Program implementation and progress. The NOAA EEO Committee will be present at these meetings to offer their assessment of EEO Program progress directly to the Administrator. The NOAA EEO Committee will also meet regularly with the EEO Officer, Assistant Administrator for Administration, Director of the Personnel Division and members of his staff on current EEO Program developments. MLC Directors will meet with their respective EEO Committees on a monthly basis to talk over their individual EEO program progress and problems.

NOAA has developed an effective organization for carrying out EEO Program implementation and has provided the necessary human and funding resources to effectively carry out the programs. The Administrator has strengthened this organization by providing additional resources and funding to insure that our total efforts succeed in this important area. The improved methods of communication which have been established at all organizational levels in NOAA should help provide us with a responsive organization as well as improved dialogue with all NOAA employees in the area of EEO. The next issue of Personnel Perspective will discuss our present and future recruitment plans which are designed to reach minorities and women.

## Federal Women's Program



On Tuesday, Sept. 11, 1973, the National Ocean Survey EEO Committee, in cooperation with NOAA's Personnel Division, sponsored a program on the Federal Women's Program. The Honorable Antionette Ford, District of Columbia City Council Member, was guest speaker and discussed "Women in the Federal Government." Ms. Ford has an extensive background in oceanography and has worked in both the Treasury Department and the Department of Commerce. She has also visited East and West Africa to determine the feasibility of International Trade between Minority Business and African Nations.

Ms. Eleanor Shannon, NOAA Federal Women's Program Coordinator, also participated in Tuesday's program by discussing NOAA's efforts to enhance opportunities for women within the agency.

## The Official 1973 United States Bicentennial Medal Commemorative

Available October 1-October 31, 1973



The American Revolution Bicentennial Committee has announced that the Official 1973 United States Bicentennial Medal Commemorative may be purchased during the month of October, 1973. The medal, second in the national series, honors Samuel Adams and Patrick Henry. The medal is available in either silver (\$10.00) or bronze (\$3.50). NOAA employees wishing to order the medal should send a check or money order to: American Revolution Bicentennial Committee, P.O. Box 1976-M, San Francisco, California, 94101.

# calendar of events

- Sept. 25-28  
Seattle,  
Wash.  
"Ocean '73," Fourth annual International Conference on Engineering in the Ocean Environment, sponsored by the Institute of Electrical and Electronic Engineers, Inc. (E.W. Early, Co-Chairman, Ocean '73, University of Washington, Applied Physics Laboratory, 1013 N.E. 40th St., HN-10, Seattle, Wash. 98195. (206-543-1300)
- Sept. 28-29  
Sterling,  
Va.  
NOAA Anniversary Open House for D.C. Area. See item on page 3 for details.
- Oct. 1-5  
Orlando,  
Fla.  
Symposium on Remote Sensing in Oceanography, sponsored by the American Society of Photogrammetry and the American Congress on Surveying and Mapping. (Albert K. Heywood, Chief, Quality Control Group, Coastal Mapping Division, National Ocean Survey, Room 509, WSC-1, Rockville, Md., 20852. 301-496-8061.)
- Oct. 3  
NOAA's Third Anniversary
- Oct. 8-9  
Columbus,  
Ohio  
Fifth Geodesy/Solid-Earth and Ocean Physics (GEOP) Research Conference, sponsored by the American Geophysical Union, Defense Mapping Agency, National Aeronautics and Space Administration, NOAA, Ohio State University Department of Geodetic Science, and U.S. Geological Survey. (Cynthia Beadling, AGU, 1707 L St., N.W., Washington, D.C. 20036. 202-293-1144.)
- Oct. 12  
Silver Spring,  
Md.  
NOAA Awards Luncheon. See box on page 1 for details.
- Oct. 15-18  
Myrtle Beach,  
S.C.  
Second International Estuarine Research Conference, sponsored by the Estuarine Research Federation. (Dr. Austin B. Williams, Systematics Laboratory, National Marine Fisheries Service, U.S. National Museum, 10th and Constitution Ave., N.W., Washington, D.C. 20560. 202-381-5923.)
- Dec. 10-14  
Washington,  
D.C.  
National Fall Meeting of the American Geophysical Union. (Leonard Levin, AGU, 1707 L St., N.W., Washington, D.C. 20036. 202-293-1144.)

## Harold W. Ebel Dies

Harold W. Ebel, Weather Service Specialist at the National Weather Service Office in Green Bay, Wis., died on September 19. He had been with the Weather Service for 27 years. He is survived by his wife, Vivian, of 212 South Platten St., Green Bay, Wis. 54303, and three sons.

## Paul W. Dailey, Jr., Is Named MIC of Cincinnati, Ohio, WSO

Paul W. Dailey, Jr., is the new Meteorologist in Charge of the Cincinnati, Ohio, Weather Service Office. He has served as a lead forecaster in Des Moines, Iowa, for the past two years.



He joined the Weather Service in 1962 as a Briefer-Observer at Chicago, Ill., transferred to Fort Wayne, Ind., in 1964, and was promoted to the position of Agricultural

Forecaster at Indianapolis, Ind., two years later. In 1969 he was selected as Climatologist for Pennsylvania at State College, Pa., and held this position until 1971. Earlier he served three years as a Weather Officer in the U.S. Air Force. He graduated from Ball State University, Muncie, Ind., and attended graduate school at the University of Wisconsin and Rutgers State University in N.J., and completed his Master's Degree at Purdue University, Ind.

## Rainier Holds Open House at Seward, Alaska

The NOAA Ship Rainier recently hosted the city of Seward, Alaska, to an Open House aboard, featuring the ship functioning in as close to a "real time" status as is possible without leaving dockside. The nature and the science of modern hydrography was depicted with the guests aboard participating with the crew as much as desired possible. The 90 people who joined the Rainier for the afternoon found it a very enjoyable and enlightening experience. Rainier station KRXA, Seward, assisted with advance publicity for the open house.

## Water Quality Study (Continued from page 1)

As part of the program to monitor water quality in the area, NOAA is planning to install a total of 56 current meters in the Bight region by the spring of 1974. Twenty-two of the meters will be installed this summer to make measurements of water movement during a 45-day period in August and September. Data gathered from the current meters and water samples will supply "ground truth" information to provide a basis for identifying ocean features seen by the ERTS satellite as it passes over the area every 18 days at approximately 900 kilometers (570 miles above the earth).

The Multispectral Scanner System—one of two imaging sensors aboard the ERTS satellite—images the ocean surface in four spectral bands simultaneously through the same optical system. Each band measures reflected light that penetrates to a different depth, thus giving a rough profile of the ocean. The depth profile information will greatly assist the scientists in studying movement and dispersal of particulate waste plumes, some of which have been seen to cover a wider area under water than at the surface.

## U.S., Japanese Representatives Discuss Marine Resources

The fourth joint meeting of the Marine Resources and Engineering Coordinating Committee of the U. S.-Japan Cooperative Program in Natural Resources was held in Washington, D.C., on September 13. Speakers at the opening ceremonies were Dr. Donald P. Martineau, NOAA's Deputy Administrator for Marine Resources; Dr. James A. Slater, U.S. Coordinator of the Interior, U.S. Program Councillor of the Japanese Science and Technology Agency; and Isao Uchida, the First Secretary (Scientific) of the Japanese Embassy.

The Japanese representatives were officials of government and marine-related industries. The U.S. representatives were, in addition to Dr. Martineau and Dr. Slater, (from NOAA) Captain John O. Phillips, Executive Secretary of the Committee; Dr. James W. Miller, Manned Undersea Science and Technology; William M. Nicholson, Associate Director, Office of Marine Technology, National Ocean Survey; Gilbert Jaffe, Director of the National Oceanographic Instrumentation Center, NOS; Dr. Shad (Retired), Chief Scientist, and Susan Ber- and Robert H. Wing, Environmental Research Laboratories; and, from the Department of the Interior, Dr. Ralph L. Miller.

The UJNR was established in 1964 because of the desires of the two countries expressed during the U.S.-Japan Cabinet Committee on Trade and Economic Affairs. Through exchanges of scientific and technical results, UJNR has made it possible for both countries to adopt new technologies in the development and wise utilization of natural resources, as well as to attempt technological development in new fields of science and technology. The program has also contributed to deepening mutual understanding and strengthening bonds of friendship between the two countries.



(From left) Dr. Martineau and Mr. Ohmura.

## Survey in Nebraska and Wyoming Completed

The National Geodetic Survey has completed a six-month geodetic survey along a 500-mile route from Monroe, Nebr., to Natoga, Wyo. The survey, carried out at an estimated cost of \$100,000, was headed by John R. Shea.

## Television To Become Available To Pribilof Island Residents

Residents of St. Paul, one of the Pribilof Islands in the Bering Sea off the coast of Alaska, will soon be seeing TV in their homes for the first time. They will have a type of "closed circuit" TV under a special low power license issued by the Federal Communications Commission for Alaska only. Its limited range is suitable for isolated areas--in fact, the "mini-tv" to be installed on St. Paul will not reach St. George, the only other inhabited island, which is about 40 miles away.

The Pribilof Islands, home of the world's largest herds of valuable Northern Fur Seals, are administered by the National Marine Fisheries Service, but since June 29, 1971, St. Paul has been an incorporated community under the laws of Alaska.

The 10 watt transmitter has a range of a little more than five miles, but will be able to provide service to about 90 families of St. Paul who are centered in a small area of the island.

This type of transmitter is expected to be a boon to all remote areas which have electricity. The ultimate goal is to use the same system to transmit live TV via satellite relay when available.

Installation of "mini-tv" on St. Paul is being done with the cooperation of the Alaska Education Broadcasting Commission, the Aleut Corporation, the Aleut Planning Commission, and the City Council of St. Paul.

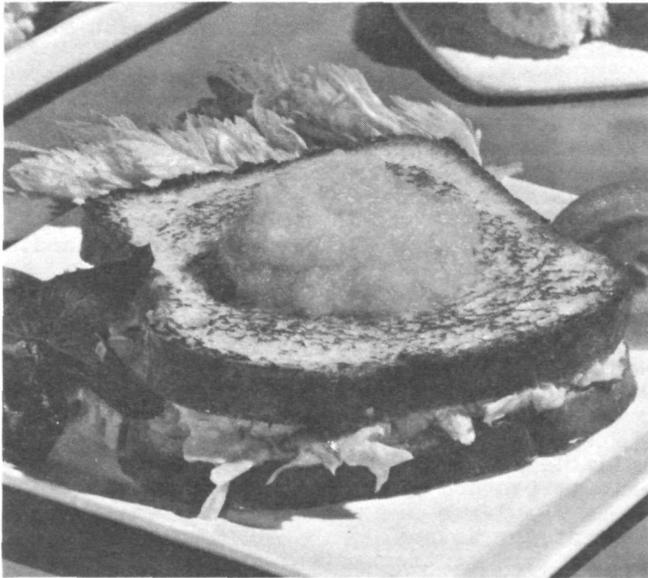
The same type of TV also is planned at several other isolated Alaskan communities including Unalaska and Fort Yukon. Bethel already has such a transmitter and an exchange of programs is planned to reduce costs. Cost of the "mini-tv" transmitter and the other equipment has been estimated at less than \$10,000. Cable is not used.

No date has been set for the first telecast from the St. Paul TV facility, but officials hope it will be in operation before the end of September. Equipment enabling the 135-150 residents of St. George to receive the signal from St. Paul would cost about \$20,000 and is not being planned at this time.

## EDS Holds Interagency Environmental Data And Information Management Workshop

An interagency environmental data and information management workshop was held at the Environmental Data Service headquarters, Sept. 7. Participants, in addition to EDS and NOAA personnel, included representatives from the Environmental Protection Agency and from the Department of the Interior's Bureau of Land Management and Geological Survey. Discussion centered on the degree to which the agencies represented are individually or collectively meeting the present or potential needs of environmental data and information users. A primary purpose of the workshop was to examine the need for and substantive details of a multiagency data management agreement between the agencies.

# recipe of the week



## FRENCH TOASTED TUNA SANDWICHES

1 can (9-1/4 ounce) tuna, drained  
3/4 cup finely chopped celery  
1/2 cup salad dressing or mayonnaise  
2 tablespoons chopped green pepper  
2 tablespoons chopped pimiento  
1 teaspoon grated orange or lemon rind (optional)  
1/2 teaspoon salt  
12 slices white bread  
1/2 cup milk  
2 eggs  
1 teaspoon sugar  
Cooking oil or shortening  
Applesauce

Flake tuna. Combine tuna, celery, salad dressing or mayonnaise, green pepper, pimiento, orange or lemon rind, if used, and 1/4 teaspoon salt; mix well. Spread 6 slices of bread with an equal amount of tuna mixture; cover with remaining 6 slices of bread. Combine milk, eggs, sugar, and remaining 1/4 teaspoon salt; beat well. Dip sandwiches into egg mixture. Fry in hot oil or shortening over moderate heat until brown on one side. Turn carefully; brown on second side. Serve with heated applesauce. Makes 6 servings.

## Funnel Cloud Over Illinois Tests Community Preparedness

Lothar A. Joos, Executive Officer for the National Weather Service Central Region, recently reported:

When a private pilot on the ground at Waddell Airport near Pekin, Ill., spotted a funnel cloud in a nearby thunderstorm formation, he knew just what to do. Calling the nearby FAA Control Tower at Peoria by radio he reported, "Tornado 12 miles south of you". The pilot's report was immediately relayed by airport intercommunications line to WSO where Kelly Anderson, OIC, began immediate action by calling the Civil Defense Director in Tazewell County. Even while the Peoria Tower was still talking with the pilot, spotter networks were being activated and a patrol car dispatched to the area. Confirmation of the funnel cloud sighting within minutes by the State Police led to sirens being sounded and protective measures being taken in schools, factories, police and fire stations. The time elapsing between the original report and the first responses by Tazewell County officials is estimated at one and a half minutes.

Radar reports from the WSMO at Marseilles gave the location and movement of the major storm cell. Using the unique Illinois State Civil Defense radio network, Civil Defense offices were alerted and spotter networks activated in several counties toward the northeast. Surveillance of the funnel cloud extended over a distance of about 50 miles. Fortunately only three brief touchdowns occurred and during most of its life the "tornado" was a harmless funnel cloud aloft with negligible damage.

However, the potential for destruction and death in a heavily populated area was very real and thousands of persons were alerted to the danger. According to Mr. Joos, "The system REALLY WORKED with NWS and other agencies performing nearly flawlessly. This was not an accident since months and years of community preparedness activities are a prerequisite for this type of payoff."

## NWS Regional Directors Banquet Scheduled

NOAA employees are invited to attend the National Weather Service Regional Directors Banquet on September 26 at the Villa Rosa Restaurant, 813 Ellsworth Drive, Silver Spring, Md. There will be a cash bar from 7 to 8 p.m., and the cost of the dinner is \$6.60. Call Jean Hetrick or Elna Fern on 427-7675 by September 24 to make reservations.

## Dr. David W. Frame Dies

Dr. David W. Frame, a Fishery Biologist with the National Marine Fisheries Service at Atlantic Estuarine Fisheries Center at Pivers Island, N.C., was killed September 8 in a sailboat accident. He had been with NMFS since 1971. He is survived by his wife and three children.

Items to be considered for publication in NOAA WEEK should be submitted to:  
Office of Public Affairs, NOAA, Room 221, Bldg. 5, Rockville, Md. 20852. Phone (301) 496-8243.

# **National Oceanic and Atmospheric Administration**

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