NOAA NEWS 4/7

VOLUME 3 NUMBER 7 APRIL 7, 1978

ERL In Hawaii Part of New Joint Institute

Tsunami research at the University of Hawaii has combined with the Environmental Research Laboratories of NOAA to form the Joint Institute for Marine and Atmospheric Research (JIMAR).

The new institute is expected to increase the effectiveness of oceanic, atmospheric, and geophysical research being conducted by NOAA and several departments at the University.

Scientists working on problems of mutual interest may meet at the institute and it will also be a center to train scientists in disciplines involved in the oceanographic, atmospheric, and geophysical sciences.

Dr. Charles Helsley, director of the Hawaii Institute of Geophysics (HIG) at the University, has been named interim director of JIMAR.

According to Helsley, the institute will maintain a strong emphasis on long period waves and tsunamis, but in the future it will implement more programs to broaden the scope of marine and atmospheric research.

NOAA is providing approximately $150,000 to JIMAR and will assign three of its personnel to the institute.

There is also a fellowship program with enough funds to host three visiting scientists from other institutions in the U.S. or other nations.

JIMAR is an outgrowth of the Joint Tsunami Research Effort operated by HIG and NOAA on the Manoa campus. It was located at HIG and was organized and led by the late Dr. Gaylord Miller from 1965 until his death in 1976.

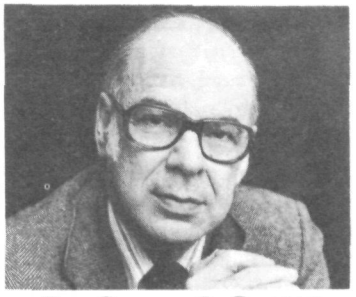
Dr. John Apel, director of NOAA's Pacific Marine Environmental Laboratory (PMEL), Dr.

(Continued on p. 2)

Associate Administrator Named

Dr. George S. Benton, former President of the American Meteorological Society and former Vice President of Johns Hopkins University, has been nominated by President Carter as Associate Administrator of NOAA. The nomination requires confirmation by the Senate.

Administrator Richard A. Frank said Benton, one of the Nation's leading authorities in the atmospheric, oceanic, and hydrologic sciences, will significantly strengthen NOAA's management team.



Dr. George S. Benton

Benton received his bachelor and doctorate degrees at the University of Chicago, and joined the faculty at Johns Hopkins in 1948. He was appointed Professor of Meteorology there in 1957, and Chairman of the Department of Mechanics in 1960.

For three years—from 1966 through 1969—he was Director of the Research Laboratories of the Environmental Science Services Administration, a predecessor agency of NOAA. In 1970 he returned to Johns Hopkins as Chairman of the Department of Earth and Planetary Sciences. He became Dean of the Division of Arts and Sciences in 1971, and Vice President of the Homewood Divisons in 1972.

In addition to gaining an international reputation for his academic activities, Benton is professionally recognized for his research, which has been primarily concerned with the mechanics of rotating and stratefied fluid systems, including the atmosphere and the oceans.

WMO Secretary-General David Arthur Davies (left) congratulates Dr. George P. Cressman, Director of the National Weather Service, on winning the International Meteorological Organization Prize.

Top Meteorological Prize Goes to Director of NWS

Dr. George P. Cressman, Director of the National Weather Service, has received the highest honor bestowed by the World Meteorological Organization—the International Meteorological Organization Prize.

Dr. Cressman was honored for "outstanding work in meteorology and international collaboration" in the improvement of global weather forecasting. The prize consisting of a gold medal, a citation, and $1,200, was presented by Dr. David Arthur Davies, Secretary-General of the World Meteorological Organization.

The WMO cited Dr. Cressman for his participation in international meteorological programs throughout his career, adding: "His pioneering work in numerical weather prediction was widely used throughout the world during the early development days of the electronic computer. The results of some of his other research work led to other operational uses with the computer."

Responding to the award, given at ceremonies March 28 at the World Weather Building near Washington, Dr. Cressman said:

"The science of numerical simulation of the atmosphere has developed to the stage where we can now make spectacular forecasts of events such as February's Northeast blizzard. We will be able to push back the barriers to longer range predictions. In doing so we will be able to improve the usefulness of weather services for the protection of lives and for the benefit of National economies. We are truly lucky to be working in the field of meteorology, where such exciting and useful developments are happening."

Researchers Fly to Scene Of Oil Spill

A NOAA Spilled Oil Research Team was dispatched to Europe in late March to study the environmental impact of the massive spill off the coast of France by the supertanker Amoco Cadiz.

(Continued on p. 2)

Vessel Sinkings, Erosion To Be Studied Under Grants

Studies into the causes of fishing vessel sinkings and accidents and how to predict the magnitude of beach and dune erosion caused by storms will be carried out under NOAA Sea Grants recently made the University of Washington and the State University System of Florida.

A $1,794,000 grant to the University of Washington will go toward a study being done in cooperation with NOAA's National Marine Fisheries Service, could result in saving lives and millions of dollars worth of fishing craft, the scientists believe.

The researchers plan to compile an extensive record of accidents involving commercial fishing vessels so that a permanent Fishing Vessel Safety Analysis Center, similar to the military's Aviation Safety Centers, can be established.

Benefits of such a data base, say the researchers, will be availability of information from a single source, more accurate statistics, more effective safety programs, and wider dissemination of the underlying causes of accidents with anticipated reductions in losses of lives and vessels.

In addition to the study into fishing vessel casualties, other new projects being initiated this year include an investigation into the distribution, abundance, growth, and residence time of juvenile salmon in the Skagit salt marsh; a program, along with industry, on genetic improvement of salmon being raised in pens; a study into the economic impact of marine recreational boating in Washington, being undertaken in cooperation with the Northwest Marine Trade Association; and, a program to develop teaching materials for two sequential courses outlining how to use environmental information in making decisions in coastal management.

The State University System of Florida has received a $1,260,000 Sea Grant to be used, in part for a study of beach and dune erosion.

The main factors involved in the highly complex nature of erosion processes are high water levels, increased wave activities, and the material composition of the beaches and dunes. These will be studied in field tests, after which laboratory experiments will evaluate storm duration effect, the characteristics of nearshore and beach-dune profiles after storms, the effect of repeated storms, and actual measurements compared to those deduced from analysis.

Ronald Catron, center, of NOAA Graphics in Rockville, Md., recently received a certificate of achievement as the NOAA Xerox 9200 Operator of the Year. In a ceremony at NOAA headquarters, the award was presented by Xerox's "Brother Dominic." Frank Christhilf, NOAA Handicapped Coordinator, participated in the presentation.

Industrial Fair

10,000 Visit NCC Exhibit

The National Climatic Center in Asheville, N.C., was a key exhibitor at the annual Western North Carolina Industrial Fair held at the Asheville Civic Center, January 26-29. More than 100 other industries and businesses located in the Asheville area participated. The four-day trade exhibit was attended by nearly 25,000 visitors; 10,000 persons visited the NCC booth. The theme of NCC's 20-foot exhibit was contributions to the community, and specialized worldwide services. Slides complemented the display and a programmable calculator with plotter provided graphs of the weather characteristic to the local area. Forty NCC volunteer meteorologists and meteorological technicians staffed the booths and distributed printed material, answered questions, and explained NCC's functions.

Joint Institute *(From p. 1)*

D. James Baker, Jr. of PMEL in Seattle, Dr. Harold Loomis, and Dr. Lester Spielvogel of PMEL's Joint Tsunami Research Effort in Honolulu were named senior fellows of the new institute. Also named as senior fellows representing the University are Dr. Charles Helsley, Dr. William Adams, Dr. Robert Harvey, and Dr. Martin Vitousek of the Hawaii Institute of Geophysics.

NOVAC Elections Slated April 27

Elections for members of the Board of Directors, NOAA Voluntary Action, Inc. (NOVAC), will be held Thursday, April 27 at noon in WSC-5, Room 926 during the Annual Membership Meeting. A total of 15 persons may be elected. Those wishing to be nominated should contact their Area Vice-President; President, Polly Shanker (443-8261); or Senior Vice-President, Keith Johnson (763-8071) no later than Monday, April 17. Ballots will be available to those who were members of record on April 15 at the annual meeting or from President Shanker after April 20.

New Cap Devices For NOAA Corps Now Available

The NOAA Corps Metal Cap Device can now be ordered through the Insignia Custodian, ACO, NOAA Officer Training Center, NC21, U.S. Merchant Marine Academy, Kings Point, NY 11024. Do not send money with your order. The Insignia Custodian will bill you $6.00.

Spill *(From p. 1)*

Project Manager for the NOAA team is David M. Kennedy of ERL's Outer Continental Shelf Program (OSEAP) Office. Others with the group studying the worst coastal oil spill in history were ERL Director Wilmot N. Hess, John A. Caulder, John Kineman, Dr. Jerry Galt, and John Robinson of ERL; Dr. Ford Cross of the NMFS Beaufort Laboratory; Peter L. Grose of the EDS Center for Experiment Design and Data Analysis; and Roland D. Paine of the NOAA Office of Public Affairs. Several university scientists and contract personnel rounded out the team.

EDITOR'S NOTE

It is with some regret that I leave NOAA News this week, after a most rewarding year as your editor. I have accepted a job with the DOC Office of Communications at Main Commerce. Before I go, I want to thank all of you for your tremendous support this past year; your efforts made possible many interesting NOAA News items that otherwise might have gone unreported. Keep up the good work! Until the selection of a new permanent editor, just send your contributions to Editor, NOAA News. Thanks again for all the help you gave me. I'll miss you.

—Nancy Pridgeon

NOAA Diver Accident Victim During N.Y. Bight Research

Douglas Fewer, an oiler and diver on the NOAA Ship George B. Kelez, died March 29 during a research dive in the the New York Bight off Long Island.

Fewer and another diver, Richard Rutkowski of the Atlantic Oceanographic and Meteorological Laboratories in Miami, were collecting water samples on the ocean floor at a depth of about 47 feet when the accident took place. According to Rutkowski, Fewer suddenly disappeared while the two men were working. He was found unconscious on the surface.

Fewer was picked up by a Coast Guard cutter in the area, transferred to an Air Force helicopter, and flown to Groton, Conn., for treatment in a hyperbaric chamber, but was pronounced dead on arrival there.

NOAA has appointed a fact-finding committee to investigate the accident; the first fatality involving a NOAA diver in the Administration's history. The investigating committee includes Lt. Cdr. Abram Y. Bryson, Jr., and Cdr. John T. Atwell of the Atlantic Marine Center, and Dr. Morgan Wells of NOAA's Manned Undersea Science and Technology Office.

Fewer had been with NOAA since 1974 and was a certified diver.

New Service Of EDS Aids Data Search

The Library and Information Services Division of EDS' Environmental Science Information Center has added a new dimension to its computerized literature search services. LISD can now execute a data base search from its Rockville headquarters and have the results printed simultaneously on a terminal screen at another location to fill emergency requests. This capability is accomplished through telephone conference searches arranged by LISD search analysts with requestors who may also monitor the search strategy.

NOAA NEWS

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

Articles to be considered for publication should be submitted at least 10 days in advance to *NOAA News*, Room 221, WSC5, Office of Public Affairs, National Oceanic and Atmospheric Administration, Rockville, Md., 20852.

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

Nancy Pridgeon, Editor
Warren W. Buck, Jr., Art Director

Forecasters Assist NASA Shuttle Move

Richard Freund and James McKay, Weather Service Special Project Branch forecasters at the Manned Space Flight Center (MSFC) in Huntsville, Ala., were actively involved in the move of the Shuttle Orbiter from Houston to Huntsville on Monday, March 13. Thunderstorm activity moving through from the west was forecast to be in the Huntsville area through the late evening and into the early hours of Tuesday. Heavy rain, hail, and strong gusty winds were expected and subsequently observed. This limited the amount of work that could be done with respect to demating the orbiter, but with close liaison between the forecasters and NASA operations staff, loss of time was kept to a minimum. Weather support activity of this type, involving the "Enterprise" and associated hardware, will continue at MSFC for the next 9 months.

New England Fisheries Plan Set Major Species' Quotas

The National Marine Fisheries Service has approved the New England Fishery Management Council Plan of February 17 regulating the fishery for cod, haddock, and yellowtail flounder.

Regulations implementing the plan have been issued effective April 1. The regulations, incorporating quotas set by the New England Council, may remain in effect until June 30, by which time final regulations will have been published.

For the next three months, the quotas, adjusted to take into account the historic seasonal catches, are:

For Cod, Gulf of Maine, 1,760 metric tons, and elsewhere, 6,130 metric tons; for haddock, 3,160 metric tons; and for yellowtail flounder, east of 69 degrees, 950 metric tons, west of 69 degrees, 830 metric tons.

The new regulations increase the annual commerical fishing quota for haddock and cod. The annual quota for yellowtail flounder was decreased. Details of the regulations are available from NMFS.

NOAA, University of Texas To Share Port Aransas Lab

NOAA and the University of Texas have reached a cooperative agreement to share the National Marine Fisheries Service's laboratory at Port Aransas, Tex.

NOAA has been working actively to find a suitable use for the facility since it became necessary to suspend temporarily the Federal programs at the laboratory.

The University will operate the facility as part of its Port Aransas Marine Laboratory, University of Texas Marine Science Institute, and will build a major program for mariculture research and teaching there.

The University also will provide space and facilities to the Texas Parks and Wildlife Department.

As part of the mariculture program, the University will make free space available to other institutions, agencies and schools for research and development projects which are compatible with that program.

The University will operate and maintain the three-building, 22,250 square foot facility, at no cost to the government for three years, with an option for a two-year extension. One Federal employee will remain at the laboratory, and the few remaining Federal workers will be assigned to other National Marine Fisheries programs on the Gulf Coast when the University occupies it.

At March 10 ceremonies in Washington, NOAA Director Richard A. Frank signs a cooperative agreement to share the NMFS Port Aransas, Tex., laboratory with the University of Texas. Also participating were Dr. Lorene L. Rogers, President of the University of Texas at Austin, and Texas Congressman John Young.

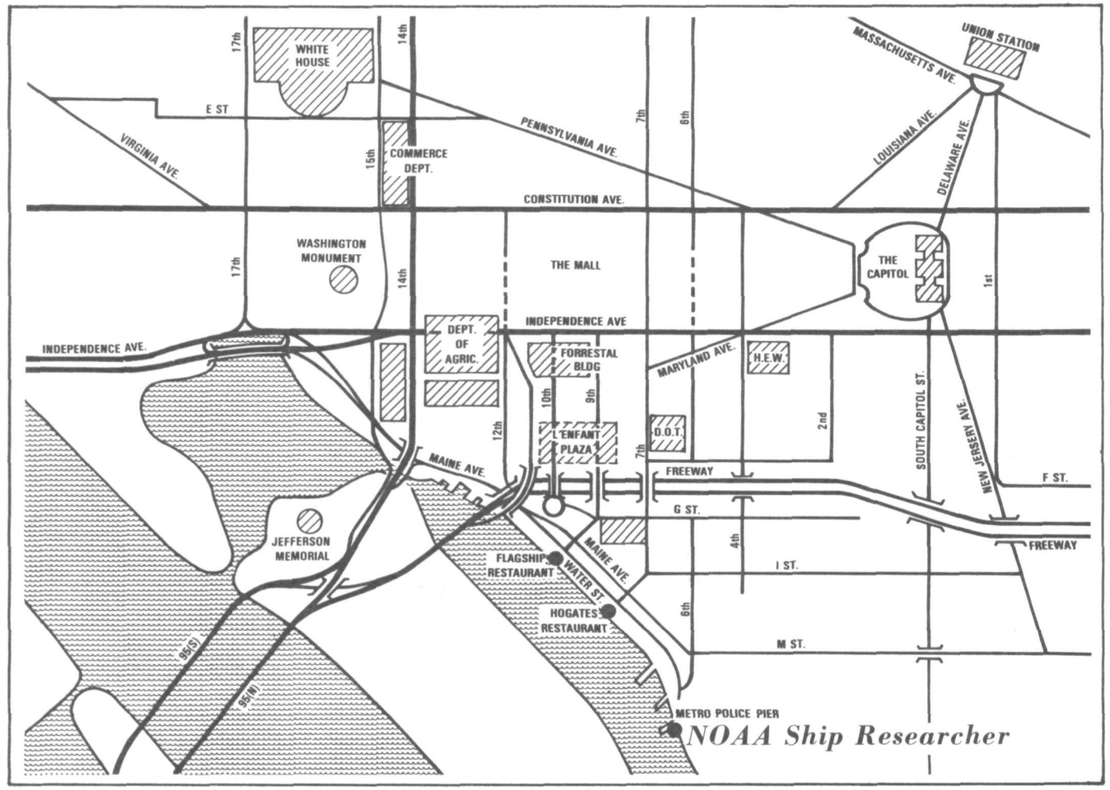
It's 'Bienvenidos A Bordo' (Welcome Aboard) Everybody

NOAA's Researcher heads for Washington, D.C., and an Oceans Week '78 open house.

April 16-23 is Oceans Week '78 in Washington, D.C.

The American Oceanic Organization, in cooperation with the Waterfront Washington Association, is planning a week-long series of marine-related events including in-port visits by a variety of ship types (including NOAA's Researcher), public discussion forums, students' poster contests, a special salute to coastal states, marine art and craft show, film festival, waterside concerts and entertainment, and a parade of boats to mark the opening of the boating season.

An open house will be held aboard the NOAA Ship Researcher on April 16 between 11 a.m. and 4 p.m. at the Metropolitan Police Harbor Dock at 550 Water Street, S.W., Washington. The public and NOAAites are invited to tour this modern floating laboratory. The ship's officers, scientists, and technicians will welcome visitors aboard and answer questions about ocean surveying and exploration, as well as marine careers.



Bienvenidos A Bordo del Barco "Researcher" de la NOAA

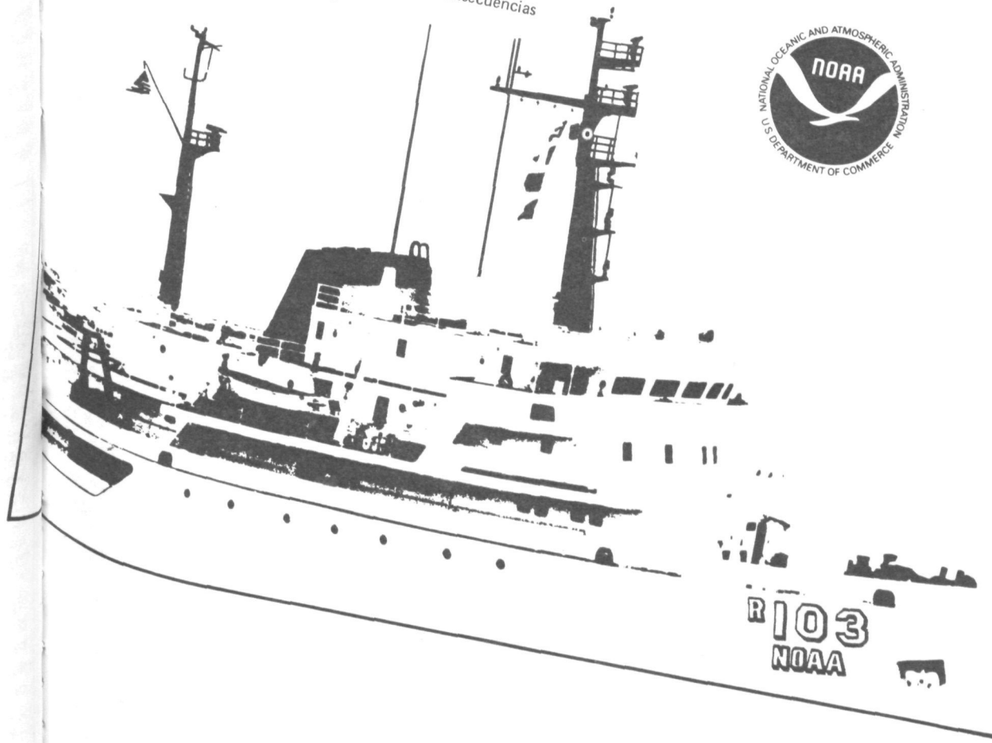
El Researcher (Investigador) es un barco para investigaciones oceánicas sumamante automatizado que forma parte de la flota científica de la Administración Nacional Oceánica y Atmosférica (NOAA) del Departamento de Comercio de los EE.UU.

La función principal del Researcher consiste en realizar trabajos de investigación oceanográfica mediante su capacidad para llevar a cabo una gama de operaciones físicas, geológicas, geofísicas y otras, relacionadas con el muestreo y la sensimetría del medio marino. Entre las operaciones que se realizan continuamente, se encuentran las mediciones batimétricas, magnéticas, de gravedad y de la interrelación aire/mar.

El barco tiene 278 pies (84 metros) de eslora, 51 pies (16 metros) de manga, y desplaza 2875 toneladas. Está dotado de un moderno equipo de navegación, comunicaciones y laboratorio. Tiene un radio de acción de 13.000 millas náuticas, con una velocidad de crucero de 14,5 nudos, y una capacidad de aprovisionamiento para un mes en el mar. Tiene cabida para 76 personas, entre oficiales, científicos y tripulantes.

El personal del Researcher está a su disposición durante su visita a bordo y gustosamente contestará cualquier pregunta que usted desee hacer sobre el barco y sus actividades.

La Administración Nacional Oceánica y Atmosférica (NOAA) fue establecida el 3 de octubre de 1970 con el fin de crear un centro civil para la expansión eficaz y el uso racional de los recursos oceánicos, y para detectar y pronosticar las condiciones atmosféricas, oceánicas y espaciales, así como explorar la factibilidad y consecuencias de la modificación del ambiente.



Commerce, NOAA Award Nominations Due by April 12

Nominations for Departmental Gold and Silver Medal Awards, NOAA Awards, and the NOAA EEO Award are due in the NOAA Personnel Division, Attention: AD453, on or before May 12.

DOC MEDAL AWARDS - The Gold Medal, the highest Departmental award, is granted for rare and outstanding contributions of major significance to the Department, the Nation or the World. The Silver Medal, the second highest award, is granted for contributions of unusual value to the Department. Nominations, except those based on heroism, *must* be accompanied by a current Outstanding Performance Rating.

NOAA Awards - The four NOAA Awards are presented in recognition of unusually significant contributions to (1) Scientific Research and Achievement, (2) Public Service, (3) Engineering and Applications Development, and (4) Program Administration and Management. As a rule, one award is made in each of the foregoing categories and consists of a plaque and $1,000.

NOAA EEO Award - This award, consisting of a plaque and $1,000 is granted for significant contributions to NOAA through the advancement of Equal Employment Opportunity Program goals either internally or in our community relations and public dealing.

Forms CD-223, "Citations for Medal Awards" and CD-242, "Recommendation for Medal Award," should be completed for all DOC Medal nominations. All nominations for NOAA Awards, including the NOAA EEO Award, should be submitted on Form CD-326, "Recommendation for Recognition."

In writing the nominations this year, give specific information which relates directly to the criteria for the award for which you are nominating the employee. In cases where the nominees for Gold and Silver Medals or the NOAA Awards are supervisors, a statement documenting their involvement in and support of the NOAA EEO Program must be included.

All nominations require the approval of the head of the appropriate Major Line Component in which the nominee is employed. Forms and additional information concerning the submission of these awards may be obtained from your servicing personnel office.

Employees Advised To Keep Personnel Records Updated

Nearly all Federal employees have completed an SF-171, "Application for Federal Employment," at some time, usually when applying for the first Government position. The SF-171 is a synopsis of an applicant's or employee's work experience, education and training, and awards. It is used by the Personnel Office to evaluate an employee under consideration for a new position or promotion. When a reduction-in-force is in process, it is the material provided by the SF-171 that aids in employee placement.

Because of the wide spectrum of purposes served by the SF-171, it is vital that we periodically revise and update our Official Personnel Folders (OPF). Attention should be focused on any supplemental experience, training, education, and awards an employee may have received. Copies of all college or technical school transcripts should be included.

In addition, employees should maintain records of any activities or efforts made in the area of Equal Employment Opportunity, as efforts in the field of EEO are considered when an employee applies for a supervisory position.

The Standard Form 172 is used to update personal qualification records. The SF-172 may be obtained from your servicing office and when completed should be submitted to that office for filing in your OPF.

NOAA Personnel Division Lists Current Vacancies

Announcement No.	Position Title	Grade	Major Line Component	Location	Issue Date	Closing Date
347-78	Electronics Technician	GS-5/6/7/8/9/10	NOS	Norfolk, Va.	3/27/78	4/17/78
361-78	Meteorologist (Forecaster)	GS-12	NWS	Lubbock, Tex.	3/30/78	4/13/78
362-78	Meteorological Technician	GS-9	ERL	Boulder, Colo.	4/5/78	4/19/78
78-1	Meterologist	GS-13	NWS	Suitland, Md.	3/28/78	4/11/78
78-1	Contract Negotiator	GS-12	NMFS	St. Petersburg, Fla.	3/28/78	4/11/78
78-1	Physical Scientist	GS-13	NESS	Suitland, Md.	3/28/78	4/11/78
78-1	Meteorological Technician (Weather Service Specialist)	GS-7/8/9/10	NWS	Erie, Pa.	4/5/78	4/19/78
78-1	Meteorologist (Instructor)	GS-12	NWS	Oklahoma City, Okla.	4/5/78	4/19/78
78-1	Hydrologist	GS-12	NWS	Portland, Oreg.	4/5/78	4/19/78
78-2	Supervisory Electronics Tech. (Electronics Program Officer)	GS-12	NWS	Cleveland, Ohio	4/5/78	4/19/78
78-2	Meteorologist (Leading Forecaster)	GS-13	NWS	Albuquerque, N. Mex.	4/5/78	4/19/78
78-2	Meteorologist (Forecaster/Focal Point Fire Weather)	GS-12	NWS	Los Angeles, Calif.	4/5/78	4/19/78
78-2	Administrative Officer	GS-9	HDQT.	Rockville, Md.	4/5/78	4/19/78
78-2	Cartographer	GS-12	NOS	Silver Spring, Md.	3/30/78	4/13/78
78-2	Computer Specialist	GS-11	NMFS	Miami, Fla.	3/30/78	4/13/78
78-3	Supervisory Computer Specialist	GS-15	NOS	Rockville, Md.	3/30/78	4/20/78
78-3	Executive Officer	GS-14	HDQT.	Washington, D.C.	3/30/78	4/20/78
78-3	Meteorologist	GS-12	NWS	Anchorage, Alaska	4/5/78	4/19/78
78-4	Administrative Officer	GS-11	NOS	Rockville, Md.	3/30/78	4/13/78
78-4	Clerk (Stenographer)	GS-6	SG	Washington, D.C.	3/30/78	4/13/78
78-5	Endangered Species Program Manager	GS-14	NMFS	Washington, D.C.	4/5/78	4/26/78
78-5	Supervisory Geodesist	GS-13	NOS	Rockville, Md.	4/5/78	4/26/78
78-6	Printing Specialist	GS-11	EDS	Rockville, Md.	3/30/78	4/13/78
78-7	Computer Technician	GS-7	EDS	Washington, D.C.	3/30/78	4/13/78

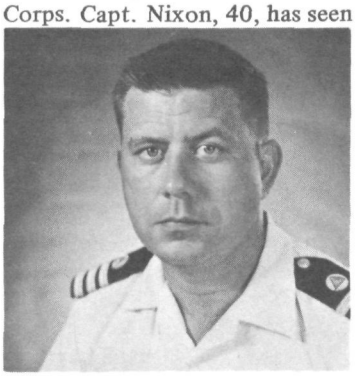
NOTES ABOUT PEOPLE

Herbert Hoffman, meteorological technician at the NWS Chicago Weather Service Forecast Office and 1977 winner of the Civil Service Commission Handicapped Award, attended this year's AAAS meeting in Washington, D.C., where, in addition to meteorological symposiums, he also participated in lectures on the handicapped in science and talks with Dr. Thomas Austin and John Haberlin of NOAA on employment of the handicapped. He has been asked by the National Science Teachers Association to give a lecture and help with the workshop program at the NSTA annual meeting in Washington in early April. Hoffman, a victim of cerebral palsy since birth and confined to a wheelchair, traveled alone for the first time when he attended the AAAS meeting. "To prove I could do it," he says.

Elwynda K. Chapman of EDS' Environmental Science Information Center has been elected Maryland representative to the Potomac Technical Processing Librarians (PTPL) Association's Advisory Council for 1977-79. The PTPL is a regional group with the American Library Association's Resources and Technical Services Division.

William E. Kennedy, Port Meteorological Officer at NWS's WSFO Cleveland, Ohio, has received an honorary life membership in the International Ship Masters' Association of the Great Lakes for his "tireless efforts over the past 25 years to provide a more effective and reliable marine weather service to those who sail on the Great Lakes." The honor was bestowed at the Association's Grand Lodge Convention in February of this year.

Charles H. Nixon, Hopedale, Mass., has been promoted to the rank of Captain in the NOAA Corps. Capt. Nixon, 40, has seen



Capt. Charles H. Nixon

service aboard six NOAA ships, including command of two of them, since becoming a commissioned officer in 1959. He also has carried out assignments with geodetic and photogrammetric field parties of National Ocean Survey and as Port Captain to the Northeast Fisheries Center, Woods Hole, Mass. He is now chief of the Operations Division of NOS's Atlantic Marine Center, Norfolk, Va. He holds a civil engineering degree from the University of Massachusetts.

Dr. Norton D. Strommen, director of the EDS Center for Climatic and Environmental Assessment (CCEA), Columbia, Mo., presented a paper, "An Overview of the Impacts of Drought and Cold Winter, 1976-77," at the recent meeting of the American Association for the Advancement of Science in Washington, D.C. The section in which the paper was presented was chaired by EDS's senior research climatologist, Dr. J. Murray Mitchell.

Dr. Kirby J. Hanson of ERL's Air Resources Laboratory has been appointed chairman of the American Meteorological Society's committee on radiation energy for a two-year term. Dr. Hanson, director of the Global Monitoring for Climatic Change program, in Boulder, Colo., is in charge of a network of observatories at "clean air" locations

Dr. Kirby J. Hanson

around the world that measure atmospheric properties which appear to be linked to long-term climatic change.

Mr. Ausbon Brown, Jr., Fishery Biologist at the Galveston, Tex., NMFS Laboratory, will

Ausbon Brown, Jr.

travel to Brest, France, to receive special training in the culture of saltwater shrimp. Brown will be studying the techniques of Madam Laubier of the Departement Scientifique du Centre Oceanologique de Bretagne, who has developed a procedure for bringing the saltwater shrimp, *Penaeus japonicus*, to sexual maturity in captivity.

Charles Hill, Chief of Support Services, and Anita Coit, Administrative Assistant at NMFS's Southwest Fisheries Center in La Jolla, Calif., collected clothing and canned food to be donated to orphanages in Tijuana, Mexico, during a Heart-to-Heart Campaign which ended on St. Valentine's Day, February 14. Hill was the campaign coordinator for the Southwest Fisheries Center while Coit served as the campaign chairperson for the federal agencies (including the Federal Executive Association and Federally Employed Women) who endorsed the effort in San Diego County. According to Coit, this year's campaign resulted in the collection of 800 pounds of food and clothing and cash contributions. Collecting boxes were placed in areas designated by the respective Federal agency for a two-week period in February.

The contributions were formally received by representatives of the Mexican government. Coit noted that the Heart-to-Heart gifts filled a special need this year since the disastrous series of storms which caused widespread damage in southern California and Baja California, Mexico, left an estimated 12,000 people homeless in Tijuana.

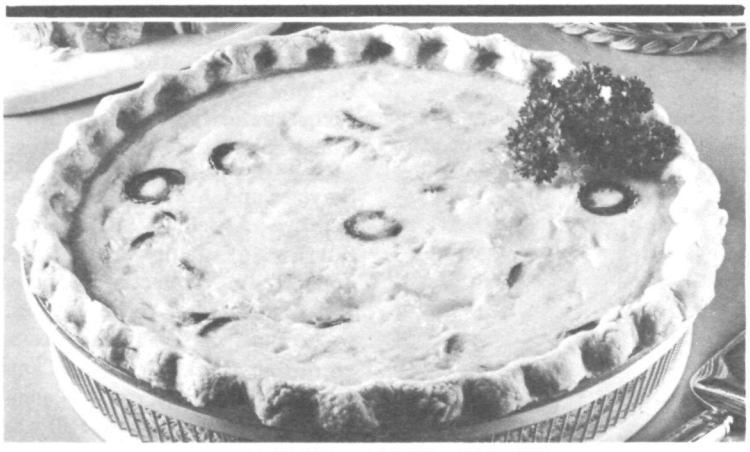
Charles Hill and Anita Coit of the Southwest Fisheries Center collect clothes and food for Tijuana orphans.

OBITUARY

Preston Tuning

Preston Tuning, who retired January 11, passed away March 8. He joined the National Weather Service in 1961 at Huntington, W. Va. He was stationed at WSO Elkins, W. Va., at the time of his retirement. He also served at Antarctica. He is survived by his wife, Mrs. Phyllis Tuning, and four children: Kimberly, James, Debra and Douglas. Mrs. Tuning's address is: Rt. 2, Box 7 B, Montrose, W. Va., 26283.

FROM THE GALLEY



TUNA/RIPE OLIVE QUICHE

1 unbaked (deep-dish style) frozen pie shell
1 teaspoon Worcestershire sauce
1 cup grated Swiss cheese
1 can (6 1/2 or 7 ounces) tuna, well-drained
3/4 cup canned pitted California ripe olives, sliced
3 eggs, slightly beaten
1 cup light cream
1/4 cup chopped onion
1/2 teaspoon salt
5-6 drops liquid hot pepper sauce
Paprika

MICROWAVE OVEN METHOD

Bring frozen pie shell to room temperature and transfer to ceramic quiche dish or glass pie plate, pressing pastry firmly against sides to prevent shrinkage during cooking. Sprinkle Worcestershire sauce over crust; spread evenly with paper towel. Prick pie crust with fork several times. Cook in microwave oven for about 3 minutes, until it starts to brown. Let cool slightly. Sprinkle cheese over bottom of pie shell. Add tuna and ripe olives. Mix eggs, cream, onion, salt, and liquid hot pepper sauce together and pour over tuna and olives. Sprinkle with paprika. Cook 10 minutes in microwave oven, turning half-way through cooking time. To test quiche for doneness, insert knife in center. Quiche is "set" if knife comes out clean. Let stand 2 minutes to finish cooking. Makes 4 servings.

CONVENTIONAL OVEN METHOD

Prepare quiche according to above directions, omitting pre-browning of empty unbaked pie shell. Bake at 375°F. for 45 minutes.

BEST FISH BUYS

According to the NMFS National Fishery Education Center in Chicago, the best fish buys for the next week or so are likely to be frozen fish portions and canned sardines along the Northeast Seaboard; fresh whole bluefish and fresh whole croaker in the Middle Atlantic states, including the D.C. area; frozen Spanish mackerel fillets and frozen rock shrimp in the Southeast and along the Gulf Coast; frozen fish portions and canned tuna in the Midwest; fresh Pacific red snapper fillets and fresh sole fillets in the Northwest; and frozen mahi mahi fillets and fresh Pacific oysters in the Southwest.

Neptune Award

Hollings Is Honored by AOO

U.S. Sen. Ernest F. Hollings has been named as the 1978 recipient of the coveted Neptune Award given annually by the American Oceanic Organization.

Sen. Hollings will be honored for his long and continuing role as an advocate of strong ocean legislation and policy. Presentation of the award will take place April 20, during National Oceans Week, a celebration honoring the importance of the oceans in the well-being of the nation.

Sen. Hollings, now in his 12th year in Congress, is the junior Senator from South Carolina. He has been the major force in the Senate on many important ocean-related laws, including:

- The Coastal Zone Management Act of 1972 and the Amendments of 1976, pioneering legislation to help states improve management of the coast.
- The Marine Research, Protection, and Sanctuaries Act ("The Ocean Dumping Act"), dealing with ocean waste disposal and control of marine pollution.
- The Deepwater Port Act, providing for national standards for such tanker facilities and state participation in siting decisions.
- The Marine Mammal Protection Act, establishing a program to preserve threatened marine mammals such as seals and porpoises.

Also, he played an important role in the enactment of the new Fishery Conservation and Management Act, which established a 200-mile U.S. fishery zone and regional councils to manage it comprehensively.

Sen. Hollings was instrumental in the creation of the National Oceanic and Atmospheric Administration; the Senate's National Ocean Policy Study (NOPS), a single policy unit representing seven committees with jurisdiction in marine affairs; and the Office of Technology Assessment (OTA) Oceans Program, an independent Congressional research arm which has undertaken studies of major ocean issues.

Sen. Hollings is the ninth recipient of the Neptune Award, which was established by AOO in 1970.

Secretaries Week

April 24 - 28

FWP Programs Planned

In Five Locations

Participants in the Weather Radar Course, held January 10-February 2, 1978 at the NWS Technical Training Center in Kansas City, Mo., were: (Standing, left to right) Joe Audsley, Instructor; Bill Craig, Mobile, Ala.; Bud Deutscher, Rapid City, S.D.; Jerry Eckhart, Wichita Falls, Tex.; Douglas Eck, Abilene, Tex.; Bob Lee, Los Angeles, Calif.; Roger Kenyon, Indianapolis, Ind.; James Jackson, Baton Rouge, La.; Marvin Hill, Columbus, Ohio; Lawrence Barta, San Angelo, Tex.; Joel Wertman, Instructor. (Seated, left to right) Dick Sawyer, Louisville, Ky.; Fred Moore, Erie, Pa.; Marion Kuykendall, Victoria, Tex.; Lois Stevenson, Muskegon, Mich.; Marguerite Dale, Topeka, Kans.; Bob Grebe, Instructor; Ray Bliven, Burlington, Vt.; Herb Chadwick, Garden City, N.Y.;

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