



# noaa week

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## Sea Grant To Fund Unique Shellfish Aquaculture System

The University of Delaware will pursue its long-term goal of establishing a new technology for raising shellfish in a unique aquaculture system under part of a \$700,000 Sea Grant.

More than \$509,000 in non-Federal matching funds will be added to the NOAA grant.

The Delaware aquaculture project at the University's Marine Studies Center at Lewes is being conducted by a team of Sea Grant-supported biologists, chemists, engineers, and economists. Using an unusual closed system which employs recycled, filtered seawater and specially formulated diets of algae, scientists have been able to grow both oysters and hard clams from egg to market size in record time.

A most promising aspect of the aquaculture system is its facility for raising the algae upon which the shellfish feed. A series of rearing tanks for algae is housed in a greenhouse designed to take advantage of the sun's light and heat, materially reducing one of the most expensive energy costs of the aquaculture system.

Responding to the severe in-

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## Guam Awarded CZM Grant

Areas that possess a unique quality, or a distinct or special value, and which lie within Guam's coastal zone, will be given special attention under a \$189,000 grant from the Office of Coastal Zone Management. Guam will add \$50,727 in matching territorial funds.

OCZM awarded the grant to help Guam continue developing a coastal management program that will achieve the best and balanced use of the island's coastal resources.

Part of that program, Guam has indicated, will be the delineation

## Open House Scheduled

Open House in honor of NOAA's Sixth Anniversary will be held by the National Marine Fisheries Service Middle Atlantic Coastal Fisheries Center's Sandy Hook, N.J., Laboratory on October 29.

# Proposed Tuna Fishing Regulations Designed To Reduce Porpoise Kills

## Data System Contract Let

The NOAA Data Buoy Office in Bay St. Louis, Miss., has awarded three contracts to the Magnavox Government and Industrial Electronics Company of Fort Wayne, Ind., for the addition of two environmental data acquisition systems for use on moored buoys, and for spare components and technical field/maintenance support of buoy deployments. The contracts total \$380,000.

The systems are used in buoys deployed in Continental Shelf regions, and are capable of transmitting meteorological and oceanographic data via satellite or by high frequency radio communications to a shore station. Meteorological data reported include wind speed and direction, air temperature, and barometric pressure. Oceanographic data reported are surface seawater temperature and spectral wave data.

The U.S. Coast Guard provides vessels to assist in the deployment, servicing, and retrieval of the Buoys.

## Miller To Direct ERL Observatory On Mauna Loa

Dr. John M. Miller, a veteran meteorologist and air pollution expert, has been named Director of the Environmental Research Laboratories' observatory on the slopes of Mauna Loa, Hawaii.

The observatory is part of a network maintained by the Geophysical Monitoring for Climatic Change program, which is operated by ERL's Air Resources Laboratories. Stations in the network make measurements of atmospheric constituents and weather variables at locations far from sources of human pollution—high on Mauna Loa; at America Samoa; Point Barrow, Alaska; and the South Pole—to discern long-term climatic trends.

Dr. Miller has served as a re-

*(Continued on page 3)*

The National Marine Fisheries Service has proposed new regulations for tuna fishing that will drastically reduce the number of porpoises that may be killed incidental to tuna fishing activities, and announced a public hearing on the regulations.

The proposed regulations, which apply to the 1977 fishing season, forbid all taking of six stocks, or species, of porpoises and whales, and severely restrict numbers that may be killed of each of 11 other species. The six stocks for which the proposed kill limit is zero are eastern spinner dolphin, whitebelly spinner dolphin, Costa Rican spinner dolphin, coastal spotted dolphin, melon-headed whale, and pygmy killer whale.

Porpoises, frequently found in association with schools of tuna, are often used by fishermen to locate the tuna, and some, in spite of the fishermen's best efforts, become caught in the nets and drown. Over half of the "sets" on porpoise have involved two of the stocks proposed for

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CAPT. J. C. KREFFER, DEPUTY HYDROGRAPHER FOR THE ROYAL NETHERLANDS NAVY, met recently with National Ocean Survey Director R. Adm. Allen L. Powell to discuss aeronautical charting and marine surveys and maps.

Capt. Kreffer was briefed by NOS Deputy Director Dr. Gordon G. Lill; Associate Director for Aeronautical Charting and Cartography Walter J. Chappas; and Associate Director of Marine Surveys and Maps Capt. Richard H. Houlder; and toured the NOS display center and the chart automation project

## Cooperative Education and Junior Fellowship Program in Boulder

The Cooperative Education Program of NOAA is a program that provides opportunities for undergraduate students at accredited institutions of higher learning to alternate periods of academic study with periods of study-related employment.

The purpose of the Junior Fellowship Program is to provide summer and vacation employment to academically motivated students who need financial assistance to attend college, with the expectation that they will pursue a Federal career.

Both of these programs have been actively supported by NOAA's Environmental Research Laboratories in Boulder, Colorado. Responsibility for operating these two programs in the Boulder area rests with Ms. Lois McCoy of Personnel Services in the Office of Research Support Services.

An important aspect of the Boulder Co-op and Junior Fellowship Programs is the Special Program activity phase of the student's work assignments with the Laboratories. The students meet each month with the Coordinator to discuss their work assignments and to learn

more about the mission of ERL through scheduled tours of the Laboratory. Tours of the National Bureau of Standards Cryogenics Division, Atomic Clock and Solar Observatory in NOAA's Space Environment Laboratory, and a weather briefing session at a Weather Service office were arranged this year for the students. One co-op student, Michael Dias, arranged and conducted a demonstration of the work done with the Electron Microscope by the Atmospheric Physics and Chemistry Laboratory. Special job assignments for several students included research trips and special field projects: one student visited the Marine Ecosystems Analysis Program's New York Bight Project Office to participate in a research cruise; another student spent several months with the Outer Continental Shelf Energy Assessment Program (OCSEAP) in Juneau, Alaska.

Due in great measure to the outstanding work contributions made by the co-op students and Junior Fellow Program participants, the two programs are recognized as valuable personnel resources by the Laboratory managers as well as vehicles for providing challenging and exciting educational opportunities for the students themselves.

### Junior Fellows



(First row, from left) Richard Schumann, Barbara Grant, Karen Umemoto, Debbie Freund, Sharen Vorce, Curtis Moore, and Steven Naranjo.

(Second row, from left): David Lovering, Allan Duncan, Tom Hildebrandt, Karen Vorce, Juan Northeross, David Snelling, Bob Larson, Bill Baumgartner, John Conway, Jim Gonzales, Frank Grady, Sam Pool, and Elisabeth Kellog.

### Use of Official Time for Employee Representational Functions

The U.S. Civil Service Commission recently published guidelines (Federal Personnel Manual Letter 711-120) concerning the use of official time for employee representational functions. "Representational functions" are defined as those activities undertaken by employees on behalf of other employees pursuant to such employees' right to representation under statute, regulation, Executive Order, or the terms of a collective bargaining agreement. It includes activities undertaken by specific, individual designation (such as the designation of a representative in a grievance action or an EEO complaint) as well as those activities authorized by a general, collective designation (such as the designation by a labor organization recognized as exclusive representative under E.O. 11491, as amended). For this purpose, "official time" is stated as all time granted employees to perform representational functions while otherwise in a duty status without change to leave or loss of pay.

NOAA will issue regulations concerning the authorization of the use of official time for such purposes in the near future. In addition, methods must also be instituted to record or account for use of official time for all representational functions. This information will be used in evaluating the reasonableness of the amounts of official time used in terms of its impact on NOAA operations and effective employee representation. The amount and nature of official time, as well as the procedures of recordkeeping, are of course, subject where appropriate to consultation or negotiation with recognized labor organizations pursuant to E.O. 11491, as amended.

In addition, several meetings have been held with Labor Management Relations representatives and the Civil Service Commission. At this time there are more questions than answers; however, both supervisors and employees should be aware of this issue.

### Cooperative Education Students



(From left) Jim Murashige, Bill Cartwright, Mike Dias, Rick Ochoa, John Guertin, Barbara Lachmann, Jerry Lopez, and Bill Woodward.

### Health Benefits Information

The U.S. Civil Service Commission has scheduled a health benefits "open season" during November 15-30, 1976. During this time, eligible employees may newly enroll and employees and retirees already enrolled may change from one plan or option to another or from self-only to family coverage. Employees not wishing to make a change in enrollment need take no action during the open season.

To enroll or change enrollment, employees should complete Standard Form 2809, "Health Benefits Registration Form," and forward it to their servicing personnel offices before the November 30, 1976, cut-off date. Changes and new enrollments made during open season will become effective the first full pay period in January 1977.

Prior to the "open season" each eligible employee will receive the following:

1. An "open season" instructions brochure (BRI 41-117).
2. Brochures for the two (2) Government-wide-plans (BRI 41-24, "Indemnity Benefit Plan" and BRI-25, "Service Benefit Plan").
3. Biweekly (BRI 41-212) or Monthly (BRI 41-213) Federal Employees Health Benefits Rates," as appropriate.

Eligible employees in an area serviced by a group or individual practice plan should receive a brochure for each plan in their area.

In the case of employee organization plans, the Commission is responsible for mailing brochures to the members of each organization.

Each employee should have a copy of Standard Form 2809-A "The Federal Employees Health Benefits Program." This brochure will not be distributed during the "open season." If you do not already have one, it can be obtained from your servicing personnel office upon request.

### Vacancy Notice

Listing of Vacancy Announcements will resume in the October 2, 1976, edition of Personnel Perspective.



**FOR 38 YEARS OF ORIGINAL AND SUPERIOR LEADERSHIP** in collecting, analyzing, assembling, publicizing and disseminating fishery market news to business and industry, John J. O'Brien, who was formerly in charge of the National Marine Fisheries Service Boston Market News Office, has been awarded a Department of Commerce Bronze Medal. Now retired, last year Mr. O'Brien received the first distinguished service award of the National Market News Association for his inspiring leadership in Market News.  
(From left) Mr. O'Brien, Mrs. O'Brien, and William G. Gorden, NMFS Northeast Regional Director.

## Dr. Miller To Direct Mauna Loa Observatory (Continued from page 1)

search meteorologist at ARL in Silver Spring, Md., since April of 1972. During his first year there, he was a Presidential Intern.

His special area of interest is the processes by which sulfates are washed or rained out of the atmosphere. While at ARL he established a precipitation chemistry program within the Geophysical Monitoring for Climatic Change program.

He served in the U.S. Air Force as a forecaster in Heidelberg, West Germany, and

## Proposed Tuna Fishing Regulations Designed To Reduce Porpoise Deaths (Continued from page 1)

zero kill limit.

The public hearing on the proposed regulations will be held November 15 at 10:00 a.m. in the Page Building, 2001 Wisconsin Ave., N.W., Washington, D.C. The formal hearing will be presided over by an administrative

as commander of the weather detachment at Loring Air Force Base in Maine. In 1967, he began four years of research and teaching at the Pennsylvania State University, winning a Public Health Service Traineeship from Penn State's Center for Air Environment Studies.

He received his B.S. in physics from Virginia Polytechnic Institute, an M.A. in international relations from Boston University, and an M.S. and Ph.D. in meteorology from Penn State. He also

law judge who will make recommendations to the NMFS Director. Individuals wishing to become parties to the hearing must file notice with the NMFS Director by October 21.

The eastern spinner dolphin is included on the zero kill quota because it apparently is depleted under the terms of the Marine Mammal Protection Act of 1972. The whitebelly spinner is listed because it suffered a recent population decline and estimates of foreign kill exceed the limited number that could be taken without causing further decline. The other four stocks, of lesser importance, were included because no population estimates are available.

These prohibitions are based on the conclusions of a group of scientists who are experts on population dynamics. After reviewing estimates made by this group at a July workshop, NMFS concluded that more stringent restrictions on fishing on porpoises

## OCSEAP Data To Be Synthesized

Science Applications, Inc., of La Jolla, Calif., has been awarded a \$447,782 contract by the Environmental Research Laboratories to help synthesize data and results from NOAA's Outer Continental Shelf Environmental Assessment Program.

The contract is part of a major environmental study conducted by ERL for the Interior Department's Bureau of Land Management. These studies seek to determine the probable ecological impacts of oil exploration and development activities on Alaska's outer continental shelf.

## The Outer Continental Shelf New Directives Manual Index Is Published

A new index to the NOAA Directives Manual has been printed and will be distributed soon. The index is a very comprehensive guide, and will help all staff members locate directives, which are a main source of NOAA reference material.

Each office will receive sufficient copies so that, in addition to the normal reference or record copies, each employee may have a copy for personal use.

Environmental Assessment Program currently involves approximately 150 individual scientific research projects with numerous universities and government agencies. These investigations include determining the effects of petroleum development on marine mammals and birds, fish, aquatic microorganisms, sea ice, and the chemistry and geology of the Gulf of Alaska, Bering, Beaufort, and Chukchi Seas. Additional studies are underway in physical oceanography and meteorology.

Scientists from the California firm will produce a variety of interpretive draft documents that can be applied to management decisions by the Interior Department on leasing and production.

Staff members from Science Applications, Inc., have established an Office in Boulder, Colo., site of OCSEAP headquarters.

## EDS Personnel Man OCEANS 76 Exhibit

About 30 Environmental Data Service employees either manned the NOAA display at OCEANS 76, the recent joint conference of the Marine Technology Society and the Institute of Electrical and Electronic Engineers, or provided materials for it.

Visitors used computer terminals to retrieve maps, charts, plots, and histograms as well as scientific literature and an index to data holders. Satellite weather imagery recorded by the National Environmental Satellite Service was displayed on video equipment along with microfilm images of data and data products from the Global Atmospheric Research Program Atlantic Tropical Experiment. Publications describing NOAA products and services were distributed.

must be imposed.

Additional limitations proposed by the regulations will forbid fishermen from encircling pure schools of any species of porpoise except offshore spotted dolphin and common dolphin, or any schools, mixed or pure, of the four species for which the kill limit is zero.

All boats with a permit to take marine mammals must also agree to take an NMFS observer aboard, upon request, to conduct research and observe operations. Other provisions of the regulations provide that marine mammals taken incidental to fishing be immediately returned to the ocean; that the fishermen take steps to minimize incidental kill and serious injury to marine mammals; that they maintain daily logs of all sets in which marine mammals are taken; and that certain types of gear and fishing procedures be used, including a larger area of small-mesh porpoise safety panel.

In addition, the proposed regulations provide that imports of yellowfin tuna will be banned until the NMFS Director makes a finding that foreign tuna fleets either conform to U.S. regulations or fish in such a way that death or injury to marine mammals is no greater than under U.S. fishing operations.

Failure to comply with the regulations, following their adoption, will subject fishermen to revocation of certificates permitting them to take marine mammals, and other penalties provided by the Marine Mammal Protection Act of 1972.

The proposed regulations, published in the Federal Register of October 14, are designed to replace regulations voided by a U.S. District Court on May 11, 1976. The decision was upheld by a Court of Appeals, which, however, stayed imposition of the order until January 1, 1977, to permit U.S. fishermen to complete the 1976 tuna fishing season.

## noaa week

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Articles to be considered for publication should be submitted at least a week in advance to NOAA Week, Room 221, WSC 5, Office of Public Affairs, National Oceanic and Atmospheric Administration, Rockville, Md. 20852.

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

Catherine S. Cawley, Editor  
Warren W. Buck, Jr., Art Director

## THE NOAA VOLUNTEERS

*This special section of NOAA Week pays tribute to the men and women of NOAA who, through their concern for their fellow humans, voluntarily contribute time, effort and funds towards the goal of improving the quality of life for those less fortunate.*

*It would be impossible to record all of the charitable voluntary activities carried out by NOAA employees, and this section cannot hope to do that. It does report information that had come to the attention of the various elements of NOAA and which were submitted by those elements to headquarters.*

*Sharing a common interest  
in the well-being of their  
fellow citizens...*

Dr. Robert M. White, Administrator of NOAA, has termed the voluntary action efforts of hundreds of NOAA employees "an admirable endeavor which reflects credit upon the individuals and upon the NOAA family."

Noting that volunteerism is a tradition seated in American history, Dr. White added:

"The extent to which NOAA personnel give of themselves through voluntary action should surprise no one; it is a reflection of the caliber of people who work for NOAA.

"I have the highest respect for NOAA volunteers and the burdens they have willingly assumed," Dr. White said. "They are making a valuable contribution to the Nation through their endeavors at NOAA, and to their communities through their voluntary actions."



NOT EXACTLY TYPICAL, BUT CERTAINLY A GOOD EXAMPLE, of NOAA employees' concern for others is this photo which shows Sydney Smith (right), Senior Vice President of NOAA Voluntary Action, Inc., presenting a check to Al Carter, owner of a Blind Industries-sponsored snack bar in NOAA's Rockville, Md., Headquarters, to cover his loss of uninsured property stolen during a recent break-in. The check, which included the entire cigarette inventory and a braille radio, was processed and presented within two hours of the time the problem was referred to NOVAC.

NOVAC is an all-voluntary group of approximately 750 people in the D.C. Area—primarily NOAA employees—interested in helping other individuals and community organizations needing financial assistance.

Don't look now, but your fellow NOAA employee may be leading a double life.

A recent, informal survey indicates that many NOAA people in their spare time are deeply involved in second activities which perhaps are every bit as meaningful as their government service.

These employees are participating in the traditional American practice of volunteerism; giving of their own time and energy for the benefit of those less fortunate.

Wherever there is a NOAA installation, employees can be found contributing to their community; some serving the community government directly, others involved in working through independent agencies, and still others on a one-on-one basis.

A listing of specific activities by individual NOAA employees would be almost endless. They're involved in counselling prison inmates, working in orphanages, coaching youth athletic teams, donating blood, collecting funds for many health agencies, working on inner-city programs, and on and on.

One thing in common that the thousands of NOAA voluntary action participants share is a consuming interest in the well-being of their fellow citizens; a desire to face up to problems in their local communities and do what they can as private citizens to help solve these problems.

It is impossible to even begin to list the NOAA people by name who give of themselves, they are so great in number. And many important contributions made by NOAA employees are unrecorded because the employees prefer to make their contribution without fanfare. A case in point; the unnamed employee who, while serving as a deacon in his church, somehow finds time to work with young people in trouble with the law, serve on a local government advisory committee, raise funds for a health clinic, personally help support an impoverished family, consistently donate blood, and give of himself as a Big Brother.

A review of the on-the-record voluntary activities of NOAA employees shows their concern is widespread. Perhaps typical are the activities of personnel in the National Geophysical and Solar-Terrestrial Data Center, EDS, in Boulder, Colo. Some of the voluntary activities carried on there within the past year:

Shirley L. Dupler and J. Virginia Lincoln participated in Project Get Ahead, a program of individual tutoring for elementary and junior high school students by Federal employees using Federal offices as a study hall;

Ms. Lincoln acted as a special judge at the Colorado State Science Fair;

Brenda Cook, a handicapped employee, took part in the March of Dimes Walk-a-thon, collecting \$354 by walking the entire 20-mile course;

Raymond O. Conkright, participating in the Fresh Air Program for inner-city youth, was host to two children from Kansas City and two from St. Louis for a week each at his ranch in the Colorado Rockies;

Meda Moore spent many off-duty hours working with members of the Black Student Alliance and the Native American Rights Fund at the University of Colorado, talking about Civil Service regulations and helping recruit minority professionals for the Civil Service Register;

And, finally, Ron Buhmann worked with the Atonement Lutheran Church to help a Vietnam family resettle in Boulder, assisting with visas, finding jobs and housing, and teaching English language and American customs.

Participation in health-related activities is wide-spread among NOAA people. Dr. Harold L. Crutcher, Science Advisor for the National Climatic Center in Asheville, N.C., for example, serves as

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## Sharing a common interest...

(Continued from page 4)

chairman of the area's Red Cross Blood Program Recruitment Committee, is a member of the Western North Carolina Red Cross Executive Committee, and a member of the Board of Directors and Executive Committee of the Asheville Chapter of the Red Cross.

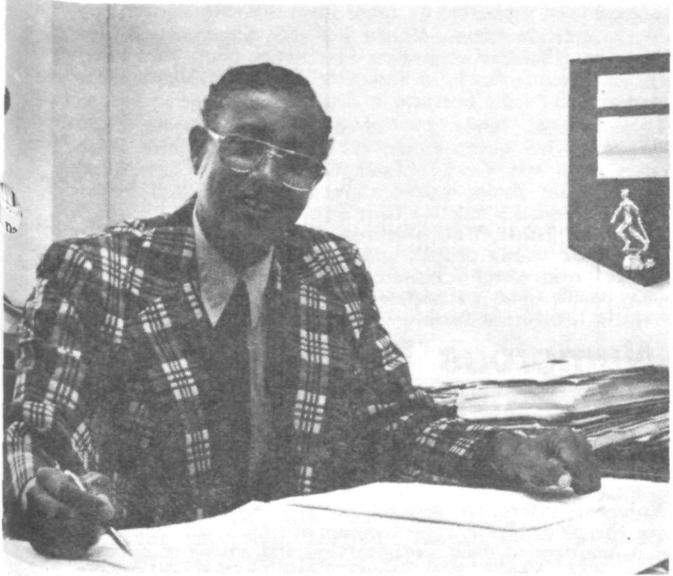
Ms. Julie Saposnekoo of NOAA's Finance Division in Rockville is a volunteer screener-counselor for the Free Bache Health Clinic in Bethesda; while Frank O'Donnell with NWS in Silver Spring has been an active leader in a number of drug abuse programs in Prince William County, Va.

Additionally, any number of NOAA employees are involved in donating blood; collecting funds for such worthwhile organizations as the American Heart Association, the National Cystic Fibrosis Research Foundation, and others; and one employee is on the annual corporate board of National Children's Medical Center in Washington.

Youth and their adjustment to society is another favorite area of interest to NOAA people. Many are involved in youth sports activities, including Wallace R. Watson, in the NWS Office of Hydrology. He is director of the Annandale, Va., Boys Club and is active in the Youth Soccer Program, District of Columbia/Virginia Soccer Association. A co-worker, Charles Schauss, is on the Board of Directors of McLean Youth, Inc., which sponsors year-round youth sports.

John Loveless, WSFO Anchorage, is director of all American Legion Baseball activities in Alaska, is a member of the Board of Directors of the Anchorage Babe Ruth League, and is active in the Boys Club of America; while James M. Grimes of the Personnel Division staff in Rockville is volunteer wrestling coach for the City of Rockville Recreation Department and coach of the Rockville Boys Baseball Association.

Out in Hawaii, John Taboniar of NWS is president of the Pony Division, Mililani Youth Baseball League for 13 and 14 year olds; while in Montgomery County, Md., the NWS' Ed Guy is practically Mister Youth Sports, himself.



Youth sports activist, Edward P. Guy.

Since 1967, Guy has been involved in youth sports activities in many capacities; coach of baseball, football and basketball for Wheaton Boys Club; commissioner of the Capital Area Basketball Program; commissioner of the Capital Area Football Program. In 1973 he received the Capital Area Basketball Award for organizing a Boys Club league, and last year he was presented the John Brawner Memorial Award by the Montgomery County Baseball Association for his outstanding leadership and good sportsmanship.

Another area of youth work also finds strong NOAA employee participation; working with disadvantaged youth.

In Kansas City, Maurice Ward of NWS' Training Center is setting up a task force to work with inner-city youth, inspiring them to continue their education and helping them find employment.

Also in Kansas City, Robert H. Johns of NSSFC has been involved since 1970 in the "Rebound" program, which concerns itself with assisting juvenile delinquents.

Many other NOAA employees, through church groups and other organizations, are similarly involved in youth work, including holding leadership posts in Boy Scout, Cub Scout and Girl Scout activities.

On their jobs, NOAA employees provide important and valuable services to the Nation. In their free time, it is apparent, many of these individuals are providing equally valuable services to their communities.

## NOAA Employees May Be Found In Police, Fire, Rescue Work



Rescue squad members, Harold Shantz and Scott Page.

The next time you see an ambulance or fire engine screaming down the road, look carefully. If you live in the Montgomery County area of Maryland, you may see a NOAA employee behind the wheel.

And if you live in Alaska, and the screaming vehicle is followed by a police cruiser, the driver of it might be a NOAA employee, too.

People from various elements of NOAA, in their personal voluntary action roles, serve as members of volunteer fire departments, rescue squads, and, in one instance, with a voluntary police unit.

Harold Shantz, a Nautical Cartographer with NOS in Rockville, is one of these people. For the past 15 years he's been a volunteer with the Wheaton Rescue Squad, and now holds the rank of Captain. Each week he contributes a minimum of 25 hours of his time, and his duties include serving as shift Captain, driving ambulances, and serving on the squad's special cardiac unit.

Serving with Shantz is Scott Page from the Personnel Division staff, Rockville. He, too, has served for 15 years, giving a minimum of 14 night duty hours every week.

In neighboring Kensington, Herb Austin of NMFS is a sergeant with Engine Company 21 of the Kensington Volunteer Fire Department, Montgomery County Fire and Rescue Service. In addition to his routine duties as a volunteer fireman, Austin also is an instructor in cardio-pulmonary resuscitation for the American Heart Association.

James W. Bordas of NOAA's Finance Division in Rockville may hold the record for length of voluntary service with a fire department. He's been an active volunteer fireman and rescue squad member with the Greenbelt Volunteer Fire Department and Rescue Squad for 24 years. A certified fire pump operator and driver, as well as an ambulance driver, Mr. Bordas also is a certified emergency medical technician. Possibly most satisfying to him, however, is the fact that two of his sons have become active volunteer members of the Greenbelt firefighting unit.

In Juneau, Alaska, members of the NMFS office there serve on the Auke Bay Voluntary Fire Department and with the Alaska Peace Officers Association. And Dale Morrison of the Management Services Division of NWS in Anchorage is a lieutenant in the Anchorage Voluntary Police Unit.

After attending a mini-police academy training course for two nights a week over a three-month period, Morrison joined the volunteer police organization three years ago. Since that time he has given some 1,800 hours of service. He generally works Friday and Saturday nights - 10 hours each night - usually in a patrol car with a regular police officer, doing all types of police work.

## Gulf Fisheries Center Contributes Personpower For Local Activities

Employees of the Gulf Fisheries Center are actively engaged in a number of civic activities at their locations in Galveston and Port Aransas, Tex., and Panama City, Fla.

These include direct involvement in the Lions Club, several Little Leagues, the Oleander Chapter of the American Business Women's Association, the Eta Psi chapter of Beta Sigma Phi, and Science Incorporated.

One individual is an elected member of a school board, and another is involved in the local little theater as well as preparation for a Bicentennial pageant. Several staff members are actively engaged in church programs.

# NOAAites Show They Care -- Scores of Children "Adopted"



Children "adopted" by NOAAites include Donna, Fernando, Robert, and Rosmery.

Scores of children—from all parts of the world—have a better life because of concerned NOAA employees who singly and in groups have "adopted" them.

NOAA personnel from Rockville to Hawaii—with points like Kansas City, Suitland, and Silver Spring also recorded—are involved in a variety of child support programs.

The interest of a number of employees both in Silver Spring and Kansas City apparently was aroused by Allen D. Pearson, now Director of the National Severe Storms Forecast Center in Kansas City.

Pearson's interest in children came to light in a report on voluntary action by NOAA personnel supplied by Charles E. Lambert, with NWS in Silver Spring.

"There's a small group of Foster Parents in the Meteorological Services Division, Office of Meteorology and Oceanography, NWS, who have adopted a three-year-old Bolivian girl," Lambert wrote.

"This group had its start about 12 years ago when Al Pearson reported to National Weather Service (then the Weather Bureau) Headquarters to be Chief of the Emergency Warnings Branch. Since that start, Al has left us for a more challenging job (where he started another Foster Parents Chapter) but left us the eminently satisfying pleasure of being Foster Parents. Recently, we got big enough to split into two Foster Parents groups—the other one being composed of people from other NWS Headquarters offices. We've had many foster children before our little Bolivian girl—a Philippines boy (now a young man) and several children in Viet Nam."

As might be expected, the Foster Parent concept is big in Kansas City. Richard F. Myers, Director of the NWS Technical Training Center there, described his organization's participation:

"Twelve members of the NWSTTC have joined together to 'adopt' a foster child through Foster Parents Plan, Inc. Since 1971, they have supported a child named Fernando in the Philippines through monthly donations. Each month they receive a letter from Fernando's family and in return write about their experiences in the United States. Annually, they receive a picture of Fernando and a progress

report on the family. They've watched Fernando grow from a sickly six-year-old into a healthy lad of eleven.

"Foster children have been a part of the Joel Wertman family since 1962," Myers' report continues. "They have made a temporary home for 22 teenagers in all. One girl lived with them for five years and they recently took in a six-year-old mentally retarded boy. Mr. and Mrs. Wertman (he is with NWSTTC - Ed.) feel their own three children will be better prepared for life by meeting and living with children from other backgrounds. When asked, the Wertman's say there is always room for one more. They have eight foster grand children and keep in touch with most of the grown children."

Lois Allin of Personnel Division staff in Rockville also is involved in a "foster parent" plan, serving as liaison for a group of individuals who support an American Indian child. Similarly, Tom Aston of the Facilities Operations Division in Suitland also makes life different for children.

Under his guidance, approximately 25 employees contribute to the support of a 10-year-old Indian boy in Montana, and a 14-year-old Indian girl in New Mexico. In the past, as many as four children at a time have been supported by funds from this special activity.

On an individual basis, Marvin J. Walsh, Electronics Program Officer at the NWS Pacific Region Electronics Shop, and his wife are attending Mid-Pacific Institute in Hawaii.

Helping raise funds for an organization serving handicapped youngsters, NWS Alaska employees Denis Bigler, Bonnie Finch, Jessie Hansen, Terri and Vicki Johnson, Caroline Nibler, Lisa Rhodes, and Chris and Kim Shults walked a grand total of 380-plus miles. They collected 20 cents a mile for their charity.

Robert G. James, WSO, Victoria, Tex., also is interested in career guidance for young people, and is in almost daily contact helping guide youth in career selection. During the past year he helped two young people who participated in an oratorical contest and progressed to the district finals.

## Personnel Become Involved In Church-Sponsored Activities

Voluntary action is closely tied with the churches of some NOAA employees and their activities are either church sponsored or church related.

Richard Cole, an NOS cartographic technician in Rockville, became interested in the area in which he volunteers through a church sponsored group which visited nursing homes on a regular basis. He now makes regular weekly visits to elderly residents at nursing homes in Wheaton and Bethesda. Most nursing homes are pleased to have visitors for their patients, Cole points out, adding that he has found the best method is not to visit patients throughout the nursing home but to zero in on a few patients and visit them on a regular basis.

E. W. Atkins, NWS technical services, Silver Spring, is involved, through church activity, in providing food, clothing, and furniture for needy persons in the Herndon-Reston area. Additionally, through the Lions Club, Atkins works with the blind, deaf, and other handicapped persons, and through the U.S. Geological Survey participates in a "meals-on-wheels" program through which volunteers deliver meals prepared by the USGS cafeteria to the elderly and other shut-ins.

Some of the voluntary activities of William M. McMurray, Deputy Director of the National Climatic Center in Asheville, are directly in support of his church, the United Methodist Church. He is an Assistant Lay Leader and a certified Lay Speaker. He also contributes time and talent in support of the Asheville United Way program, serving on the Board of Directors of the North Carolina Community Services. McMurray is a past president of the Asheville Kiwanis Club and the County Youth Council.

It was through the Catholic church that Kent Hughes of EDS headquarters became involved in providing food, shelter and financial assistance to a South Vietnamese refugee family.

## Numerous Volunteers Found In Northwest Fisheries Center

Seattle is an important NOAA center, and, increasingly, NOAA employees are becoming important factors in numerous Seattle voluntary activities.

Volunteer efforts by personnel of the Northwest Fisheries Center prove the point. Employees there are officers and members of boards and committees of many organizations, and are active in conservation groups, PTA, YMCA, Boy Scouts, Little League, Girl Scouts, blood donor programs, and as advisors and counselors for disadvantaged and minority students.

Talks, demonstrations, and tours have been given after hours to a number of groups, and among individual voluntary activities performed by the Seattle employees are:

Trustees, non-profit retirement homes for low-income elderly; chairman, a law and justice action group, school board chairman; fund raiser, cystic fibrosis; president, county respiratory diseases organization; program chairman, Red Cross Disaster Committee; finance chairman and senior ski patrolman, National Ski Patrol System; member, Civil Defense rescue team; member, Ecological Interdisciplinary Committee advising State Department of Natural Resources; coach, Catholic Youth Organization; coach, Kennedy Foundation Special Olympics; member, Mountaineers outdoor conservation organization.

## Resource Utilization Staff Helps Out

Employees of NOAA's Office of Resource Utilization, NMFS, Washington, D.C., appear to be a major resource themselves, which their communities are happily utilizing.

Their voluntary action includes membership in Big Brothers; president, Virginia Game Preservation League; working with exceptional children, teaching and arranging recreational activities; blood donors; public school fund raising to purchase school equipment; Scouting and educational activities.



Civic-minded Personnel Division employees Toba Watts and John Williams.

# Training, Personal Interests Useful For Voluntary Projects

For many NOAA employees, voluntary activities are a direct extension of their professional life or of their individual hobbies and interests.

A case in point is the favorite project of Washington WSFO meteorologists Thomas Blackburn and Stephen Flood. Evenings and weekends, they and other volunteers make the Washington Volunteer Weather Network—itsself an outstanding example of voluntary action—work.

The network makes possible detailed, historic data on temperature and precipitation in the Metropolitan Washington area. Some 300 volunteers, recruited from high school meteorology clubs, 4-H clubs, Boy Scout troops, churches, the elderly, and the like, keep temperature and precipitation records for their location, and file a monthly report. Some of the volunteers have gone on to take up meteorology as a career.

Blackburn and Flood coordinate activities and plot and analyze the mass of data into a monthly weather summary that is distributed to each observer and other interested groups, such as local governments, for their use in such areas as drainage and flood control.

Cris Hernandez, Real Property and Claims Branch, Rockville, is interested in keeping up his multilingual capability, and he has turned this interest into a meaningful voluntary activity. Each Saturday he spends the day at Dulles International Airport outside Washington at the International Visitor Information Service. This is a voluntary service organization which provides multilingual assistance to international visitors to the Nation's Capitol, and through which, Hernandez gets plenty of multilingual experience.

Harry Rice, NWS Technical Services, Silver Spring, puts his meteorological training to good use in a voluntary sense, conducting free courses in meteorology and navigation for boaters. He is education officer for the Prince George's Power Squadron.

A number of years ago, Robert Y. P. Chun of NWS, Hawaii, became interested in scouting when his son became a Cub Scout. Now, after 13 years—and with his son having moved up through scouting to become an Eagle Scout—Chun is still involved, serving as a committeeman for the local troop.

Two Kansas City Field Finance Office employees, Joyce Branom and Pamela Poindexter are actively involved in work with area orphanages through the National Weather Women's Club; while a third employee, Rose Mary Agar, Finance, Rockville, through her membership in Beta Sigma Phi, visits and entertains at a Greenbelt convalescent home, and provides Christmas gifts to the retarded at two Maryland state hospitals.

Jubilee Housing, Inc., is the favorite charity for Evelyn Boston, Chief of the Technical Support Section, NWS Techniques Development Laboratory. For three years she has been a volunteer working, helping improve housing conditions and quality of life for the inner city poor.

## Personnel Division Employees Active In Numerous Community Service Jobs

Two staff members of NOAA's Personnel Division appear to be setting records for voluntary action. Both Toba Watts and John Williams are deeply involved in serving their communities.

Watts has compiled the following list of activities: Active member, Board of Directors, Far East Federal Credit Union; serves as chairperson, Board of Trustees of Church; served as president and a board member of River Terrace PTA, 7 years; chairperson and member Boy Scout Troop, 8 years; chairperson, River Terrace Youth Agency, 6 years; member, 6th District Crime Council, 1 year; board member, Far East Advisory Council, 2 years; board member, Woodson Junior High School PTA, 3 years; volunteer teacher, Rabvat Junior High School, 3 months; member, Far East Beautification Committee, 2 years; vice chairperson, Area 18 NPC, 1 year.

Williams is charter president, Damascus Area Optimist Club; Webelos Den Leader, Cub Scout Pack 1438; active in various tribal offices of Upper Montgomery County YMCA Indian Guides; fourth and ninth grade CCD teacher.

Others in the Personnel Division who are active include Connie Johnson who, as a member of Questors, Inc. helps provide scholarships for young people, and also is a member of the Montgomery County Chapter, National Council of Negro Women; Linda Trunzo, who is a group leader, Council on Alcoholism, Fairfax County; and Connie Zarbo who is a council member, American Society of Public Administration, State of Maryland.

## Employees Serve Communities Through Local Governments

A number of NOAA employees are using their professional knowledge to the advantage of the communities where they live, serving on a variety of municipal boards and committees.

Richard Myers, Director of the NWS Training Center in Kansas City, and his wife both were elected to the Kansas City Parks and Recreation Department's advisory council on the strength of their interests in the environment. As council members, the Myers participate in setting policies for outdoor recreational activities supported by the Parks Department.

In Frederick, Md., David Curtis, a NOAA research hydrologist, has been called upon several times by the Frederick County planning staff to prepare reports discussing the streamflow characteristics of various county streams. The reports have aided staff members in development of regional land-use plans.

Additionally, Curtis serves as the Water Resources Technical Advisor to the Frederick County League of Women Voters, which is conducting an inventory of the quantity and quality of current water supplies, as well as alternative methods of developing future supplies. Last year, he helped organize a stormwater management seminar to inform local engineers and planners about new stormwater management techniques.

Several NOAA employees are members of school boards in communities where they live, while in Seattle, NMFS employees serve as President of the Board of Water Commissioners, King County Water District Number 104; District Finance Chairman for the Green River District; and members of the City of Bellevue Comprehensive Plan, as well as members of various community development, land planning, community budget, and advisory planning committees.

Closer to headquarters, another NMFS employee is a member of the City of Bowie's Environmental Committee.



Washington Volunteer Weather Network leader Thomas Blackburn.



**SPECIAL ACHIEVEMENT AWARDS** for consistently producing work of high quality with limited manpower and facilities were recently presented to four members of the Environmental Research Laboratories instrument shop in Boulder, Colo: Kenneth L. Nuss, Foreman; Barthould G. M. Bouricius; Michael P. Cawley; and Peter G. Karas. They were cited for fabricating detectors and other devices—often one-of-a-kind instruments—which contributed significantly to the success of research projects, meeting and frequently exceeding the rigorous requirements for experimental scientific apparatus operating in the environment.

(From left) Mr. Cawley; Mr. Karas; Mr. Nuss; Mr. Bouricius; Charles Purdy, Supervisor; Jack Kemper, Director of Boulder Laboratories' Research Support Services; and William G. Priestly.



**PARTICIPANTS IN THE RECENT AGRICULTURAL WEATHER SERVICE PROGRAM MEETING** in Fort Worth, Tex., were (front row, from left) Joe Sassman, Aviation and Special Services Meteorologist, and Jack Riley, Chief Meteorological Services Division, NWS Southern Region Headquarters; Harry Hassel, Agricultural and Climatological Meteorologist, NWS Western Region Headquarters; Johnny Smith, Special Services Meteorologist, NWS Central Region Headquarters; Eugene Kilgore, Public Service Meteorologist, Eastern Region Headquarters; (standing, from left) Ray Richardson, Chief, Hydrologic and Substation Networks Branch, NWS Headquarters; Dr. Ray Jensen, Director, Environmental Science Study Center, College Station, Tex.; Dr. H.R. Glahn, Deputy Director, Techniques Development Laboratory, and Harold Scott, Chief, Agricultural Weather Services Branch, NWS Headquarters.

## Delaware Receives Sea Grant *(Continued from page 1)*

dustrial and residential pressures resulting from man's activities along Delaware's coastal zone, a number of projects in coastal and ocean engineering are planned under this year's grant to deal with coastal erosion.

Included will be a study of beach erosion due to extreme storms and an examination of the effect wind has on sand dunes, one of nature's most important protective barriers along the shore.

In a related project dealing with

the socio-economic aspects of the coastal zone, researchers will determine the relative capacity of certain areas to absorb the substantial impact expected from offshore oil and gas exploration off the mid-Atlantic coast. Coastal counties of New Jersey, Delaware, and Maryland will be surveyed to assess the possible effects of the offshore oil development. The results of the study should be of particular value to local management and planning agencies.



Mr. Barazotta

Mr. Budd

Richard M. Barazotta and

James R. Budd of the National Environmental Satellite Service have received certificates for successfully completing NOAA's 20/20 Upward Mobility Training Program.

Mr. Barazotta, an oceanography major, has been attending George Washington University.

Mr. Budd, in addition to attending Mary Washington College, has been taking correspondence courses from Pennsylvania State University.

## calendar of events

October 21-23 Joint meeting of the Midwestern Region of American Geophysical Union and the Eastern Section of the Seismological Society of

America. (Cynthia Beadling, AGU, 1909 K St., N.W., Washington, D.C. 20006. 202-331-0370.)

November 8-10 "The Decade Ahead," the Ninth Annual Conference of the Sea Grant Association, co-hosted by the Sea Grant Programs at the

University of Southern California and the University of Hawaii. (Dorothy Bjur, USC Sea Grant Programs, SSW 308, University Park, Los Angeles, Calif. 90007. 213-746-6068.)

Nov. 28-Dec. 1 Fourth International Congress of the World Wildlife Fund. (See item in *NOAA Week* dated April 2, 1976.) (Dawn Herrmann,

World Wildlife Fund, Fourth International Congress, 1319 Eighteenth St., N.W., Washington, D.C. 20036. 202-466-2160.)

December 6-10 American Geophysical Union 1976 Fall Annual Meeting. Deadline for receipt of abstracts was September 10, but post-deadline

abstracts will be considered. (Cynthia Beadling, AGU, 1909 K St., N.W., Washington, D.C. 20006. 202-331-0370.)

September 6-8, 1977 "New Processes of Waste Water Treatment and Recovery," international symposium, organized by the Water and Environment Group of the Society of Chemical Industry and the Environment Group of the Chemical Society of London. Deadline for submission of noti-

cation of intention to submit papers, provisional titles, and 300-word abstracts is December 31, 1976, and full papers, March 31, 1977. (Dr. D. H. Sharp, General Secretary, Society of Chemical Industry, 14 Belgrave Square, London, SW1X 8PS, England.)

September 10-25, 1977 Downunder 77, the Fifth World Underwater Congress of the Confederation Mondiale des

Australians, organized by the Australian Underwater Federation, and to be held in conjunction with the Second International Conference on Artificial Reefs, the First World Symposium on Underwater Sports Medicine, International Conference on Maritime Archaeology, and International Conference/Workshop on Underwater Photography. Three days of technical sessions in Brisbane, Queensland, will be followed by 12-day Congress/Cruise of the Great Barrier Reef and the Coral Sea (by about one-fourth of participants in the opening sessions). Advance deposits (A\$200) are payable now a first-come, first-served basis in conformance with restricted contingents allocated to various regions of the world. (Downunder 77, P.O. Box 67, St. Lucia, Queensland. 4067. Australia.)

Oct. 11-13, 1977 Chapman Conference on Oceanic Fronts. Sponsored by the American Meteorological Society, the Office of Naval Research, and

the American Geophysical Union. Deadline for preliminary abstracts is November 1, 1976, and for revised abstracts, April 1, 1977. (Cynthia Beadling, AGU, 1909 K St., N.W., Washington, D.C. 20006. 202-331-0370.)



# **National Oceanic and Atmospheric Administration**

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