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U.S. DEPARTMENT OF COMMERCE

NOAA news

National Oceanic and Atmospheric Administration

NOAA Signs Agreement With FEMA

Two Federal agencies providing safety-related services have agreed to coordinate their programs to improve the efficiency of their operations and eliminate duplication of effort.

Richard A. Frank, NOAA Administrator and John W. Macy, Jr., Director of the Federal Emergency Management Agency (FEMA), recently signed a memorandum of understanding creating machinery to place the changes into effect.

The agreement, they said, will speed delivery of service on information and hazardous weather conditions, and give the public clear and early warnings.

The plan provides for joint effort in warning and communications systems, planning and preparedness, technical assistance, coastal zone management, risk and damage assessment, hazard mitigation, research, public information, and training.



FEMA officials watch FEMA Director Macy (seated, l) and NOAA Administrator Frank (seated, r) sign agreement.

FEMA was created by President Carter April 1, 1979, to provide a single agency and official responsible for coordinating Federal emergency planning and response activities. NOAA, observing its tenth anniversary this year, was created in 1970 to execute a broad range of atmospheric and oceanic programs, including weather predictions and warnings.

Both agencies work closely with State and local governments in various emergency situations.

Trip to China Planned For Oceanographer

The first U.S. Government vessel in more than 30 years to work in Chinese waters and to visit the People's Republic of China will arrive in Shanghai this June, NOAA Administrator Richard A. Frank has announced.

The NOAA ship Oceanographer, 303-foot flagship of NOAA's research fleet, this summer will work together with a Chinese research vessel in the East China Sea, operating from Shanghai. U.S. and Chinese scientists will work aboard both vessels.

Frank described the voyage as "an historic joint research venture in an area that offers unique opportunities for scientific exploration of value to both countries.

"The United States will benefit from this research," Frank said, "because this area provides a unique opportunity to study intense sedimentation in a shallow sea. The sediment discharge on the Chang Jiang (Yangtze) River is large and the continental shelf off this estuary is

one of the widest in the world. By studying the mechanisms of sedimentation in this area, we will gain an understanding of the processes — physical, chemical, and geological — that have formed sediments in our own country and worldwide. Similar processes occur off the U.S. coast, but nowhere on a scale comparable to that in the East China Sea."

This is an important outgrowth of a protocol signed in Beijing (Peking) on May 8, 1979, by NOAA Administrator Frank for the United States and Shen Zhendong, Director of the National Bureau of Oceanography, for China.

Dr. Ferris Webster, NOAA Assistant Administrator for Research and Development, just returned from China where during a meeting in Beijing January 22-24, he obtained agreement for the Oceanographer cruise. Dr. John Milliman of the Woods Hole Oceanographic Institu-

(Continued on p. 2)

President Commends 7 NOAA Employees

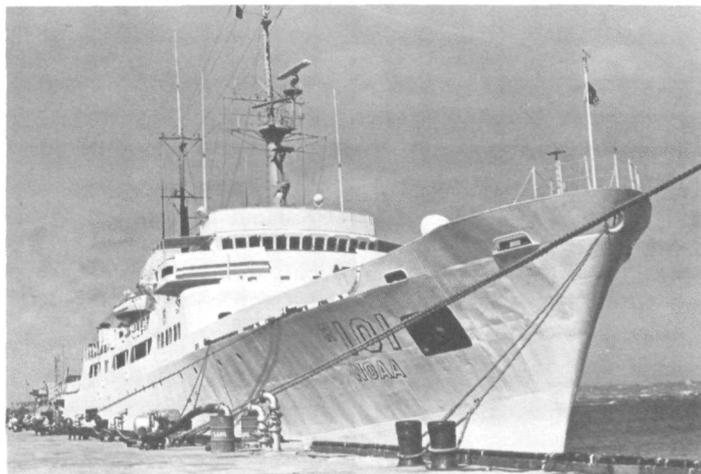
Seven NOAA employees, three from NESS and four from NOS, have received Presidential letters of commendation and cash awards for their "substantial contribution to more efficient government operations."

The three NESS recipients were commended for suggestions dealing with their activities at the Wallops Island Command and Data Acquisi-

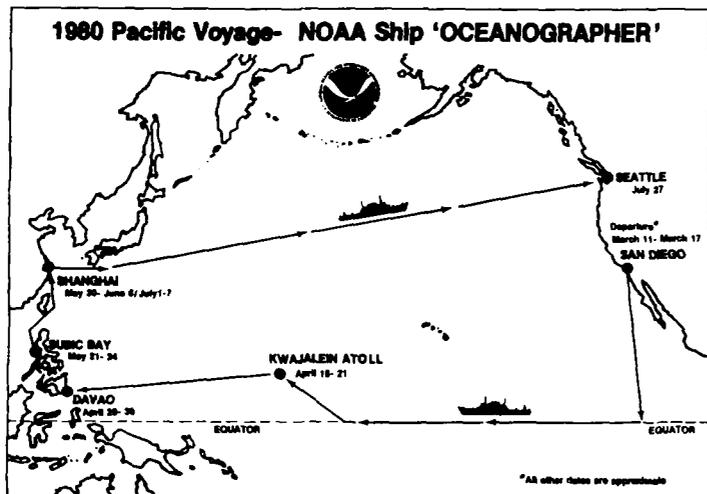
tion Center. They are Cyril A. Settles, a supervisory electronic technician; and Richard L. Duncan and Charles T. Whitelock, both electronics technicians.

George M. Insley, Jr., an NOS production control specialist, was commended for his suggestion that all Conventional Nautical Charts be standardized into a single

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NOAA ship Oceanographer



China Trip (From p. 1)

tion, Woods Hole, Mass., will be the U.S. Scientific Project Coordinator. A team of Chinese scientists will visit the United States in March to arrange the details of the joint research effort.

The Oceanographer, commanded by Capt. Gerald C. Saladin, will begin its research off China in late May on a transit from Subic Bay in the Philippines, and will depart Chinese waters in mid-July. Port calls will be made in Shanghai to change scientists, compare data, calibrate instruments, and reprovision.

Owing to the extreme shallowness and gentle slope of the ocean bottom in the area, the deep-draft (18 feet) Oceanographer will do research on the continental shelf away from shore, and the Chinese vessel will work close in to shore and in the estuaries. The continental shelf in that area is one of the widest in the world - stretching out as much as 400 miles

Awards (From p. 1)

basic printing format. A second NOS employee, Michael W. Day, a supervisory geodesist, was cited for a suggestion for a computer software package which eliminated the need to develop additional data.

Co-suggestor with Day, and also commended by

and including all the Yellow Sea and much of the East China Sea.

Project plans call for further cooperative work over a three-year period, culminating in a joint symposium to present work results and joint publication of the findings.

The Oceanographer is currently in the North Pacific studying mixing and internal-wave processes. It will return to San Diego, Calif., March 11. The ship will then go to Kwajalein Atoll and on to Davao, Philippines. This leg of its journey will be devoted to looking at apparent relationships between sea-surface temperature anomalies and global climate trends. From April 30 to May 21 the research vessel will undertake internal wave experiments in the Sulu Sea between the Philippines and Borneo, and on May 24 will leave Subic Bay for Shanghai.

The home port of the Oceanographer is Seattle, Wash.

President Carter, was Daniel A. Meyers, a former NOS computer technician who is now with NWS, Salt Lake City, Utah.

The seventh recipient, who has retired, was Wallace J. Ince, a surveying technician with the National Geodetic Survey, who developed a simplified surveying tilting rack.

1980 Bowhead Quotas Proposed

Proposed regulations restricting the number of bowhead whales that Alaskan natives may take during the 1980 hunting seasons were released by NOAA in late January.

The quotas - the same as those of the International Whaling Commission - limit the take of bowhead whales to 18 landed or 26 struck, whether landed or not.

The recommended regulations also allocate these quotas for the nine Alaskan whaling villages, as follows: Kaktovik (2 landed/3 struck), Nuigut (1/1), Barrow (5/7), Wainwright (2/3), Point Hope (2/3), Kivalina (1/2), Gambell (2/3), Savoona (2/3), and Wales (1/1).

Once a village has reached its landed or struck quota, it must stop whaling. Any unused portion of its quota may

be reassigned to other villages.

Residents of the villages hunt during the spring and fall when whales pass near their villages. The spring hunt, during which most whales are taken, begins about April 1 - depending upon ice conditions - and lasts six to eight weeks.

Besides establishing a quota, the proposed regulations also prohibit killing a calf or a whale with a calf, set out licensing requirements, allow natives to salvage dead unclaimed whales, require reports on kills and strikes, and establish penalties for violations of the regulations.

Comments are being solicited on the proposed regulations and should be sent to the National Marine Fisheries Service, NOAA, Washington, D.C. 20235, by March 4.

Black Heritage Month Observed

Throughout the month of February, Americans have been celebrating Black Heritage Month by honoring the achievements and contributions of American Blacks.

NOAA offices have participated with various programs since the beginning of the month. Those who still have activities planned include:

ERL/Boulder, Colo. - "Black Dimensions in Today's Society," guest speakers: Arva Jackson, Director, NOAA Office for Civil Rights; Dr. John Slaughter, Washington State University; D. D. Crombie, Director, ITS/NTIA; Symposium on "New Frontiers," Dr. William King & Dr. Wilfred D. Samuels, University of Colorado; Dr. Joseph Johnson, Grambling University, Louisiana; Arthur Fletcher, businessman. 2/28-29.

NESS/Suitland, Md. - "Reflections on Black Heritage," FB-4, 2/27 (contact: Jean Hyatt, 443-2597 or Reginald

Lawrence, 443-8142).

NOS/Rockville, Md. - films will be shown at 10 a.m. and 2 p.m., tenth floor conference room WSC-1, 2/25-27.

NWS/Silver Spring, Md. - "Equality: Reflections and Projections," Quality Inn, 9-11:30 a.m., 2/27, speaker: Honorable William L. Clay, U.S. Representative, St. Louis, Mo.

NOAA/headquarters - "Black Awareness in Today's Society," DOC Auditorium, joint services Color Guard presentation, keynote speaker, Dr. Lewis Perkins; unannounced special guest speaker; first annual student scientific/academic awards, 1 p.m., 2/28.

NMFS/Southwest Region, Terminal Island, Calif. - dinner dance with Black Performing Arts on The Queen Mary, Long Beach, 2/29.

NASO, M&B, NMFS, Northwest Region/Seattle, Wash. - Lake Union building will house activities throughout the week of 2/25-29.

Sea Grant College Status Awarded



NOAA Administrator Richard A. Frank presents a certificate of Sea Grant College status to Dr. Kenneth W. Allen, Acting President of the University of Maine. The ceremony, held in Orono on January 21, marked the designation of the joint University of Maine/University of New Hampshire program as the nation's thirteenth Sea Grant College. Left to right are Dr. Ned A. Ostenso, Director, National Sea Grant College Program; Patrick E. McCarthy, Chancellor, University of Maine; Allen; Frank; and Dr. Jeri A. Chase, Acting President, University of New Hampshire.

Public Safety Messages Are Now In Your Local Super Market

Take a good look at your grocery bag the next time you unload it—the message printed on it could benefit you and your family.

Public service messages, including National Weather Service safety rules for survival in tornadoes, flash floods, and hurricanes, are being carried home thanks to the innovation of the paper bag industry.

Some years ago, Western Kraft Paper Group, a paper bag manufacturer, recognized the need for public awareness to increase citizen safety. They began exploring methods of such a promotion with the Portland, Oregon police department. Crime prevention safety rules were printed on large grocery bags. The success of this venture is now paper bag history.

An epidemic of tornadoes suggested to a salesman at Kraft Paper that tornado safety information was a natural for distribution in tornado-prone states. Working with NWS they produced tornado safety information that was easily understood.

A normal followup for the states of Hawaii, Texas, Louisiana and Florida were hurricane safety rules. Tracking charts and prevention measures were printed and ready the instant the grocery bag was empty. A recent addition to the 'grocery poster' series is survival in flash floods.

The public reaction to the 'news bags' encouraged reorders. Florida-based Publix supermarkets reported a distribution of over 60 million hurricane safety bags.

In recognition of the public service by the mutual work of Western Kraft Paper Group as the idea developer and companies such as Hawaii Food Industry Association and Publix Super Markets as users, NWS presented them Public Service Awards.

Western Kraft Paper Group has absorbed the cost of developing and printing the bags with no additional cost to the grocer. They willingly share, at no cost, the negatives of these safety measures with other paper bag manufacturers.

DOC Supports Senate Bill To Aid Salmon Fishermen

The Department of Commerce strongly supports the Senate bill aimed at resolving some of the problems of Washington State salmon fishermen, James P. Walsh, NOAA's Deputy Administrator said in recent testimony before the Senate Committee on Commerce, Science and Transportation in Seattle.

Walsh said that the bill will conserve and enhance the salmon and steelhead resources of Washington State, reduce the number of vessels fishing for these species and assist both treaty and non-treaty fishermen.

"A well-planned program of enhancement, which includes hatcheries and other production facilities, can help to alleviate some of the competitive pressure on the salmon resources," said Walsh. "Hatchery fish contribute significantly to salmon catches in the Pacific Northwest. All of the Pacific Northwest States — Oregon, Washington, Idaho, and Alaska — as well as Federal agencies, Indian tribes, and the Canadian government have made considerable investments in hatchery facilities during the past several decades. Economic studies show that returns far outweigh costs, sometimes nearly 10 to 1."

Walsh pointed out that the commercial fleet adjustment

program described in the bill can reduce the harvest pressure on salmon and balance the fishing effort between treaty and non-treaty fishermen. He said that existing fishing capacity far exceeds available resources and that many fishermen can no longer make a living in this unhealthy economic climate. Walsh explained that by retiring non-Indian vessels, gear, and licenses, pressure on the resource will lessen, and both the resource and fishermen will benefit.

"The Department of Commerce supports the proposed fleet adjustment program because it will assist those who face economic difficulties," he said. "It will also reduce the number of non-Indian fishing vessels, permitting Indian fishermen to better exercise their treaty fishing rights."

Walsh added that the Tribal Fishery Development program described in the bill complements the fleet reduction program. "It will provide treaty Indians with an opportunity to increase their fishing power, modernize their gear, and become more competitive with the non-tribal fishermen," he said. "This is a worthy objective, in keeping with treaty fishing rights, and one that the Department of Commerce supports."

All NWS Forecast Offices Have DIFAX

NWS has completed implementation of Digital Facsimile (DIFAX) at all of its Forecast Offices. (See *NOAA News*, June 1, 1979.)

DIFAX replaced an analog facsimile system called FOFAX which served the meteorological community since the mid-1960s. The last transmissions on FOFAX were made January 7. The newly installed DIFAX provides the charts formerly

available from three other facsimile systems at higher speed and with improved resolution and readability.

GIVE BLOOD

AMS Honors 3 From NOAA

Three NOAA employees are among the recipients of the American Meteorological Society's 1980 Annual Awards presented in January at an awards luncheon at the Biltmore Hotel in Los Angeles, California.

Dr. Frederick G. Shuman, Director of NOAA's National Meteorological Center, Camp Springs, Maryland, shared the Society's second highest honor, the Second Half Century Award, with Dr. Andre J. Robert, Director of the Canadian Meteorological Center. The award is for "scientific leadership in the construction of different and original operational primitive equations models that produced significant benefits to Canadian and U.S. weather services."

Also sharing an award—the 1980 Cleveland Abbe Award for Distinguished Service to Atmospheric Sciences by an Individual—were Dr. Joseph Smagorinsky, Director of NOAA's Geophysical Fluid Dynamics Laboratory, Princeton, New Jersey, and Dr. Jule G. Charney, the Alfred P. Sloan Professor of Meteorology at MIT. The award is presented on the basis of activities that have contributed materially to the progress of the atmospheric sciences or to the application of atmospheric sciences to general social, economic, or humanitarian welfare.

The Award for Outstanding Service by a Weather Forecaster was given to Vernon G. Bohl "for a continuing record of superior quantitative precipitation forecasting that sets a standard among his peers, and his timely forecast of the very heavy precipitation to be expected from the major New England snowstorms in February 1978." Bohl is Deputy Chief of NOAA's Quantitative Precipitation Branch, Forecast Division, National Meteorological Center, Camp Springs, Maryland.

NOS Holds Hydrographic Conference

The Seventh Annual NOS Hydrographic Survey Conference was held recently in Gaithersburg, Maryland and was attended by over 150 participants from the National Ocean Survey, the Defense Mapping Agency, the U.S. Naval Oceanographic Office, the Naval Postgraduate School, and the Canadian Hydrographic Service.

The Director of the National Ocean Survey, R. Adm. Herbert R. Lippold, Jr., opened the Conference by highlighting the cooperation NOS has achieved with other surveying and charting organizations.

In addition to scheduled seminars, twenty-seven papers were presented, covering the field of hydrography from

project planning to application of the data to nautical charts.

Capt. Roger F. Lanier, Associate Director of the NOS Office of Marine Surveys and Maps, whose office sponsored the conference, announced that next year's conference will be held at the Atlantic Marine Center, Norfolk, Virginia.



Speakers at the recent NOS Hydrographic Survey Conference were (l to r): (seated) Candice Levy, Thomas Moore, Lt.Cdr. Richard Floyd, Lt.Cdr. Louis Lapine, R.Adm. Herbert R. Lippold, Capt. Roger F. Lanier, Capt. John Bossler, Charles Ellis, George MacDonald, and Lt. Pamela Chelgren; (standing) Louis Adamo, Steve Grant, Lt.Cdr. Donald Suloff, James Shea, Dr. Lloyd Huff, Billy Barnes, Lt.Cdr. Dean Seidel, Gregory Fromm, Lt.Cdr. David Yeager, Lt.Cdr. Kurt Schnebele, Lt.Cdr. Gregory Bass, Lt.Cdr. Robert Hopkins, Robert Rodkey, Floyd (Bob) Watts, and Lt. Alan Anderson.

Hypothermia Conference Meets At University of Rhode Island

More than 160 participants from five nations recently attended the First International Hypothermia Conference and Workshop at the University of Rhode Island.

The meeting, sponsored by NOAA-Sea Grant, the university, and others, attracted physicians, researchers, and other experts on the subject from Great Britain, Canada, Scotland, West Germany, and the United States.

Under the coordination of Neil Ross, of the Marine

Advisory Services, the conference concentrated on the prevention, survival, and treatment of hypothermia, a condition of lowered internal body temperature caused by exposure to cold air or water which can result in death.

Findings of Sea Grant research on near drownings by Dr. Martin J. Nemiroff, University of Michigan, were presented to the meeting by Dr. Alan Steinmen, U.S. Coast Guard, Washington, D.C.

NOAA EEO Meetings Open

Meetings of the NOAA EEO Committee are open to all employees according to Committee Chair Norma Hughes.

Monthly meetings are held at 1:30 p.m., Rm. 926, WSC-5, Rockville, unless otherwise posted and are scheduled for: March 12, April 9, May 14, June 9, July 9, August 13, September 10, October 8, November 12 & December 10.

Quarterly meetings with the Administrator and the Assistant Administrator for M&B will be announced later.

New Card Eases Absentee Voting

A new revised Federal Post Card Application (FPCA), designed to make absentee registration and voting easier for an estimated five million U.S. citizens can be used starting with the 1980 primaries.

The third major revision since its inception during the early days of World War II when a Federal effort was mounted to allow millions of Americans away from their homes to vote, the new FPCA's are highly recommended because almost all the States will accept the new form as a simultaneous application for both registration and application for an absentee ballot.

Although more States than ever before will accept the new FPCA in this simultaneous fashion, some States will still treat the new FPCA as only a registration request which must be followed by a voter sending another FPCA to request an absentee ballot.

A few States take the view that the new FPCA, as well as the old FPCA, is only a request to receive State registration forms which must first be returned to the State before registration is completed.

The new FPCA contains 16 detailed questions that provide all the States, Territories and the District of Columbia with the information they need to process a citizen's request.

When mailing the FPCA, voters should remember that the FPCA is a postage-free form as long as it is mailed in a U.S. postal facility or mailed from an APO or FPO facility.

Voters may also mail their FPCA's from all embassies and consulates. However, voters not utilizing the APO/FPO system, either from a military installation, embassy or consulate must place sufficient air-mail postage on the card, at their expense, to insure the FPCA is returned to the stateside election jurisdiction.

Although the Presidential election is still more than nine months away, citizens voting in New Hampshire start off the election year with the nation's first Presidential Primary on February 26, with nine other States having Presidential Primaries in March.

In total, 35 States will hold important Presidential Primary elections during 1980; the most ever in U.S. history.

In addition to Presidential Primaries, all States, Territories, and the District of Columbia will hold a State primary election with Illinois holding the first on March 18.

For more information contact Cotton Bowen, NOAA Corps, 11400 Rockville Pike, Rockville, MD 20852, (301) 443-8616.

URI Sea Grant Depository Funded

NOAA has provided a \$111,000 grant to the University of Rhode Island for the continued support of the Sea Grant Depository.

The Depository, housed in the Claiborne Pell Marine Science Library on the Narragansett campus of the university, provides the only centralized access to publications prepared under auspices of the National Sea Grant College Program.

Access is provided

by bibliographic computer searches and by temporary loan of actual publications.

During the period of the grant, the depository will strengthen its services to the public and review its capabilities for storing and disseminating information to determine the scope of its operations in the future. At present, there are 5,907 documents in the facility's archive document file and 11,814 in its circulating loan file.

NMFS Publication Aids Researchers

The National Marine Fisheries Service recently published a document to aid in the development of a social scientific network in the marine fisheries field.

The document, "United States Fisheries Systems and Social Science: A Bibliography of Work and Directory of Researchers," is composed of two parts. The first is a bibliography of contemporary work - published, unpublished, and current research - primarily in the disciplines of anthropology,

sociology, and political science. The second part is a detailed directory of social science researchers who have an active interest in fishermen and marine affairs and includes addresses, phone numbers, and specifications of each researcher's subject and geographical areas of interest.

Information on obtaining the document may be obtained from Office of Resource Conservation and Management, NMFS, Washington, D.C. 20235. 202/634-7218.

NOAA Suggestion Awards Listed

Suggester's Name	Amount	Suggestion Title
B. Jean Becerra ERL	\$35.00	Automation of data request system
Stephen C. Chapra ERL	25.00	Student editing and design
Vee Mitchell Gloria Koenig Larry Seegrist Ann Malelock Sally Kuleitzele Richard Huey William Malone Kenneth Kieffer ERL	Honorary	Lint free cleaning cloths
Patti Crews Frances Nastex ERL	50.00 50.00	Storage rod for computer tapes
Nancy M. Rogers NMFS, Southeast Region	100.00	Separated Federal Employee Benefits memorandum
Michael V. Nikolaiev NWS, Southern Region	100.00	WSR-57 Remote PPI cam assembly modification
Donald E. Henry NWS, Southern Region William N. Johnson NWS, Southern Region Norman J. Putrite NWS, Southern Region James M. Crossen NMFS, Northeast Region	175.00 100.00 100.00 100.00 50.00	Improved alignment of GDM video cards NOAA weather radio tone alert circuit Buddy system & indoctrination Key drop box
Lyle R. Schaller NWS, Central Region Frank D. Lamison NOS, AMC Carole C. Gregory NOS, AMC	25.00 Letter of Appreciation 40.00	Addressing WS Form F-61 Electrical disconnection of concession machines Presentation of Approved Incentive Award Justification to employee
Marie Malone NWS, Alaska William M. Trigg NWS, Alaska	100.00 120.00	Revision of 53-1 Ceilometer bulb replacement

PERSONNEL PERSPECTIVE

Plan to Retire?

Personnel is interested in assuring that all employees who are considering any kind of retirement are aware of the necessary forms to be completed prior to their separation date. There are three required forms and one form which can be optional for the employee, but must be completed by Personnel.

All employees who are retiring must file Standard Form SF-2801, "Application for Retirement," with their

servicing Personnel Office or, in the Washington, D.C., metropolitan area, with MB/PERS3. Be sure to indicate the type of annuity you elect to receive on Page 2 of SF-2801. Do not forget to sign and date the SF-2801. SF-2801 will be released to the Office of Personnel Management by NOAA Personnel through NOAA Payroll upon receipt of an Employee Accountability Form (NOAA 55-1) and Separation Action (SF-52).

The NOAA 55-1 (also called a "Clearance Form") is required in all separation actions (retirements, deaths, resignations, etc.). Attach your building pass to Form 55-1 and give to your timekeeper to send in with the last time card. Form 55-1 must be received by NOAA Payroll before any lump-sum leave will be paid and

before any paper-work is released to OPM. NOAA supervisors have the responsibility to insure completion of the NOAA 55-1. Supervisors should refer to NOAA Directives Manual 55-99 for this requirement. Employees need to be aware of this form because their money (annuities and lump-sum payment) will be delayed if it is not completed.

A third required form is the Personnel Separation Action, a SF-52. Your servicing personnel office will receive this action from either your supervisor or Administrative Officer. You can expedite the processing of this form by giving at least 30 days advance notice by advising your supervisor of the date of your retirement and personally calling your servicing personnel office. Again, until this separation

action is received by NOAA Payroll, your retirement application will *NOT* be released to OPM.

The fourth form mentioned is Civil Service Commission Form 1084. A potential retiree can request that this form be completed as much as two years before retirement. One of the form's functions is to provide a service history to you; hence, the early request would be valuable.

Maybe you aren't eligible to retire when you think you are. Have you ever checked your Service Computation Date? Is all your prior service documented?

In order for OPM to do computation comparisons of the Cost of Living (COL) of September 1 and the COL of March 1, 1980, retirement applications must be submitted by February 29.

CURRENT NOAA VACANCIES

Announcement Number	Position Title	Grade	Organization	Location	Issue Date	Closing Date
HQS#80-14(RW)	Director	ES-301	HQS	Washington, D.C.	2/11	3/4
EDIS/80-38CG	Supervisory Oceanographer	GS-15	EDIS	Washington, D.C.	2/5	2/26
NESS/80-3VLM	Supervisory Physical Scientist	GS-15	NESS	Suitland, Md.	2/5	2/26
NWS-80-41GZJ	General Engineer	GS-14	NWS	Silver Spring, Md.	2/13	3/6
NWS-80-43(FM)	Meteorologist	GS-14	NWS	Silver Spring, Md.	2/13	2/28
NWS-80-45(FM)	Supervisory Meteorologist	GS-14	NWS	Houston, Tex.	2/13	3/6
NOS-80-31(DB)	Geodesist	GS-13	NOS	Rockville, Md.	2/13	3/6
OCZM-80-41EAF	Program Analyst	GS-13	OCZM	Washington, D.C.	2/5	2/26
ERL-80-11LS	Hydrologist	GS-13	ERL	Ann Arbor, Mich.	2/11	4/18
NESS 80-4(BJJ)	Physical Scientist	GS-13	NESS	Suitland, Md.	2/11	3/4
NWS-80-46(FM)	Meteorologist	GS-13	NWS	Silver Spring, Md.	2/13	2/28
NMFS-80-43CG	Industry Economist	GS-12/13	NMFS	Washington, D.C.	2/11	3/4
NASO-80-7	Supervisory Fishery Development Specialist	GS-12/13	NMFS	Seattle, Wash.	2/13	3/6
NMFS-80-40CG	Fishery Biologist	GS-12/13	NMFS	Washington, D.C.	2/5	2/26
NWS-80-35(WL)	Meteorologist	GS-12	NWS	Camp Springs, Md.	2/13	2/28
NWS-80-40(GZJ)	General Engineer	GS-12	NWS	Silver Spring, Md.	2/13	3/6
SER-80-9(RH)	Fishery Biologist	GS-12	NMFS	Pascagoula, Miss.	2/13	2/28
NWS-80-34(WL)	Meteorologist	GS-12	NWS	Camp Springs, Md.	2/13	2/28
NASO-80-6(LMN)	Fishery Development Specialist	GS-9/11	NMFS	Seattle, Wash.	2/11	2/26
HQS-80-4(AS)	Management Information Specialist	GS-9/11	HQS	Rockville, Md.	2/5	2/26
WR-80-14(DD)	Electronics Technician	GS-9/10	NWS	San Francisco, Calif.	2/13	2/28
ERL-80-28(RT)	Oceanographer	GS-9	ERL	Seattle, Wash.	2/13	2/28
NMFS-80-47(LT)	Computer Programmer	GS-9	NMFS	Washington, D.C.	2/13	3/6
ERL-80-29(RT)	Chemist	GS-9	ERL	Seattle, Wash.	2/13	2/28
ER-80-6(SB)	Meteorological Technician	GS-7/8/9/10	NWS	Greensboro, N.C.	2/13	2/28

Bonds Conversion

Conversion from U.S. Series E Savings Bonds to U.S. Series EE Energy Savings Bonds, as announced by the Treasury Fiscal Requirements Manual, Bulletin No. 79-11, dated August 17, 1979, will be implemented by the NOAA Biweekly Payroll System commencing with the paychecks dated April 2, and the Semimonthly Payroll System, with the paychecks dated April 11. Additional information will be circulated and posted by designated agents.

ENERGY.
We can't afford to waste it.

NOTES ABOUT PEOPLE

Ronald Bailey was selected to be an electronics cooperative student through a recent agreement between NWS and Olive-Harvey College, Chicago, Illinois. He will be stationed at WSFO Chicago.

Leonard W. Snellman, Chief of NOAA's Scientific Services Division, NWS Western Region, Salt Lake City, Utah, has been elected to the Council of the American Meteorological Society for a three year term.

Capt. Wesley V. Hull, Associate Director, Office of Oceanography, was recently named a Fellow of the Society of American Military Engineers for "dedicated service and eminence in military engineering."

Morgan C. Ballard is the new Official-in-Charge at South Bend, Indiana. He comes to the NWS Central



Morgan C. Ballard

Region from the Alaskan Region where he served as the Official-in-Charge at WSO Barter Island.

After six years as an aerographer's mate in the Navy, he began his NWS career in 1969 at WSFO Birmingham, Alabama. He subsequently served at Swan Island, Las Vegas, Nevada, WSMO Centerville, Alabama, and WSO Meridian, Mississippi. He has a B.S. in business administration from Livingston University and has completed his meteorology requirements through Penn State University.



These NMFS Southeast Region Special Agents underwent recent firearms training and qualifications at MacDill Air Force Base range and all qualified on the combat pistol and shotgun courses. Seven of the ten achieved expert scores. Shown (l-r, 1st row): Charles Fuss, Suzanne Montero, Gary Whitman, Pat Parker, Dan Dunn; (back row) Bob Spraitz, Ed Smith, Tom Maher, Mike Christian, Dave Weatherly. Agent Andy Mejias was on a priority assignment in Mexico City and Agent Ron Dearmin was attending the Criminal Investigators School at the time the photo was taken.



The Oceanographer's "Can Man," Mike Bates readies the aluminum cans for a trip to the recycling center.

There's Money In Those Aluminum Cans

The crew and officers of the NOAA ship Oceanographer of PMC Seattle have added \$144.00 to their recreation fund by saving and recycling 534 pounds of aluminum cans during the 1979 field season.

Mike Bates, of the Survey Department, nick-named the "Can Man", initiated the idea when he saw that many cans from the ships soft drink machine were being needlessly tossed overboard when the ship was at sea. He placed a container next to the machine with a sign stating that all money from recycling would go to the ships recreation fund. Similar containers were placed in the ships lounges.

Since the Oceanographer has been operating frequently in tropical regions of the

Pacific, soft drink sales are often brisk.

"It took a while for everyone to get into the habit of saving the cans, but once they learned how much we could earn, all hands caught the spirit," Bates said. "After our first Seattle inport the 'Can Man' posted a notice stating that 435 pounds had been saved for a total of \$117.00; after that the amount of cans saved increased over 60%. Besides the monetary profit, all hands can feel proud that they are contributing toward a cleaner environment."

The only effort necessary is for someone, such as the "Can Man", to volunteer his time to occasionally crush and bag the cans, and of course recycle them when the ship returns to port.

Law Enforcement Division Gets Citation

The Law Enforcement Division, Southeast Region, NMFS was awarded a NOAA Unit Citation. The award was presented by Deputy Regional Director Harold Allen at the Division's annual training session in St. Petersburg, Florida in November.

The recipients were recommended for utilizing an innovative approach to solving

enforcement problems with limited resources, specifically in developing quantitative methods for planning and evaluating selective enforcement, promoting a coordinated state/Federal system, identifying critical communications needs and solutions, and establishing a comprehensive training program for agents and state officers.



SEA SCALLOPS IN SHELLS

1 1/2 pounds sea or other scallops, fresh or frozen
 1 cup water or 1/2 cup dry wine and 1/2 cup water
 1 teaspoon salt
 1/4 cup margarine or butter
 1/2 pound small mushrooms, sliced
 1/3 cup finely chopped celery
 1/3 cup sliced green onion
 3 tablespoons flour



Dash of white pepper
 1 1/4 cups half-and-half
 1 tablespoon lemon juice
 Dash liquid hot pepper sauce, optional
 2 tablespoons chopped pimiento, optional
 1 cup very fine soft bread crumbs

Thaw scallops if frozen. Rinse with cold water to remove any shell particles. Cook scallops in water or wine and water and 1/2 teaspoon salt until tender, about 5 minutes. Drain; save cooking liquid. Cook liquid until it is reduced to 3/4 cup. Cut large scallops in half. Melt 3 tablespoons margarine or butter in saucepan. Add mushrooms; cook until tender and moisture evaporates. Add celery and onion; cook 2 to 3 minutes. Stir in flour, remaining 1/2 teaspoon salt and pepper. Add half-and-half and cooking liquid; cook until thickened, stirring constantly. Stir in lemon juice and liquid hot pepper sauce, if used. Add scallops and pimiento; heat. Spoon into 6 or 8 shells or individual baking dishes. Melt remaining 1 tablespoon margarine or butter; mix with bread crumbs. Sprinkle around edges of each dish. Bake in hot oven, 400° F., 10 to 12 minutes. Makes 6 to 8 servings.

NOAA news

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Salmon Eggs Restore New England Stock

NOAA and the U.S. Fish and Wildlife Service are using the fertilized eggs of Atlantic salmon raised in the Pacific Northwest in an attempt to replenish New England's stock of the fish.

This new effort will complement the large-scale program of the Fish and Wildlife Service to rehabilitate the runs of these salmon into New England waters.

During the next 10 years, NOAA and the Fish and Wildlife Service, a part of the Interior Department, anticipate shipping up to five million such eggs annually to the Northeast from Washington State.

Under the program, young Atlantic salmon from New England are being flown to NOAA's Aquaculture Experiment Station at Manchester, Washington, and raised in saltwater pens in Puget Sound. When mature, the fish are spawned and their eggs shipped to Fish and Wildlife hatcheries in New England where the fish are hatched, reared and released into streams entering the Atlantic.

The first batch of 120,000 eggs were fertilized in November by 50 mature male salmon air shipped to Manchester from the Penobscot Bay in Maine.

These eggs came from 30 mature female salmon raised in Puget Sound during an earlier experiment to develop an Atlantic brood stock in the Northwest which NOAA's National Marine Fisheries Service launched at its Seattle fishery center in 1970.

These fertilized eggs were incubated in Seattle and flown to Berlin, New Hampshire, where they will be

cared for until they are large enough for liberation.

Every shipment of fish and eggs is certified by a fish pathologist to assure maximum protection against the transmitting of diseases.

NOAA has found that the pen-reared salmon grow rapidly because of the moderate, year-round seawater temperatures of Puget Sound which range from 42-60 degrees (6-16 C). Seawater temperatures in New England are colder in winter and warmer in summer.

Past Federal, State, and private efforts to develop self-supporting runs of salmon in New England were relatively unsuccessful due to a lack of enough eggs and young fish to liberate. Even though streams were cleared, sources of pollution cleaned up, dams removed, and hatcheries built, adult salmon did not return to their natural streams in enough numbers to establish viable runs. The new program is expected to provide the large, dependable source of eggs needed to establish self-sustaining runs.

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