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New Members Appointed to FM Councils

NOAA Administrator Richard A. Frank, acting on behalf of the Secretary of Commerce, has appointed seven new members and 13 incumbents to vacancies on the nation's eight Regional Fishery Management Councils. The appointments were effective August 11, 1977.

The Councils, established by the Fishery Conservation and Management Act of 1976, are responsible for preparing fishery management plans for stocks of fish found in waters within their geographical areas.

The Act requires that members to the Councils be selected from lists of qualified individuals submitted by the Governors of the states involved. Forty-eight Council members were appointed last August for two- or three-year terms.

New members appointed were: Herbert R. Drake, General Manager, H.R. Drake & Sons, Rye Harbor, N.H.; Omar G. Allvard, Electric Boat Division, General Dynamics Corp., Groton, Conn.; and, Robert Lowry, retired State conservation officer, Carolina, R.I., all to the New England Council; Barbara B. Porter, President, South Shore Marina, Inc., Bethany Beach, Del., and Harry

(Continued on p. 2)

NOAA Ship Visits Cuban Waters



Cdr. Phillip Johnson, NOAA Corps, examines a lantern salvaged from outside the sunken Civil War ironclad, U.S.S. Monitor, in a recent diving effort by NOAA and the Harbor Branch Foundation, Inc., Ft. Pierce, Fla. The lantern may be the last thing seen of the Monitor when it sank on New Year's Eve, 1862.

NWS' Joseph H. Strub, Jr. Receives Posthumous Award

The late Joseph H. Strub, Jr., former Meteorologist in Charge of the National Weather Service Forecast Office in Minneapolis, Minn., was awarded the U.S. military's highest civilian award, the Distinguished Civilian Service Medal, on July 7.

The award, signed by Army

Secretary Clifford Alexander, was presented by District Engineer Col. Forrest Gay, U.S. Army Corps of Engineers, to Strub's widow, Anne, during a ceremony at Army Headquarters in St. Paul.

The award honored Strub's outstanding assistance to the Army while serving as the Twin Cities forecaster. This included setting up a network of volunteer observers around Minnesota to improve flood forecasting, and timely and accurate flood forecasting that saved lives as well as dollars.

Col. Gay began work on the award right after Strub died of cancer in May 1976. In the presentation ceremony, he pointed out that Strub was revered in public and private circles.

A meteorologist for 33 years, Strub was the MIC at the Minneapolis-St. Paul International Airport from late 1968 until his death. He also was a

(Continued on p. 2)

A NOAA oceanographic research vessel has become the first U.S. ship in the past 16 years to receive diplomatic clearance to operate near Cuba.

Last month the 278-foot, 2,800-ton Researcher, sailing as part of a study of the Gulf of Mexico Loop Current, was inside Cuban territorial waters for about a day and a half, measuring water salinity, water temperature, and depth.

NOAA officials, working through the State Department, obtained permission for the Researcher to make the measurements at a site 2.9 miles from the Cuban mainland, off Havana. Cuba claims jurisdiction over waters 200 miles from its coastline, but the U.S. only recognizes the traditional three-mile jurisdiction.

The Researcher sailed into Cuban waters the evening of July 13, after picking up two Cuban scientific observers at a rendezvous point. The measurements were made during the next 24 hours, and the observers were disembarked the morning of July 15. There were no incidents, NOAA officials said, and the scientists from both coun-

(Continued on p. 2)

GOES-2 Now Fully Operational

NOAA's geostationary environmental monitoring satellite launched last June is now operational.

The satellite, GOES-2, is at an altitude of approximately 22,000 miles (35,400 kilometers) above the Equator at 75 degrees West longitude. From this position, the satellite keeps watch on most of North and South America and the Atlantic Ocean.

GOES-2 replaces GOES-1 as the east coast satellite for NOAA's National Environmental Satellite Service (NESS).

(Continued on p. 2)



A Baton Rouge chemical company, under permit from EPA, recently dumped inorganic industrial wastes containing high concentrations of metallic sodium in the Gulf of Mexico's Central Gulf Dump Site. Drs. Ed Meyer and John Proni, and Lt. Cdr. Floyd Childress of NOS' Ocean Dumping Program Office were at the site as observers.

NOS Ocean Dumping Head Named

Dr. P. Kilho Park, an oceanographer and expert on the chemical aspects of the marine environment, has been appointed manager of National Ocean Survey's new Ocean Dumping Program, headquartered in Rockville, Md.

As manager of the program, Dr. Park will study industrial waste sites in the Gulf of Mexico, off Puerto Rico, and off the Atlantic seaboard adjacent to the New York Bight where NOAA is currently studying the ecological impacts of oceanic pollution.

Formerly with ERL in Boulder, Dr. Park was head of the National Science Foundation's Oceanography Section in 1970-1971. He was program director for physical and chemical oceanography at the Foundation during 1969-1970.

Born in 1931 in Kobe, Japan, Dr. Park holds a B.S. degree in fisheries from the Fisheries College in Pusan, Korea. In 1957, he received an M.S. in Oceanography from Texas A&M, and a Ph.D. from the same university in 1961. He became a U.S. citizen in 1968.

Councils *(From p. 1)*

M. Keene, Easton, Md., charter boat owner-operator, both to the Mid-Atlantic Council; Margaret (Peggy) Stamey, Raleigh, N.C., to the South Atlantic Council; and Gordon Jensen, commercial fisherman, Petersburg, Alaska, to the North Pacific Council.

Incumbents reappointed were:

New England Council: Thomas A. Norris, Milton, Mass., Vice-President, McCormack, and Old Colony Trawling Corporations.

Mid-Atlantic Council: David H. Hart, marine fisheries consultant, Cape May, N.J.; and Dr. William J. Hargis, Jr., Director, Virginia Institute of Marine Science, Gloucester Point, Va.

South Atlantic Council: Edgar C. Glenn, Jr., retired, Beaufort, S.C.

Gulf of Mexico Council: John



The Model Division of EDS's Center for Climatic and Environmental Assessment (CCEA), located in Columbia, Mo., recently received a Unit Citation for its support of the tri-agency effort, Large Area Crop Inventory Experiment (LACIE). Dr. Norton Strommen (left), CCEA Director, presents the award as division members look on. Left to right: Dr. Strommen, Henry Warren, Dr. Sharon LeDuc, Jeanne Beare (student aide), Rita Fobian, Dr. Sakamoto, Rita Terry, Marguerite Johnson, and Nancy Beever. (Not shown, Dr. Thomas Phillips.)

NOAA Records Must Be Reduced by 10 Percent

NOAA's Annual Records Management Report to the Department of Commerce is now in its final stage.

This year's report has a two-fold purpose: (1) to give an accurate count of NOAA's records holdings, and (2) to reduce NOAA's records by 10 percent in accordance with the President's Management Initiative Program.

The PMIP has since been suspended, but we are required to continue the 10 percent records holding reduction drive under NOAA's Fiscal Year 1977-78 Management Plan.

To date the records holding

M. Green, President, Miller-Vidor Land, and E.H. Green Lumber, Companies, Beaumont, Tex.; George A. Brumfield, Manager, Mississippi Operations, Zapata-Haynie, Corp., Moss Point, Miss.; and, Billy J. Putnam, charter boat captain, Panama City Beach, Fla.

Caribbean Council: John A. Harms, Jr., President, Lagoon Marina, Inc., Red Hook, St. Thomas, Virgin Islands.

Western Pacific Council: Peter S. Fithian, Director, Greeters of Hawaii, Ltd., Honolulu; and Louis K. Agard, Jr., commercial fish spotter, Honolulu.

Pacific Council: Herman J. McDevitt, attorney, Pocatello, Idaho; and Vernon J. Smith, supervising electrician, Santa Clara County, San Jose, Calif.

North Pacific Council: Clem Tillion, fishing boat charters, Halibut Cove, Alaska.

reduction for NOAA is three percent.

The final FY77 records holding report is due in the Records Management Section, AD126 (through NOAA's Records Liaison Officers, on form CD-152) by October 10. More detailed information about this report is found in NOAA Circular 77-24, filed in NOAA Directives Manual 62-28.

NMFS Hires Faculty Member To Aid Recruitment Effort

Pearlie Mae Fennell, who is an assistant professor of chemistry on the Texas Southern University faculty in Houston, Tex., began a three-month assignment in July with NMFS's Northwest and Alaska Fisheries Center, Seattle Laboratory.

The Center conducted a nationwide search to assure that qualified minorities are among

Researcher *(From p. 1)* tries worked in "professional harmony." Results of the tests were provided the Cuban observers.

The Researcher, based in Miami, carries a complement of 76 officers, scientists, and crew. Its 4,000 square feet of laboratory space is equipped with the latest oceanographic research equipment.

GOES *(From p. 1)*

GOES-1 is being moved to about 80 degrees West until mid-October when the fall eclipse season ends. After that it will be positioned near 105 degrees West in a stand-by mode.

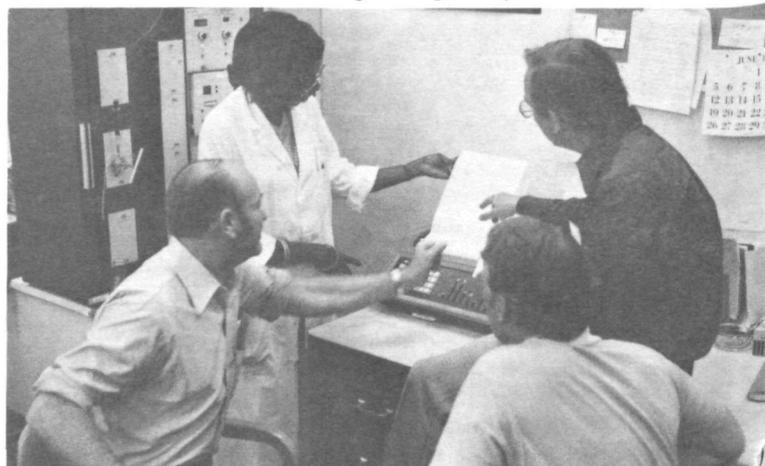
NESS maintains another operational geostationary satellite, SMS-2, for west coast coverage. It is at 135 degrees West, and monitors much of the North and South Pacific Ocean as well as the Western U.S., including Southern Alaska and Hawaii.

Strub *(From p. 1)*

climatologist and a hydrologist. Among his awards were the Commerce Gold Medal for his forecasting of the 1969 flood level and the Commerce Silver Medal for flood level prediction in 1965.

those considered to fill vacancies. By fostering interest among the faculty members of predominantly minority schools, they hope to assure candidates for future recruitment.

During her stay with the Seattle Laboratory, Fennell is working on the effect of aromatic hydrocarbons on the hepatic system of fish.



Pearlie Mae Fennell (top left) examines a computer printout of a high pressure liquid chromatograph with Center personnel, Dr. Dayton L. Alverson (bottom left), Dr. Lawrence C. Thomas (top right) and Dr. William D. MacLeod (bottom right).

Scuba Diving?

Follow the Rules to Safety

Scuba diving—enjoyed by more than two million Americans—has become increasingly safe but each year accounts for more than 100 needless fatal accidents.

In 1975, however, for the first time in four years deaths attributed to recreational scuba diving accidents declined, even though the number of Americans taking up the sport increased.

Encouraged by these facts, diving experts with the National Oceanic and Atmospheric Administration (NOAA) believe the total can be reduced even further if divers observed the common-sense rules most of them have been taught during training.

A new wallet card soon to be published, NOAA's Diver's Safety Check-list, carries the following precautionary rules:

- Before diving:
1. Thoroughly trained by a professional instructor?
 2. Thoroughly familiar with equipment?
 3. Right equipment for the kind of diving planned?
 4. Health good, with no head or chest colds?
 5. Thoroughly familiar with the diving area?
 6. Aware of symptoms of diving illnesses?
 7. Aware of location of nearest medical help and recompression chamber?

8. Specially trained for type of diving—i.e. wreck, cave, ice, surf, or high altitude diving?

9. Is your dive planned?

During diving:

1. Companion diving with you?

2. Diving flag clearly displayed on surface?

3. Experienced enough for depth and visibility conditions?

4. Alert to currents, tides, water temperature, etc.?

5. Aware of environmental dangers—polluted water, hazardous marine animals, bottom conditions?

After diving:

1. Free of symptoms indicating diving illnesses?

2. Time allowed for bodily adjustments before flying?

3. Preventive maintenance performed on equipment?

4. Logged your depth and bottom time?

"We are trying to impress divers with the thought that they should plan each dive, and then dive according to the plan," said Dr. James Miller, deputy director of NOAA's Manned Undersea Science and Technology office. "In other words, divers should think through every step first, and then conduct themselves underwater accordingly."

Kawka Commands Kelez

Lt. Cdr. Michael Kawka, of New York City, N.Y., has been appointed commanding officer of the NOAA Ship George B. Kelez. He has been the ship's executive officer since October 1974.

The 177-foot Kelez conducts ecological studies in coastal areas in the Atlantic Ocean. It is her third year of a five-year ecology study of the New York Bight.

Lt. Cdr. Kawka has been a NOAA commissioned officer since 1968. His previous service includes duty aboard the NOAA Ship Pathfinder, recruiting officer at the Atlantic Marine

Center, and with the Plans and Policy Development Staff of



Lt. Cdr. Michael Kawka
National Marine Fisheries Service.

WMO Scientists Meet to Calibrate Ozone Sensors

Representatives from the U.S. and nine other nations are meeting in Boulder, Colo., this month to calibrate instruments that measure total atmospheric ozone. The instruments are used in assessing changes in the atmospheric ozone concentration and the effect of these changes upon life on the earth's surface.

Hosted by NOAA at the Environmental Research Laboratories, the conference continues through August 19.

Walter D. Komhyr, supervisory physicist with ERL's Air Resources Laboratories Geo-

physical Monitoring for Climatic Change (GMCC) program, and convener of the gathering, which was organized by the World Meteorological Organization, said the NOAA spectrophotometer in Boulder was recommended as the primary reference for total ozone observations.

Scientists from Denmark, the United Kingdom, Canada, the Soviet Union, Japan, Australia, Egypt, and the German Democratic Republic have brought their instruments—150 pound (70 kilogram) Dobson ozone spectrophotometers—with them for calibration.

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



Commerce Secretary Juanita M. Kreps recently visited the Presswork Branch of the National Ocean Survey's Reproduction Division where she observed the operation of the new multicolor lithographic presses and examined various maps printed by the Division. First row, left to right: Ronald J. Wright, William Lowenstein, Alethea J. Morris, Secretary Kreps, Habeeb-Ullah Muhammad, James E. Cole, Jr., Joe E. Jackson, Alexander Gibson. Second row, left to right: Willie G. Murphy, Gregory B. Jones, Donald J. Smith, Willie M. Smith, Stephen T. Badan, Gleason S. Henry, Martin Hunt, Edward L. Spurrier, Charlie E. Lyon, Jr., and Matthew McCree.

"Life on the Bounding Main"--Ho



The Bonny Rover dockside at Baltimore's Inner Harbor.

The Bonny Rover, Norfolk's official entry in the Norfolk-to-Baltimore Cup Race, sailed gallantly into Baltimore's Inner Harbor on one of the few good gusts she caught during the 128-mile race held last June. She finished 12th in a field of 20 ships, sailing well ahead of the Pride of Baltimore, the city-owned Baltimore clipper ship on her maiden voyage.

After the race, NOAA Corps Commander Merritt Walter, his wife, Bonnie, and their sons, Shon and Ward, relaxed in the main salon of the topsail schooner, a 65-foot, 25-ton ferrocement boat built in Newport News, Va., six years ago.

"The vessel is pretty good in all-around wind," said Walter, who had to run against a storm midway up the Chesapeake Bay. "But when the winds are too strong to carry all my topsails, I have to shorten sail to the lowers only. At the same time, I'm attempting to make it into the headwind."

"At one point," said Mrs. Walter, "we were actually moving backward."

Walter is currently assigned to the National Ocean Survey as Chief of Ship Construction in the Office of Fleet Operations. He and his family have lived aboard the Bonny Rover since she was put in the water.

"Bonnie does all the varnishing, the dressing of the deck, and painting..."

"But not the hull sides," interrupted Mrs. Walter, who also buys the groceries and does the cooking. "I also get 50 to 60 pounds of ice once a week."

The biggest problem in living on a boat is that people assume that a boat is public property, say the Walters. "We've even had people come aboard while we're eating." Meals are served in a glistening walnut paneled dining salon on china and crystal. Not a paper plate, cup nor plastic fork are in sight.

"People are interested in a ferrocement craft," Walter said. "We don't really mind, but it got so bad last summer at the marina we had to take in all lines, and go to anchorage for a little peace of mind."

"Ferrocement boats were at



Shon Walter (left) and his brother, Ward, climb the rigging.



The Walters proudly display the Bonny Rover's fiberglass figurehead.

One NOAA Family Enjoys the Sea

one time touted as the answer to cheap boat building. But it takes a long time, and you see quite a few failures," he said. "The craft weighs no more than a heavily built wooden ship of the same type. If the ship hits something that would put a hole in a fiber-

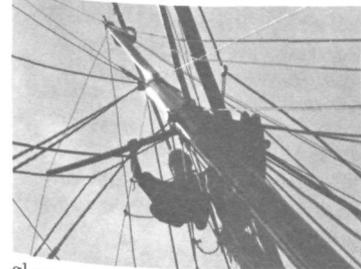
walls with two large black overstuffed chairs flanking a cast-iron fireplace (which uses coke-type coal). "We bought the last of the coal in Norfolk," said Walter, who has his family and friends searching for a new supply.

In the summer, however, the stove remains more of a conversation piece. At the other end of the carpeted salon is Walter's piano. There is a banjo propped up in one corner, next to a portable black and white TV.

The ship's name is rightly spelled Bonny, not Bonnie, as Mrs. Walter spells her first name. "It fits," said Walter. "The 'ie' would have made it too long to fit over Rover."

The Bonny Rover is indeed a ship where everything must be fitted for efficiency and utilization. There is not room for excess.

Said Walter, pointing to the plaque that the City of Norfolk gave him for his participation in the race, "Even that had to be worthy of the Bonny Rover before it could be mounted on her bulkhead."



glass or wooden ship, the ferrocement would probably crack and seep water, but not so quickly."

The Walters' sons, Shon, 18, and Ward, 16, swap back and forth with boatswain and navigation duties. Mrs. Walter never has to stand watch.

"Bonnie is the idler," said the ship's captain. He added that Shon will be going to the Great Lakes Maritime Academy this fall.

The main salon has red velour



Merritt Walter relaxes at the piano while his family listens.



Bonnie Walter enjoys Ward's "pickin' and strummin'."



Cdr. Merritt Walter, NOAA Corps, is the Bonny Rover's captain.



The crew of the Bonny Rover—the sea is their life.

Getting Ready For Training? Here's Clarification...

If you are preparing to submit a Request for Training (NOAA form 53-1) for any short-term or long-term training, there are several points to remember.

First, the purpose of training must be included on the 53-1 (Section M). The purpose should include a statement of applicability to current or projected job requirements. Employees are permitted to take one year of full-time training within every 10 years of service; if training

requested will exceed that amount, a justification for waiver must accompany the 53-1.

(Note: The Government Employees Training Act prohibits approval of university training for the explicit purpose of obtaining a degree. Justifications should not reference a degree but, rather, should address the subject matter of the course(s) as applicable to the job.)

Second, as explained in the April 29, 1977 NOAA News, the Training Act authorizes both job-related and career-related training. However, training which is not related to current official duties or to a formal career advancement in a different field for promotion, must be approved as a result of a competitive selection process. NOAA policy does not authorize career-related training without competition. Supervisors and employees are encour-

aged to discuss individual cases with their Servicing Personnel Offices and/or Training Officers.

The main telephone number for the Career Development Branch, Rockville, has been changed: To obtain information regarding available courses, administrative procedures or general information, telephone 301-443-8626 and ask for the Employee Development Assistant assigned to your Major Line Component.

Applications Pour In For Upward Mobility Training

Applications for this year's Upward Mobility Training Program are pouring in. As of July 15, 1977, NOAA Personnel had received 1150 applications. A breakdown of applications by Program:

Administrative Trainee-105
Administrative Fellowship-49

Administrative 20/20-56
Administrative Technician-39
Scientific Technician-271
Basic Scientific 20/20-58
Advanced Scientific 20/20-125
Graduate Scientist-447

NOAA's Upward Mobility Staff, with assistance from the

Personnel Operations Branch, and various MLC's, concluded interviewing for the Graduate Scientist, Basic Scientific 20/20, and the Scientific Technician (Group 1) Programs of the Headquarters, on July 19, 1977.

Field interviews are underway

for the Scientific Programs, and selections should be made by the end of August.

NOAA Administrative Program interviews are due to start at the end of August and run through September. Selections should be made by the end of October.

"Third Party Proceedings" for Labor Disputes Defined

In labor management relations within the Federal government, two of the methods are known as "third party proceedings" for resolving divergent opinions between unions and management.

- The Federal Labor Relations Council, responsible for over-all program administration, per-

forms an appellate role similar to the courts in private-sector labor relations. Of the 1,605 decisions by the Assistant Secretary of Labor for Labor-Management Relations in 1970-1976, 302 were appealed to the Council. The Council accepted 43 (3%) and remanded only 28. Of 139 appeals from arbitration the Council received

during those years, it accepted only 43 for review and modified or set aside the arbitrator's award in only 19 cases.

-When mediation fails to resolve an impasse, it goes to the Federal Service Impasses Panel, the machinery established for impasse resolutions in lieu of prohibited strikes. From thou-

sands of negotiations and renegotiations under Executive Order 11491, as amended, the Panel received a total of only 240 cases from 1970 through 1976, indicating the impasse resolution procedure induced the parties to make their own agreements, rather than have a third party impose a settlement on them.

NOAA Personnel Division Lists Current Vacancies

Announce ment No.	Position Title	Grade	MLC	Location	Issue Date	Closing Date
827-77	Electronics Technician	GS-11	NWS	Silver Spring, Md.	8-10-77	8-31-77
829-77	Supervisory Hydrologist (HIC)	GS-14	NWS	Harrisburg, Pa.	8-10-77	8-31-77
831-77	Physical Scientist	GS-11	EDS	Washington, D.C.	8-10-77	8-31-77
834-77	Industry Economist	GS-11	NMFS	Washington, D.C.	8-16-77	8-30-77
836-77	Personnel Management Specialist	GS-11/ 9/7	NWS	Kansas City, Mo.	8-16-77	8-30-77
837-77	Personnel Staffing Specialist	GS-11/ 9/7/5	NWS	Kansas City, Mo.	8-16-77	8-30-77
841-77	Electronics Technician (Senior Electronics Technician) (3 vacancies)	GS-11	NWS	Oklahoma City, Okla. San Antonio, Tex. Fort Worth, Tex.	8-16-77	8-30-77
842-77	Electronics Technician (6 vacancies)	GS-11	NWS	Albany, N.Y. Cleveland, Ohio Philadelphia, Pa. Pittsburgh, Pa. Raleigh, N.C. Washington, D.C.	8-16-77	8-30-77
833-77	Policy and Program Analyst	GS-13	HDQS	Washington, D.C.	8-16-77	9-7-77
835-77	Deputy Distribution Officer	GS-14	NOS	Riverdale, Md.	8-16-77	9-7-77
838-77	Electronics Engineer	GS-12	NWS	Silver Spring, Md.	8-16-77	9-7-77
839-77	Meteorologist	GS-11	NWS	Silver Spring, Md.	8-16-77	9-7-77
840-77	Computer Specialist	GS-13	NWS	Silver Spring, Md.	8-16-77	9-7-77

CALENDAR OF EVENTS

- October 2-6
Mount Airy, Pa. Estuarine Research Federation Fourth Bicentennial International Conference. Theme "Estuarine Processes." (Contact: Jerome Williams, Oceanography Department, U.S. Naval Academy, Annapolis, Md. 21402.)
- October 17-19
Washington, D.C. American Shore and Beach Preservation Association Annual Meeting. (Contact: Jay Combe, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Kingman Bldg., Ft. Belvoir, Va. 22060 (202) 325-7127.)
- October 17-19
Los Angeles, Calif. OCEANS 77, Bonaventure Hotel, Los Angeles, Calif. Third annual MTS/IEEE Contact: Pat Messerly, OCEANS 77 Conference Coordinator, MTS Los Angeles Regional Section Office, 615 South Flower St., Suite 504, Los Angeles, Calif. 90017 (213) 620-1703.)
- October 18-21
Omaha, Nebr. AMS Severe Local Storms Conference. Tenth Annual conference including two sessions devoted to cross-disciplinary dissemination, preparedness and public approach to forecast, response. (Contact: Co-Chairmen Herbert S. Lieb, NWS Disaster Preparedness Staff, Gramax Bldg., Silver Spring, Md. 20910 (301) 427-8090, or H. Michael Mogil, NWSH Public Services Branch, Gramax Bldg., Silver Spring, Md. 20910 (301) 427-7677.)
- Oct. 31-Nov. 1
Miami, Fla. "Energy and the Oceans" symposium, sponsored by the Institute on Man & the Oceans, Inc., at Sonesta Beach Hotel, Key Biscayne. (Contact: Thomas R. Post or Andrew L Waks, P.O. Box 0123436, Flagler Sta., Miami, Fla. 33101 (305) 379-7660, or Fred B. Tagg, Bur. of National Affairs, 1231 25th St., NW., Rm. 413, Washington, D.C. 20037 (202) 452-4420.)
- November 3-5
Seattle, Wash. Pacific Coasts Symposium and Third Annual Meeting of The Coastal Society, Washington Plaza Hotel, Seattle. (Contact: M.L. Schwartz, Dept. of Geology, Western Washington State College, Bellingham, Wash. 98225.)
- November 6-11
New Orleans, La. 4th Joint Conference on Sensing of Environmental Pollutants. (Contact: Dr. V.E. Derr, Program Chairperson, NOAA, Environmental Research Laboratories (R45x3), Boulder, Colo., 80302.)

Employees who are subject to state tax withholdings for the State of Idaho may notice a minor change in their state tax for salary checks dated on or after August 10, 1977.



EDS Director Dr. Thomas S. Austin recently presented the EDS Outstanding Employee of the Year Award to Mrs. Janet Savko, Secretary to the Director. Mrs. Savko was cited for her "exceptional and sustained effort toward accomplishment of the EDS mission."

NOTES ABOUT PEOPLE



Six Junior Fellows who recently entered on duty with EDS's National Climatic Center at Asheville, N.C., are shown above. From left to right are David Dyer, Talmadge Parris, Vicki Rogers, John Hughes, William Crutchfield and Michael Edwards.

Anna M. Machuga, an accounting technician with NOAA's Washington Field Finance Office, recently was presented with a 40-year service emblem by then-NOAA Administrator, Dr. Robert M. White. Thirty years of Ms. Machuga's service were with the Commerce

Nuclear Research (CERN), Geneva, Switzerland, 1967-68; Science and Engineering Librarian, SUNY, Buffalo, 1968-75; and Visiting Associate Professor, Department of Library Science, National Taiwan University, 1975-76.

Mr. Paul A. Pettit, who has headed the Weather Service Office at Port Arthur, Tex., the past four years, has been selected as Meteorologist in Charge of the Weather Service Office at Montgomery's Dannelly Field, Ala.



Anna M. Machuga

Department, including Maritime Service, National Bureau of Standards, Coast & Geodetic Survey, ESSA, and NOAA.

Robert N. Ting, a former engineering research assistant at the State University of New York at Buffalo, joined EDS's Environmental Science Information Center on August 8 as coordinator of the Library and Information Service's Division, Miami/Coral Gables facility.



Paul A. Pettit

Mr. Pettit has more than 20 years of meteorological experience and received his initial training while in the U.S. Air Force. He entered the Weather Service at Burrwood, La., in 1961.



Robert N. Ting

Ting was Physics Librarian at UCLA, 1961-67; Visiting Scientist, European Organization for

Cdr. Samuel W. Sigmund, USN, joined NOAA's Office of Ocean Engineering on August 3 for an indefinite assignment working in the advanced technology and instrumentation engineering division. A 1959 U.S. Naval Academy graduate, he holds a B.S. in engineering, as well as an M.S. in Oceanography received from the U.S. Naval Postgraduate School in 1972. From 1974 to 1977, he was on the faculty of the U.S. Naval War College, Newport, R.I.



TAKE-ME-ALONG SEAFOOD SANDWICH

- | | |
|--|--|
| 4 cans (6½ or 7 ounces each) tuna
or
2 can (16 ounces each) salmon | 1 long loaf (1 pound) French bread |
| 2 cups chopped celery | 3 dill pickles, sliced lengthwise |
| 1 cup chopped walnuts | 1 Bermuda onion, sliced and separated into rings |
| ¾ cups mayonnaise or salad dressing | Sliced tomatoes (optional) |
| | Lettuce leaves |

Drain and flake tuna or salmon. Combine celery, walnuts, mayonnaise or salad dressing, and tuna or salmon. Chill. Cut bread in half lengthwise, and remove a small amount of the center. Spread each half with mixture. Cut each half into 12 slices crosswise. Serve with pickle slices, onion rings, sliced tomatoes, and lettuce. Makes 12 servings.

NOS' F.W. Hubbard Receives 1976 Elmer Neumann Award

Mr. Freel W. Hubbard of NOAA's Northwest Administrative Service Office recently was awarded the Elmer Neumann Award for 1976. He is the Area Personnel Officer for NOS, Pacific Marine Center in Seattle, Washington. The award, estab-

lished by the American Federation of Government Employees (AFGE), honors the employee who has made the most significant contribution to employee-management relations in NOAA.



Freel W. Hubbard

Hubbard, a recognized labor-relations expert, specializing in the Agency's maritime activities, is noted for his ability to settle labor-management disputes at the initial stage and at the lowest possible organizational level.

Hubbard has spent most of his 31-year Federal service career at the Pacific Marine Center, where he has developed a reputation for candid, fair, and honest dealings with both labor and management organizations.

Technical Training Center Earns NOAA Unit Citation

Members of NWS's Technical Training Center, Kansas City, Mo., recently received a NOAA Unit Citation, presented by NWS Central Region Deputy Director Robert Baskin on behalf of Weather Service Director Dr. George P. Cressman.

Dr. Cressman congratulated the group for its "long record of outstanding performance" and the Center's "outstanding teamwork, dedication, and overall professionalism..."

The Center is located in a recently remodeled federal warehouse in the northeast industrial section of Kansas City. It offers more than 50 courses in electronics, meteorological technology, management, public service, writing and broadcasting, and upward mobility.

Most of the Center's students are from the National Weather Service, but some come from NOAA and other government agencies and foreign countries. Approximately 1000 graduate from the Center each year.

Receiving citations were:

Joseph Audsley, Louis Augspurg, Denice Barlow, William Barth, Sylvia Braden, Lawrence Burns, Dan Chadwick, Fred Cherry, Michael Coffin, Frank Dillenkoffer, Randall Elms, James Finklea III, David Gallivan, Robert Grebe, Rudolph Haston, Connie Hedgpeth, Sue Hollis, Lorene Horn, David Hughes, James Kaplafka, Robert McEwen,

Richard Myers, Theo Nazario Pinero, James Nelson, Federico Parra-Torres, Harvey Poin, Michael Terrell, Leslie Tyr, James Wantz, Maurice Ward, Charles Webster, Joel Wertman, and William Winkert.

DUCKPIN BOWLING

The NOAA Mixed Duckpin League will resume bowling on Sept. 8th at 6:00 p.m., at the Wheaton Triangle Lanes, 11-240 Grandview Ave., Wheaton, Md.

There are several openings for new bowlers. All those interested in entering a new team or bowling individually, please contact Ron Rich (443-8403).

OBITUARY

Irving F. Hand

Irving F. Hand, 89, retired Weather Bureau meteorologist, died July 12, in Florida, where he had lived since 1954. His Weather Bureau career covered 41 years; his last duty was with the Blue Hill Observatory in Mass. Specializing in solar studies, he wrote numerous technical articles on the subject and was a charter member of the American Meteorological Society. He is survived by four cousins, Dorothy Welsh, Mitchell, Ind., Esther Hand, Chicago, Ill., Marian Schweiker, Elmira, N.Y., and Roili Schweiker, Concord, N.H.

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 canned tuna and fresh pollock fillets along the Northeast Seaboard; fresh whole croaker and fresh scallops in the Middle Atlantic States, including the D.C. area; fresh and frozen whiting and frozen rock shrimp in the Southeast and along the Gulf Coast; frozen ocean perch fillets and frozen whole Dungeness crab in the Midwest; fresh sole fillets and Greenland turbot fillets in the Northwest; and dressed freshwater catfish and frozen turbot fillets in the Southwest.



The NOAA EEO Committee presented two awards to outgoing NOAA Administrator, Dr. Robert M. White, on July 13. One award was a certificate of appreciation, and the second was a statue of two porcelain killer whales to symbolize NOAA's EEO programs efforts. Shown here at the presentation are (left to right) Landry Williams, 1976 NOAA EEO Chairperson; Elaine Chan, 1977 Vice Chairperson; Dr. White; Donny Jiron, 1977 NOAA EEO Chairperson; Michael Hodges, 1977 NOAA EEO Secretary

National Oceanic and Atmospheric Administration

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