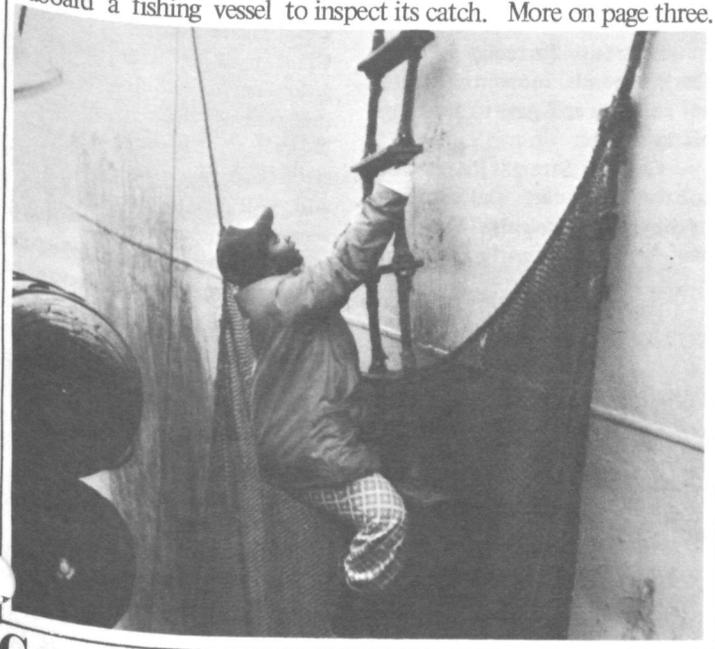


SEP 5 1978

**WOMEN'S EQUALITY DAY, August 26, 1978,** is a good time to:

- reflect on the status of women at NOAA today;
- appreciate the support of people who make equality a reality;
- support the women who are making inroads in their professions;
- meet a few of the many women who contribute to NOAA, whether it be through their jobs or through other interests, like, Special Agent Helen McGuire, NMFS, shown below climbing aboard a fishing vessel to inspect its catch. More on page three.



## Biochemical Technique For Sewage Detection

NOAA scientists have identified a biochemical technique that can be used to trace sewage in coastal areas, a matter of vital

interest to environmental managers in heavily populated parts of the coast.

The newly identified technique uses coprostanol, a steroid thought to be produced exclusively by bacteria in the intestines of mammals, to measure sewage in offshore sediments.

According to Patrick G. Hatcher, Philip A. McGillivray, and NOAA Corps Lt. Cdr. Larry E. Leister, all of NOAA's Atlantic Oceanographic and Meteorological Laboratories in Miami, the coprostanol method promises to become the standard for sewage-pollution detection.

Hatcher and his colleagues developed the technique as part of a major ecosystem study NOAA has conducted in the New York Bight, the 15,000-square mile (39,000-square-kilometer) continental shelf area off the New York-New Jersey coast. With the technique, a map of the New York Bight has been developed showing sewage pollution centered in a basin near the sewage-sludge dump site, and diminishing rapidly with distance away from the dump site. The highest value found was 15 percent coprostanol in the highly contaminated black muds near the dump site. Pure sewage contains more than 30 percent.

A native of Wilmington, Del., Jackson received an A.B. in Biology from Boston University in 1952, and a Master's in Social Work from Howard University, Washington, D.C. in 1956.

She was project director of Neighborhood Service Centers, Greater Wilmington Development Council, Inc., a private non-profit group, from 1967 until 1969 when she became Special Assistant for Human Affairs to the Governor of Delaware. From 1973 until her

*(Continued on p. 2)*

## Jackson Heads NOAA Office For Civil Rights

Arva J.M. Jackson, formerly a regional manager for HEW in Philadelphia, has been appointed Director of the newly created Office of Civil Rights for NOAA.

She will administer NOAA's Equal Employment Opportunity Program, the Affirmative Action Program, and the Special Emphasis Programs which include the handicapped, Hispanic, and women. Previously sections of the Personnel Division of the Office of Administration, these programs will function under the Office of the Administrator as the Office for Civil Rights.

In announcing Jackson's appointment and the creation of the new office, NOAA Administrator Richard A. Frank reaffirmed NOAA's commitment



**Arva J.M. Jackson**

"to provide opportunity, equality, for everyone, and to seek the participation of less represented groups in our organization."

## Computers Could Aid Fish Industry, Sea Grant Says

Can computers reduce the risk of failure in the fishing business? Economists at five universities across the country, supported by a \$138,100 grant from NOAA, think so and are setting out to prove it.

Dr. Ned A. Ostenson, Director, Office of Sea Grant, said aquaculture and fishing ventures traditionally have been subject to financial loss or failure because of unexpected rises in costs, and other problems.

"This project aims to develop a computer-model budget and the necessary data base to help the fishing industry improve its chances of success," he said.

The project will bring together experienced economists from Texas A&M University, the University of Massachusetts, Oregon State University, Louisi-

ana State University, and the University of Rhode Island to develop necessary analytical tools and techniques that others can use.

A general computer program will be developed that can be applied to most aquaculture systems and many different fishing vessels to predict the probable outcome of a particular venture. Economic analyses then will be prepared for high priority species of fish within each region of the country represented by the participating scientists.

Data for the aquaculture phase of the project will include such species as salmon, marine shrimp, oysters, freshwater prawns, and lobster. Information on vessels which fish specifically for lobster, ground fish, shrimp, snapper-grouper, tuna, crabs, sal-

*(Continued on p. 2)*

## Behind Every Successful Person...



Ethel Howard, Federal Women's Program Coordinator of the National Hurricane Center in Miami, presents Mae Award to Dr. Neil Frank, NHC Director.

Dr. Neil Frank, Director of NOAA's National Hurricane Center in Miami, Fla., and Ethel Howard, the Center's Federal Women's Program Coordinator, were honored recently by the Greater Miami Chapter of Federally Employed Women.

Dr. Frank received the Chapter's Mae Award, named for Mae Walterhouse, national president of F.E.W. The award is given to persons who support equal employment opportunity programs and have contributed to the advancement of women and minorities. Dr. Frank is the third man from NHC to be so honored by the Federal women in Miami. Last year Dr. William Woodley of the Center's Experimental Meteorological Laboratory, and Howard Friedman, Tropical Weather Analyst and chairman of the EEO Committee, received the award.

Ethel Howard was honored with the Chapter's Woman of the Year Award for her contribution to F.E.W., as editor of its regional newsletter, the "Miamiian," and as a member whose contributions have helped women in government.

Howard began her weather service career in 1949 as a teletypewriter operator and chartist in Miami. In 1973 she became a meteorological technician until 1976 when she assumed her position as Federal Women's Program Coordinator for the National Hurricane Center.

A mother of three, Howard attended the University of Miami part-time, graduating in 1974 with a B.S. in elementary education and on the Dean's List.

## Arva Jackson

appointment at NOAA, she was an Equal Employment Opportunity Regional Manager at the Department of Health, Education, and Welfare in Philadelphia, administering the Regional Equal Employment Opportunity Program.

A member of the American Society for Public Administration and of the International Personnel Management Associa-

(From p. 1)

tion, Jackson has received several awards for her work in civil rights. Among them are the Business and Professional Women's Woman of the Year, 1969; Delaware's Young Woman of the Year, 1970; Delaware Governor's Humanitarian Award, 1972; and, Delaware's National Conference of Christians and Jews Annual Award, 1977.

## Flexitime Successful In One Third of NOAA Force

At the Environmental Research Laboratories in Boulder:

-Janet Gibson, Management Assistant, and Helen Coffey, Supervisory Physicist, return to their jobs after taking off for day-time classes at the University of Colorado;

-Kathleen Erdman, Space Management Specialist, has cut the cost of commuting to her job by riding into Boulder with her husband;

-Shirley Purcell, Records Clerk, spends more time with her children and gets to see them off to school;

-Carolyn Straight, Area Personnel Officer, and Barbara Lachmann, Computer Programmer, leave work early to attend ballet lessons.

Like over 5300 of their NOAA co-workers, these ERL employees are on flexitime, perhaps the Federal government's best effort to date at humanizing work conditions. Flexitime has been hailed as a preferred alternative to traditional fixed work schedules and has been endorsed by a growing majority of NOAA managers and supervisors as well as by employees.

Basically, flexitime is a system of working hours which allows employees some flexibility in determining what hours they will work. The working day is usually structured to include a *core* time when all employees are required to be at work, and a flexible time period when employees can choose to begin and end their work day.

Flexitime has been tried and proven successful in many offices throughout NOAA. Over

## Fishing

(From p. 1)

mon, and halibut also will be included. Problems will range from determining which type of equipment would be most cost effective for a particular aquaculture venture to assessing the effect of changes in tax laws for vessel owners with respect to crews and imported products used in fishing.

The five cooperating universities will provide \$82,400 in matching funds.

one third of the NOAA work force is now covered under some type of flexitime plan and new requests are still coming in.

Under current law, Federal employees are prohibited from working compressed work schedules, such as the 10-hour day or 4-day week. However, there are a variety of flexitime options available using the 8-hour day. Offices interested in considering flexitime should refer to NOAA Circular 77-34 for procedural guidance in planning and implementation. Chapter 11 of the NOAA Personnel Handbook (Hours of Work) is being revised and will specify NOAA policy regarding flexible work arrangements. This revision is scheduled for printing and distribution in September.

## Dredge Disposal Sites In Gulf Are Investigated

An investigation of two future dredge disposal sites in the Gulf of Mexico located about 70 miles south of New Orleans, La., along the western edge of the Mississippi Delta near the entrances to Tiger Pass and Bayou Fontanelle, was recently conducted by NOAA's National Ocean Survey (NOS).

Catherine Warsh, Acting Chief Scientist for dredge material of the NOS Ocean Dumping Program, said, "Site characterizations were performed, and sediment, water, and biota samples were obtained for trace metal analysis and bioassay studies." The bioassays will follow the EPA guidelines for ecological evaluation of proposed discharge of dredged material into ocean waters.

"These investigations will be expanded," said Warsh, "to include further biological and chemical studies which will lead to development of monitoring techniques to assess the ecological impact of disposing dredged material in the marine environment."

# NOAA Women Contribute Much...

## Lt. Pamela Chelgren



Lt. Pamela Chelgren, NOAA Corps, holds the highest shipboard operating post ever held by a woman in any United States uniformed service.

In September, 1977, Lt. Chelgren was appointed Field Operations Officer of the 162-foot hydrographic survey ship Peirce currently on the Great Lakes. Her responsibilities as FOO include the scheduling of all the ship's hydrographic work and its review and accuracy. In this position, she is the third in command of the ship.

## Claudia Morales

Claudia Morales, secretary to the Acting Chief, Scientific Services, National Weather Service, Eastern Region, is also the region's Hispanic Program Coordinator. For her work in promoting NOAA opportunities and in continuing constant contact with local organizations, educational institutions and the media, she recently received the Eastern Region's newly established EEO Award.

Morales' dedication to her role as Hispanic Program Coor-



ordinator led her to take a social work course at Adelphi University, Garden City, New York, at her own expense. Although she is bilingual and bicultural, the course enabled her to better understand the problems of the community.

A native of New York, Morales attended Hofstra University, Hempstead, N.Y., and the University of Madrid in Spain. She was a Spanish translator for the Navy Department before coming to NOAA. She is a member and Recording Secretary of the American Association of Teachers of Spanish and Portuguese (AATSP).

## Helen L. McGuire

Helen L. McGuire, Special Agent, National Marine Fisheries Service, has acquired several firsts in her career at NOAA.

In 1976, she became the first black female Special Agent to be hired by NMFS. Eleven months later she became the first female Special Agent to complete a U.S. Coast Guard fisheries patrol and to board a foreign vessel on the west coast. To date, McGuire, who is fluent in Spanish, is the only female Special Agent to travel to Central America to inspect U.S. tuna purse seiners.

The mother of two sons, ages five and nine, McGuire attended Florida International University full-time at night while working part-time for the Law Enforcement Division, Southeast Region, NMFS. She received her B.S. in Criminal Justice in 1976.



Along with her Special Agent duties, McGuire serves as the NMFS, Southwest Region's Hispanic Employment Coordinator.

## Dr. Joann Joselyn

Joann Joselyn recently became the first woman in the United States to receive a Ph.D. in astro-geophysics. A scientist in ERL's Space Environment Laboratory, she studies the solar wind, the stream of energetic particles that emanates from the sun. Underlying the spurts of energy that are tied to solar flares is the so-called "constant" solar wind. Whether this outpouring has actually remained constant over the ages is one of the questions Joselyn is trying to answer.

Joselyn has been with NOAA "since it was NOAA," starting as a research assistant shortly after getting her master's degree in 1967. She began work on her

Ph.D. at the University of Colorado in 1970. Through the government's long-term, full-time training program, she was able to spend a year working full time on the degree. She also gives a lot of credit to a "mentor," a fellow scientist who helped push her along.

Joselyn's advice to women—and men—wanting a career in science, is to "be sincere. Make sure that's what you want to do and then do it. It took me a long time, eight years, to get my Ph.D., but that's not bad, and I'm not sorry. You don't need to suppress everything else, but you do need to be intentional, to persevere."

## 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 108, Rock-Wall Bldg., Office of Public Affairs, National Oceanic and Atmospheric Administration, Rockville, Md., 20852.

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

Norma V. Reyes, Editor

Warren W. Buck, Jr., Art Director

## Dr. Farn Parungo

Dr. Farn Parungo, a research chemist with ERL's Atmospheric Physics and Chemistry Laboratory, is investigating the effects of pollution on weather. Her research currently focuses on the emissions from a huge, coal-fired power plant at Farmington, N.M. and a copper smelter at Salt Lake City. With funding from the National Aeronautics and Space Administration, she has also studied the rocket exhaust from the launches of Voyager I and II from Florida.

With an instrumented aircraft called *Aeolus*, other researchers in the laboratory collect air samples downwind from these pollution sources. In her laboratory in Boulder, Parungo analyzes the aerosols (airborne particulates) in these samples to determine their size, concentration, shape, chemical composition, and, hence, their source. Then she tests them to see how effective the particles are as ice nuclei. Under the right meteorological



conditions, effective nuclei can pick up water vapor from the air to form droplets or ice crystals, producing clouds and precipitation.

A native of mainland China with a bachelor's degree in chemistry from the University of Taiwan and a Ph.D. from the University of Colorado, Parungo has been with NOAA since 1970. She has three children, aged 7, 13, and 15. While she

feels that in ERL she has been respected as a scientist, she acknowledges that "you have to fight for your position in this field. I am not by nature a fighter, but you have to prove that you are willing and able to do the research. Scientists who are also mothers are sometimes asked 'what will you do with your children when you are on field trips.' But it's the quality, not the quantity of mothering that counts."

## Catherine E. Warsh



Catherine E. Warsh, Acting Chief Scientist for dredge material of the NOS Ocean Dumping Program, has spent over 500 days at sea.

Numerous field expeditions in the Atlantic Ocean and in the Gulf of Mexico have contributed to her oceanographic interest.

Her thesis research for a Master of Science in Physical Oceanography which she received at Florida State University, Tallahassee, took her to the Gulf of California.

In her job at NOAA, Warsh coordinates studies for dredged material disposal which will eventually inform us about the effects of dumping dredged material in the marine environment.

After completing her Master's degree, Warsh was a lab technologist in water chemistry at Florida State, then an environmental specialist with the Tallahassee Department of Pollution Control. Upon coming to Washington, D. C., she was physical oceanographer for Deep Water Dumpsite and biological oceanographer at National Marine Fisheries Service.

## Evelyn Wallace

When Evelyn Wallace finishes her full day's work at the Office of Fisheries Management, NMFS, she begins her real career — educating the public on alcohol and drug abuse.

For the past five years, Wallace has been a volunteer for the Washington Area Council on Alcohol and Drug Abuse, spending part of her weekends and holidays — especially Christmas — on the hot-line. Recently, Mayor Walter E. Washington recognized her contribution to the community by appointing her to a one year term on the District of Columbia State Alcoholism Advisory Council. As one of eighteen members on the Council, she will assist in all

Working at Sea Grant may not be as exciting as finding yourself in a sea tank unexpectedly surrounded by sharks, but Dr. Naida M. Yolen, who handled the sharks well, finds her work as the only woman Assistant Program Director at Sea Grant just as challenging. Along with monitoring the institute grants made to the Oceanographic Institution, Woods Hole, Mass., and the University of Minnesota, Yolen recently assumed duties as Sea Grant's Director of Fisheries Programs.

Prior to her NOAA employment, Yolen, who earned her Ph.D. in Marine Biology from the University of Maryland, served as consultant and research biologist on various related projects.

Yolen spent five weeks at Hebrew University's Marine Laboratory in Eilat, Israel, in 1970, studying visual discrimination of the white-tip reef shark, an expedition financed and supported by the National

issues relating to the prevention and treatment of alcoholism, planning of treatment centers, half-way houses, legislation, education.



In her previous volunteer work, Wallace appeared on television and radio talk shows and has given workshop seminars on alcoholism

# Opportunity

## Naida M. Yolen



Islands.

Yolen has published several papers on her research including her doctoral thesis involving the neurological surgical removal of the optic system of goldfish and on behavioral testing of goldfish. She is a member of Phi Sigma Honorary Biological Society, the American Littoral Society, the American Oceanic Society, the Marine Technological Society, and the American Association for the Advancement of Science.

## Lois Stearns

Lois Stearns is a specialist in far-infrared radiometry and is working on remote detection of clear air turbulence and wind shear with a device called an infrared radiometer. Someday aircraft may be equipped with radiometers to warn pilots of such hazards in their path.

A native of Wisconsin, Stearns has a B.A. in mathematics and has done extensive graduate work in meteorology. She has taught school, and managed the office for a chemical company that her husband founded in Madison.

She entered the field of meteorology through a combination of accident and pragmatism. "My husband and I were divorced, and I had to earn a living and support three chil-

Pioneering the only engineering program in the country for American Indians at the University of New Mexico gave Geologist Carol Gardipe a good background for her current job at NOAA as Staff Assistant for Outreach Programs in the Office of the Assistant Administrator for Administration.

Gardipe, a member of the Penobscot-Passamaquoddy Tribe from Boothbay Harbor, Maine, is opening new channels to locate, inform, and recruit minority scientists and engineers for NOAA. She advises universities where programs could be started or continued in the education of minorities and women, especially of American Indians. She is also NOAA's liaison to the Bureau of Indian Affairs and to the Indian Affairs Desks of other Federal agencies.

Gardipe attended the University of Wyoming and the University of Connecticut where she earned her B.S. in Geology. She

then worked as a geologist on field mapping parties with the Geological Survey in the west and in Washington, D. C., and as a hydrologist in Albuquerque, New Mexico. She continued her education on an American Indian Graduate Scholarship



from the Bureau of Indian Affairs. She interrupted her graduate program in Geography-Natural Resources to begin the engineering program for American Indians at UNM on a private grant of one-third of a million dollars and a staff of six. To date the program is in its third year and has an enrollment of forty students.

Moving to Washington, she became a regular part-time consultant on Indian Affairs to the National Academy of Sciences. Prior to her NOAA appointment, she was on the staff of the National Advisory Council on Indian Affairs at the Department of Health, Education, and Welfare, where she had served as a consultant in education for the Office of Indian Education.

Gardipe was one of a small group of professional engineers who started the American Indian Science and Engineering Society (AISES) in 1975 of which she is currently secretary.

dren. I'd enjoyed a course in meteorology as an undergraduate, so I thought I'd try that."

She has been with NOAA and its forerunners for 16 years. Eleven years ago, she transferred to Boulder and what was to become the Environmental Research Laboratories. She worked part time "to give as much of myself as possible to my children while they were young." The children are grown now, and Stearns is working as a meteorologist in ERL's Atmospheric Physics and Chemistry Laboratory. "I really love my work here. It is diversified, stimulating, and entertaining, and requires real thought. But I know I could enjoy other jobs, too, because a job truly is what you make it."

## NOAA Lagging in Employment of Minorities, Women, CSC Report Shows

The Civil Service Commission recently released the results of surveys conducted last May on Federal civilian employment of

minorities and women. Highlights of that report and comparisons with Department of Commerce employment data are provided below.

Another report recently submitted by the Chairman of the Civil Service Commission to the President shows additional detailed data on full-time perma-

nent (FTP) non-postal employment as of November 30, 1977. Comparisons of the Department of Commerce with Government-wide averages are as follows:

	Federalwide	DOC	NOAA
<b>Full Time Employment*</b>			
% Minority	21.2	20.2	12.7
% Women	30.5	33.6	19.6
<b>Average Grade of GS Employees*</b>			
All Employees	8.15	9.40	9.72
Minorities	6.48	7.35	8.20
Women	5.85	6.44	6.67
Minority Women	5.55	6.15	6.83

It is of interest to compare the annual average) which show above employment figures the national non-farm labor force employment data (1977 representation of women at 41.2% and minorities at 15.2%.

	Federalwide**	DOC**	NOAA**
<b>GS-01 to 08</b>			
% Minority	25.8	35.2	21.0
% Women	68.2	72.6	55.3
<b>GS-09 to 12</b>			
% Minority	12.2	14.3	9.7
% Women	22.5	19.6	10.2
<b>GS-13 to 15</b>			
% Minority	6.7	8.3	6.0
% Women	5.9	7.0	3.6
<b>GS-16 to 18</b>			
% Minority	4.9	3.4	0.0
% Women	3.2	2.3	0.0

\*Minority Employment in the May Minority Census Report does not include Eskimos in Alaska or Aleuts in Alaska — these two racial groups are counted as non-minorities for the purposes of the May report.

\*\* November 30, 1977 data is from CPDF for Full-time GS

(and similar pay plan) employees with Tenure = 1 and 2 (labeled "Permanent" by CSC) and has been approximated in NOAA's system with appointments 1, 2, 6 and 7 (competitive career, competitive conditional, excepted permanent and excepted conditional).

The above figures represent gains over the preceding one-year period on all grade groupings. When compared with Federalwide data, the most significant improvement in the Department was in grades GS-13 to 15; here the representation of women increased by 0.5% compared to 0.4% Federalwide, and

representation of minorities increased by 0.6% versus 0.3% Federalwide. From 1976 to 1977, the representation of women in total full-time permanent positions increased by 0.8% (78 positions) and of minorities by 1.2% (70 positions) while the increase in total

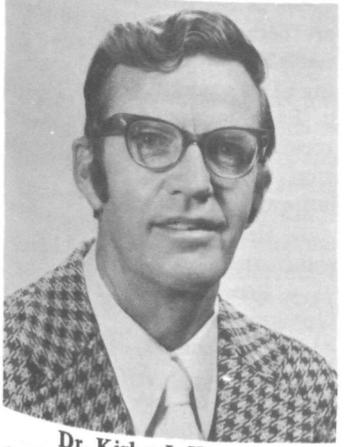
*(Continued on p. 7)*

## NOAA Personnel Division Lists Current Vacancies

Announcement No.	Position Title	Grade	MLC	Location	Issue Date	Closing Date
SER 78-28	Supervisory Fishery Biologist	GS-13	NMFS	Galveston, Texas	8/24/78	9/08/78
SER 78-29	Chemist	GS-12	NMFS	Pascagoula, Miss.	8/24/78	9/08/78
SR 78-30	Meteorologist	GS-13	NWS	Vicksburg, Miss.	8/21/78	9/05/78
SR 78-31	Electronics Technician	GS-10	NWS	Huntsville, Alabama	8/22/78	9/06/78
WR 78-35	Meteorological Technician	GS-09	NWS	Kalispell, Montana	8/29/78	9/12/78
CR 78-36	Supervisory Meteorologist	GS-11	NWS	Alliance, Nebraska	8/22/78	9/06/78
WR 78-36	Position Classification Specialist	GS-12	NWS	Salt Lake City, Utah	8/29/78	9/19/78
CR 78-37	Meteorological Technician	GS-10	NWS	Goodland, Kansas	8/21/78	9/05/78
CR 78-38	Electronics Technician	GS-10	NWS	Denver, Colorado	8/24/78	9/08/78
ER 78-46	Meteorological Technician	GS-11	NWS	Hartford, Conn.	8/22/78	9/06/78
NWS 78-46	Hydrologist	GS-12	NWS	Silver Spring, Md.	8/24/78	9/15/78
ER 78-47	Supervisory Electronics Technician	GS-12	NWS	Philadelphia, Penn.	8/24/78	9/08/78
ER 78-48	Meteorological Technician	GS-7/8/9/10	NWS	Pittsburgh, Penn.	8/29/78	9/12/78
NWS 78-49	Meteorologist	GS-13	NWS	Washington, D.C.	8/29/78	9/19/78
ER 78-50	Meteorologist Technician	GS-08	NWS	Buffalo, New York	8/29/78	9/12/78
NWS 78-50	Meteorologist	GS-13	NWS	Silver Spring, Md.	8/29/78	9/19/78
HQS 78-58	Position Classification Specialist	GS-12/13	HQS	Silver Spring, Md.	8/21/78	9/12/78
HQS 78-59	Personnel Management Specialist	GS-13	HQS	Rockville, Md.	8/21/78	9/12/78
HQS 78-60	Supervisory Budget Analyst	GS-14	HQS	Rockville, Md.	8/21/78	9/12/78
HQS 78-66	Systems Analyst	GS-13	HQS	Rockville, Md.	8/24/78	9/08/78
ERL 78-222	Electronics Technician	GS-07	ERL	Miami, Florida	8/22/78	9/06/78
ERL 78-238	Mathematician	GS-11	ERL	Miami, Florida	8/22/78	9/06/78
ERL 78-239	Electronics Engineer (2 positions)	GS-12	ERL	Miami, Florida	8/22/78	9/06/78
ERL 78-241	Electronics Engineer	GS-13	ERL	Boulder, Colo.	8/22/78	9/13/78

# NOTES ABOUT PEOPLE

**Dr. Kirby J. Hanson** of NOAA's Environmental Research Laboratories has been appointed chairman of the working group on carbon dioxide for World Meteorological Organization's Commission for Atmospheric Sciences. He is director of the Air Resources Laboratories'



**Dr. Kirby J. Hanson**  
Global Monitoring for Climatic Change program for the Commerce Department.

The working group was re-established after the Commission agreed that the increasing concentration of carbon dioxide in the atmosphere from the combustion of fossil fuels was the most important single factor among those human activities which might have an impact on global climate.

**Joan Vandiver Frisch**, Public Information Specialist, Boulder Public Affairs Office, has been awarded a Blood Donation Recognition Certificate by the blood

## OBITUARY

**Maurice S. Kassinnoff**  
Maurice Singer Kasinoff, 65, formerly a statistical assistant with the Environmental Data and Information Service, Washington, D.C., died August 7. Kassinnoff joined the Weather Bureau in 1957 and EDIS when the Environmental Science Services Administration (ESSA) was formed in 1965. He retired in 1972 with almost 34 years of Federal service. Survivors include a stepbrother, Samuel Kassinnoff, Silver Spring, Md., and a sister, Mrs. Rose Hilda Howder of Washington, D.C.

bank program of the Boulder Laboratories Employees Association. Frisch has donated a half gallon of blood to the bank.

**Edward A. Price** is the new Official in Charge at WSO Pittsburgh, Pa. Price began his career with the then Weather Bureau in 1962 in Pittsburgh, after serving with the Naval Weather Service for four years. In 1965, while a member of the Pennsylvania Air National Guard, he attended the Air Force Forecaster School in Illinois. His entire NWS service has been in Pittsburgh, six years at the WSMO and the last ten years at the WSO.

**La Nea Munsell**, from NOAA's Northwest Administrative Service Office in Seattle, reported problems with her mag-card typewriter. The service representative was unable to explain the malfunction until Munsell demonstrated the problem she was experiencing. It quickly became apparent that her proficiency was the cause of the malfunction. She was simply too fast for the machine's capability. Munsell, who is blind, types at a speed of 120 to 130 wpm with nearly 100% accuracy.

**R. Adm. Robert C. Munson**, director of NOAA's Atlantic Marine Center, has been elected to the Board of Directors of Norfolk's Downtown Rotary Club. He will head the Community Affairs Committee of the club through 1979.

**Pat Hoxie**, recently joined the NOAA Personnel Division as Chief of the National Weather Service Section, Personnel Operations Branch.

Hoxie comes to NOAA from the Maritime Administration where she spent six years in a variety of personnel staff and operating capacities in headquarters and in New York. Most recently she was Labor Relations Officer for MarAd and had responsibility for writing personnel policies and conducting internal Merit Promotion reviews. Her other experience in MarAd included grievances, adverse actions, appeals and

EEO. During her tenure in the field she had responsibility for position classification, training, and employee relations. Prior to joining DOC, Ms. Hoxie worked for the Military District of Washington and the Navy Department. In those agencies she held various positions over a six year period in staffing and classifica-



**Pat Hoxie**  
tion, including team leader in position and pay management.

A *cum laude* graduate of the Catholic University of America, Hoxie holds a Masters Degree in Public Administration.

**Carolyn P. Brown** has been appointed Chief of the User Services Branch of the Library



**Carolyn P. Brown**  
and Information Services Division (LISD), a new position in EDIS' Environmental Science Information Center created by the reorganization of LISD last year.

Brown came to NOAA from the National Bureau of Standards where she was Chief of the Information Service Section. She holds a B.A. and M.A. from the University of Mississippi and an MLS from the University of Maryland. She was previously Chief Librarian, Naval Medical Research Institute and before that Librarian, Division of Computer Research and Technology at the National Institutes of Health.



**Assistant Secretary for Maritime Affairs Robert J. Blackwell** (seated center) signs the \$2,875,000 contract authorizing construction of the 127-foot fisheries research ship by Bender Welding and Machine Co., Mobile, Ala. The NOAA ship will be a combination crabber-trawler, with accommodations for 17 crew and scientists. Shown with Blackwell are (seated left) Cdr. Merritt N. Walter, National Ocean Survey, Ship Construction Staff; (seated right) Ronald K. Kiss, Maritime Administration (MarAd); (standing from left) John J. Nachsheim, Jack Ince, and Charles B. Cherrix, MarAd.



**MEDITERRANEAN STYLE FISH PORTION SANDWICHES**

- |  |                                  |
|--|----------------------------------|
| 12 frozen fried fish portions<br>(3 ounces each) | Leaf Lettuce                     |
| 1/4 cup oil                                      | 12 thin tomato slices            |
| Paprika  | Dill Sauce                       |
| 6 Pita Bread, defrosted and cut<br>in half       | or                               |
| 6 Pita Bread, defrosted and cut<br>or            | Mediterranean Style Tartar Sauce |
| 12 hamburger buns                                | 12 green onions                  |

**For Outdoor Cooking**

Brush fish portions lightly with oil. Sprinkle with paprika and place in a well-greased, hinged wire grill. Cook about 4 inches from moderately hot coals 6 to 8 minutes or until browned on first side; turn and cook 5 to 7 minutes on second side or until fish flakes easily when tested with a fork. While fish portions are heating, cut pita bread in half and wrap halves or hamburger buns in foil. Place at back of grill or in warming oven to heat. Fill each envelope of pita bread with a lettuce leaf, 1 slice of tomato, a fish portion, the sauce desired, and a green onion. Repeat process until all sandwiches have been prepared. If hamburger buns are used, assemble ingredients on bottom half of bun; cover with bun top. Makes 12 sandwiches, 6 servings.

**For Indoor Cooking**

Heat fish portions as directed on package label.

**To Heat Pita Bread**

Defrost frozen bread at room temperature 35 to 40 minutes and cut in half crosswise. Wrap bread in foil and heat slowly on back of grill. When preparing sandwiches indoors, warm bread slightly on a baking sheet in slow oven, 300° F., about 5 minutes.

**DILL FISH SAUCE**

- |                               |                                |
|-------------------------------|--------------------------------|
| 1 cup salad dressing          | 2 tablespoons chopped          |
| 1/2 cup chopped dill pickle   | pimiento                       |
| 1/2 cup catsup or chili sauce | 1 tablespoon dill pickle juice |
- Combine ingredients; mix well. Makes about 1 1/2 or 2 cups.

**MEDITERRANEAN STYLE TARTAR SAUCE**

- |                          |                             |
|--------------------------|-----------------------------|
| 1 cup salad dressing     | 2 tablespoons drained sweet |
| 1/3 cup coarsely chopped | pickle relish               |
| ripe olives              | 1 tablespoon lemon juice    |
| 3 tablespoon chopped     | Dash garlic powder          |
| green onion              | Dash cayenne                |
- Combine ingredients; mix well. Makes about 1 1/2 cups.

**Bowling For NOAA**

Bowlers needed for NOAA League—Thursday nights at 6 p.m. at Wheaton Triangle Lanes—starting September 7. For further information call Jesse Eaton at 942-7792.

**NWS Guidance Packs**

**Available Now For**

**Indiana, Michigan**

Two new automated guidance packages are now available to aid forecasters in Indiana and Michigan in preparing daily agricultural weather forecasts and advisories. The packages contain forecasts for 19 agricultural stations in Indiana and 27 stations in Michigan. Included in the guidance are 5-day forecasts of air and soil temperatures, and 3-day forecasts of relative humidity and probabilities of several amounts of precipitation. This system was developed by meteorologists John Jensenius, Ed Zurndorfer and Gary Carter of the National Weather Service's Techniques Development Laboratory, with support from Harold Scott of the Office of Meteorology & Oceanography. Expansion to other states is planned in the future.

**BEST FISH BUYS**

According to the NMFS National Fishery Education Center in Chicago, the best buys for the next week or so are likely to be fresh pollock fillets and fresh dressed mackerel along the Northeast Seaboard; fresh croaker and fresh hake steaks in the Middle Atlantic States, including the D.C. area; fresh grouper fillets and fresh mullet in the Southeast and along the Gulf Coast; frozen fried fish portions and frozen cod fillets in the Midwest; fresh silver salmon and frozen Greenland turbot fillets in the Northwest; and frozen ocean perch fillets and Alaskan snow crab claws in the Southwest.

**Open Season On Health Benefits**

The annual open season on health benefits will be from November 13 through December 8. Federal employees can change their health plans or enroll if they had elected not to do so before.

As in the past, new brochures are being prepared for all plans. Each brochure will contain a listing of its changes for 1979.

Each employee in NOAA will receive the following information via NOAA Central Distribution:

- Health Benefits Open Season Instructions (BRI41-117).

- Brochures for the two Government Wide Plans (BRI 41-24, Indemnity Benefit Plan and BRI 41-25, Service Benefit Plan).

- Biweekly Federal Employees Health Benefits Rates (BRI 41-212). Monthly rates (BRI 41-213) will be on stock with servicing personnel but will not be distributed to all employees.

The U.S. Civil Service Commission will be mailing brochures of each employee organization plan to members of the organization.

**Personnel (From p. 6)**

employment in these positions was 0.6% (182 positions).

Of special interest is the Department's performance in hiring non-career executive (i.e., employees at GS-16 to 18 with Non-Career Executive Assignments, Schedule C or Presidential Appointments with the advice and consent of the Senate). Representation of women in this category of positions was 11.1% in the Department compared with 13.3% Federalwide; the Department's figures increased significantly from 03.1% in 1976 and 0% in 1975. Although the Civil Service Commission did not have available the Federalwide minority data for this category, the Department's records as of March 1978 showed minorities comprising 16.2% of the supergrade who are subject to Secret appointment.

# **National Oceanic and Atmospheric Administration**

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July 23, 2010