U.S. DEPARTMENT OF COMMERCE / National Oceanic and Atmospheric Administration

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Woffinden Heads NWS In Pacific

Charles M. Woffinden

Charles M. Woffinden has been appointed Director of the National Weather Service Pacific Region, headquartered in Honolulu, Hawaii. His predecessor in this position was Paul H. Kutschenreuter, now retired. Mr. Woffinden's appointment is effective March 17.

Since October 1972, Mr. Woffinden has been sta-

(Continued on page 6)

Porpoise-Saving Methods Tested

Several recently developed measures aimed at saving porpoises from drowning in tuna fishing nets are currently being tested in the eastern tropical Pacific by tuna fishermen aboard a purse seiner, the *Patricia Lee*. Two observers from the National Marine Fisheries Service are aboard and will report on all phases of the fishing operation. The experiment marks the first time that all recommendations made by NMFS to reduce porpoise mortalities are scheduled to be implemented under commercial conditions on a tuna vessel.

The vessel is equipped with a newly designed net that sinks faster and deeper than the older nets, and helps eliminate pockets near the surface in which porpoises are sometimes trapped. The net contains a porpoise safety panel wider near the surface, increasing the chances that the mammals can escape when the captain maneuvers his vessel in a technique known as "backing down," which causes the net to sink beneath the surface, and permits the porpoises to swim over and away from the net.

Also being tested are a current indicator device—a bright red ribbon with a sinker and float attached—which enables the captain to detect the direction and speed of the sub-surface current, and an

(Continued on page 6)

Oceanographer Begins Atlantic Research Trip

The *Oceanographer*, flagship of the NOAA Fleet, is now on an eight-month oceanographic research expedition in the Atlantic. During the spring and summer she will engage in various projects off the northwest coast of Africa.

The 303-foot, 3805-ton floating laboratory left her home port of Seattle, Wash., on February 5, enroute to Miami, Fla., via the Panama Canal. The ship departed Miami February 25 for Las Palmas, Canary Islands, from which she will operate during research on the coastal upwelling phenomena.

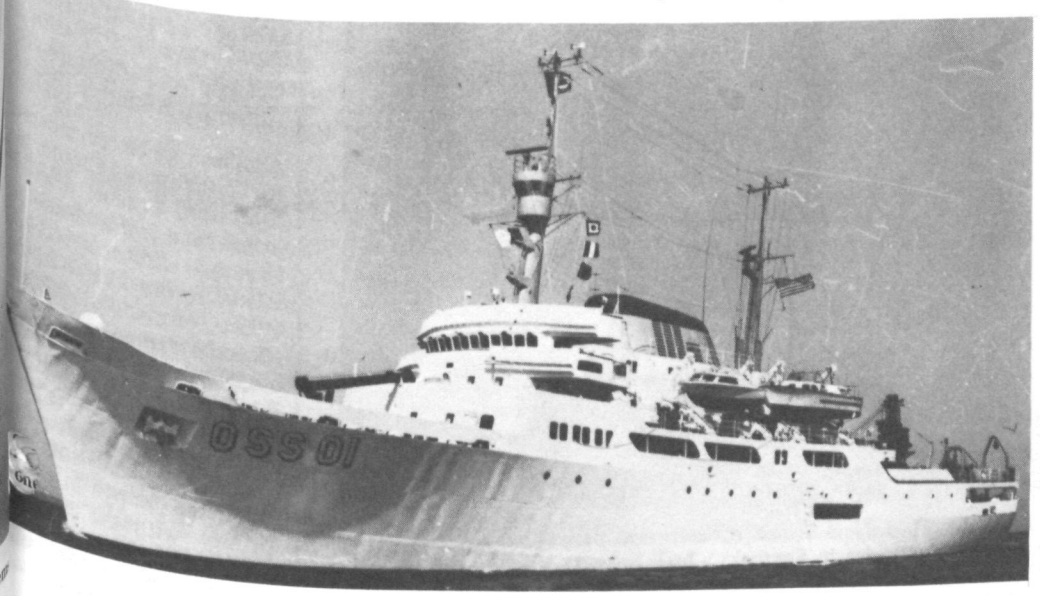
The *Oceanographer*, will return to Miami May 17 to be outfitted for the Global Atmospheric Research Program Atlantic Tropical Experiment.

She will leave Miami for the GATE project June 3 and rendezvous off Africa with the NOAA Ship *Researcher* on June 16. The two vessels will then join the international expedition on the GATE project, scheduled to begin June 17 and continue until September off the coasts of Senegal, Gambia, Portuguese Guinea, Guinea and Sierra Leone. Both ships will operate out of Dakar, Senegal, during GATE.

The *Oceanographer* is commanded by Captain William Barbee and carries a complement of 75 officers and crew, plus scientists. The 278-foot, 2800-ton *Researcher* is commanded by Captain Lavon L. Posey and has a complement of 76 officers, scientists and crew.

Upon completion of GATE in late September, the *Researcher* will return to her Miami base and the *Oceanographer* to Seattle.

(See photos on page 8.)



The *Oceanographer*

Cyclone Publications Completed

The Environmental Data Service's National Climatic Center in Asheville, N.C., recently delivered to the Navy 500 copies each of "South Indian Ocean Tropical Cyclone Vector Mean Charts" and "Southwest Pacific Ocean Tropical Cyclone Vector Mean Charts" and 100 copies each of "North Indian Ocean Tropical Cyclone Strike Probabilities" and "South Indian Ocean Tropical Cyclone Strike Probabilities."

The computation of the probabilities was accomplished by the NOAA Office of Management and Computer Systems, Systems and Applications Division at Suitland, Md.

The "Tropical Cyclone Strike Probabilities" contain the 24-hour, 48-hour, and 72-hour storm movements.

A limited supply of each of these four publications has been provided NCC by the Navy for distribution to selected NOAA offices and other requestors. This publication effort was funded by the Naval Weather Service Command.

Dr. Davies' Book Is Translated Into Russian

A text on propagation of radio waves in the ionosphere—the electrically charged portion of the ionosphere—written by an Environmental Research Laboratories physicist is now available in Russian.

The book, IONOSPHERIC RADIO WAVES, was authored by Dr. Kenneth Davies of the Space Environment Laboratory in Boulder, Colo. The text is the result of lecture courses given jointly at the University of Colorado and the Boulder Laboratories, attended by both ionospheric research workers and radio communication engineers.

The Soviet editors believe the book will attract the attention of beginning ionospheric observers, and specialists in geophysics, radiophysics, and radioastronomy.

Dr. Davis says it is useful for students enrolled in introductory courses in aeronomy and ionospheric radio engineering, and for scientists and engineers in government and industrial laboratories who have been absent from academic life for some time.

Currently a supervisory physicist with ERL and a professor-adjoint in the astrogeophysics and electrical engineering departments at the University of Colorado, Dr. Davies was formerly with the National Bureau of Standards' Central Radio Propagation Laboratory.

The author or co- of three books, and than 50 papers in th of ionospheric researc earned B.S. and degrees in physics fr University of Wales.

Colonel Collens Command Air Weather Service

Colonel John W. Collens accepts the command of the Air W Service during a brief change of command ceremony on Febru at Scott Air Force Base, Ill. Left to right are Lieutenant Gener T. Robbins, Vice Commander of the Military Airlift Com Colonel (Brigadier General Selectee) Collens, and Brigadier G Thomas A. Aldrich, who relinquished command of AWS to t the post as Deputy Chief of Staff for Plans, Military Airlift mand.

Colonel Collens was formerly Commander of the 9th Weathe at McClellan Air Force Base, Calif., and earlier served as Vice mander of Air Weather Service.

Kentucky Governor Honors Agricultural Forecasters at Louisville WSFO

Kentucky Governor Wendell H. Ford (right) recently presented a "Service to Agriculture Citation" for "Outstanding leadership and unselfish and diligent service to Kentucky's basic industry, AGRICULTURE," to the Agricultural Forecasters for Kentucky at the Louisville Weather Service Forecast Office. John R. Burke (center), Meteorologist in Charge at Louisville, accepted the citation. On the left is Wendell P. Butler, Kentucky's Commissioner of Agriculture.

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Raymond J. Edwards Is Named To Head Bridgeport WSO

Raymond J. Edwards

Raymond J. Edwards is the new Official in Charge at the National Weather Service office in Bridgeport, Conn. He succeded Elmer Travers, who recently retired after more than 33 years of Federal service.

Mr. Edwards entered the NWS at New York City in 1959 as a Meteorological Technician, and two years later was transferred to Bridgeport, where he remained as a WSS, except for short-period assignments at Huntington, W. Va., New York City, and Hartford, Conn. Earlier, he served four years as an Aerographer's Mate in the USCG and as a Met Tech for Eastern and Trans World Air Lines. He is a graduate of the Spartan School of Aeronautics, received an Associate of Science degree from Housatonic Community College, and is currently enrolled at Western Connecticut State College.

Hazel Tatro Dies

Hazel Tatro, Meteorologist in Charge of the Bristol National Weather Service Office at Tri-City Airport, Blountville, Tenn., since May 1972, died on February 23. She began her NWS career at Casper, Wyo., in 1945, and subsequently served at Rock Springs, Wyo.; North Platte, Nebr.; Wilmington, N.C.; and Winston Salem, N.C., before becoming, in 1965, MIC at Greensboro, N.C., where she served until going to Bristol.

U.S., Brazil Agree on Shrimp Conservation

NOAA is now administering a law implementing an agreement with Brazil dealing with the conservation of certain shrimp resources located off Brazil. The Act, recently signed into law by President Nixon, has an amendment designating the American Lobster (*Homarus americanus*) as a creature of the Continental Shelf, thus affording the lobster additional protection from foreign fishing.

The legislation, known as the Offshore Shrimp Fisheries Act of 1973, formalizes an agreement with Brazil under which the Brazilian Government has, with the United States, undertaken to enforce conservation regulations, thus protecting a marine resource of great value to U.S. shrimp fishermen who operate in what the U.S. terms international waters along the Brazilian coast north of the Amazon River.

From 1959 when it began, through 1972, the fishery, which extends from the Guianas to the mouth of the Amazon, yielded about 350 million pounds of shrimp (heads off). In the first nine months of 1973 the Guianas fisheries area yielded about 9.8 million pounds of shrimp (heads off) worth close to $16 million on the U.S. market.

The National Marine Fisheries Service will administer the law as it applies to U.S. fishermen. However, under the treaty, the government of Brazil will enforce the law on behalf of the U.S. in the area covered by the agreement, in conjunction with the Departments of Commerce and Treasury, and the U.S. Coast Guard.

The lobster amendment to the Offshore Shrimp Fisheries Act was added by the Senate Commerce Committee headed by Senator Warren G. Magnuson. The amendment will have the effect of reserving American lobsters found on the Continental Shelf for U.S. fishermen.

The new U.S. law now in effect prohibits the taking of American lobsters by vessels of other countries, and all lobsters caught by these vessels must be returned to the sea immediately regardless of condition.

The American lobster is one of several species that have been identified for cooperative management under the NMFS State-Federal Fisheries Management Program. A regional council comprising fisheries agency directors of the 11 coastal States from Maine to North Carolina and the NMFS Northeast Regional Director is currently developing a resource-wide management plan for this valuable species. Designating the American lobster a "creature of the Shelf" is considered a major step in furthering the progress of the management plan.

At a meeting in Baltimore, Md., about a year ago the council stated: "The American lobster would be managed to insure its preservation as a viable resource once ownership of this resource rests in the United States."

The amendment to the Offshore Shrimp Fisheries Act of 1973 now provides for such exclusive sovereign rights and, therefore, appears to remove a major roadblock to implementation of the management principles agreed to at the Baltimore meeting.

William C. Brewer, Jr., Takes Oath As NOAA's General Counsel

William C. Brewer, Jr., was sworn in as NOAA's General Counsel by Dr. Robert M. White, NOAA Administrator, on March 5., as Deputy Administrator, Howard W. Pollock, held the Bible.

C&GS, NOS Predecessor, Started 167 Years Ago

February 10 was the 167th anniversary of the Coast and Geodetic Survey, predecessor of NOAA's National Ocean Survey. YE OLD SALT, weekly publication of the Atlantic Marine Center, Norfolk, Va., noted the anniversary of "the nation's first technical agency and its oldest scientific body," and added: "In October 1970 the name was changed, but the spirit survived. This new agency could not have grown to the stature it has in a little over three years without firm tap roots already deep in the salt water and soil of the country it serves."

Designation of Beneficiaries

Federal employees are given the opportunity to file designation of beneficiary forms to insure proper payment of benefits due in case of the death of an employee in the Federal Service. Forms may be filed to designate beneficiaries for unpaid compensation, Federal Employees Group Life Insurance, and lump-sum retirement benefits.

As a Federal employee, you need to file designation of beneficiary forms only if you wish to name a person or persons not included in the usual order of precedence or to change the order of precedence. Employees who are satisfied with the order of precedence which follows need not file designation of beneficiary forms. If no designation of beneficiary forms are filed benefits are paid in the following order:

1. To your widow or widower.
2. If neither of the above, to your child or children in equal shares, with the share of any deceased child distributed among the descendants of that child.
3. If none of the above, to your parents in equal shares or the entire amount to the surviving parent.
4. If none of the above, to the executor or administrator of your estate.
5. If none of the above, to your next of kin under the laws of your state of domicile.

If the aforementioned order of precedence is not suitable in your particular case, designations of beneficiaries may be made by completing Standard Forms 2808, 54, and 1152. These forms should then be sent to your servicing personnel office where they will be filed in your official personnel folder.

SF-2808, "Designation of Beneficiary, Civil Service Retirement System," is for lump-sum benefit purposes only and does not affect the right of any person who qualifies to receive survivor annuity benefits. Survivor benefits are never based on a designation of beneficiary.

SF-54, "Designation of Beneficiary, Federal Employees Group Life Insurance," is used solely for the disposition of proceeds of insurance under the Federal Employees Group Life Insurance Program (FEGLI).

SF-1152, "Designation of Beneficiary, Unpaid Compensation of Deceased Civilian Employee," is used solely for the disposition of unpaid compensation at the death of a civilian employee. Examples of unpaid compensation would be lump-sum leave, salary due, etc.

The filing of a designation is advisable when evidence of a valid marriage is not readily available. This includes in in which the employee does not have and cannot secure a certificate of a ceremonial marriage or evide death or divorce dissolving a prior marriage.

It is very important to keep designations current they have been filed. Changes in family status (m divorce, death, births, etc.) may require corresp changes in the designation.

Designations of beneficiaries for unpaid compensati FEGLI will remain in effect and full force until: (pressly changed or revoked by the employee in writi transfer to another agency (except by mass change), reemployment by the same or another department or of the government.

Cancellation of a prior designation of beneficiary effected without the naming of a new beneficiary ecuting new designation of beneficiary forms and inse the space provided for the name of beneficiary the "Cancel prior designations." The effect of this actio require payment to be made in the order of prec listed at the beginning of this article.

A change of beneficiary may be made at any tim without the knowledge or consent of the previous ficiary. This right cannot be waived or restricted.

In the case of designations of beneficiaries under the following applies:

1. Designations containing miscellaneous provisions "payment of just debts," "to John if he is living at etc., are not acceptable, nor can an agency of the Fed District of Columbia Government be named as a bene
2. A common-disaster clause inserted in a designati not be recognized as binding. Title to insurance automatically vests in the beneficiary who survives ployee by even an instant (if established), so that beneficiary should die before receiving payment the would be payable to the beneficiary's estate. Employee desire that the money be paid only to a beneficiar survives them by some specified period, may obta result by naming their estate as beneficiary on SF- then stipulating in their will the particular condit restrictions they wish their executor to follow in h the insurance payment.

Questions concerning designations of beneficiaries be directed to your servicing personnel office.

Vice President Ford Praises Federal Civil Service

Following are some excerpts from a speech given by Vice President Gerald R. Ford at ceremonies commemorating the 91st anniversary of the Federal Civil Service on January 16, 1974.

Vice President Ford described the civil service as: "... a work environment for which top notch people are selected on the basis of ability. A place where the product of one's hands is more important than the color of one's hands. A place where the work itself takes precedence over the sex of the person doing it. A place where service to the people transcends party labels. A place where the work 'service' means exactly what it says."

"To me civil service means tremendous knowledge and a great depth of understanding on the part of career people who have devoted their lives to government."

Vice President Ford stated that he was "particular of civil service achievements during the past five yea areas of equal opportunity within the Federal Ser training and development of employees at all level entry to executive level; the administration of th relations program; the strengthening of State and lo ernment through the intergovernmental personnel P the improvements in management in all Federal through evaluation of their manpower manageme grams; and the program for the employment of Viet veterans."

"In short, the civil service has become more reliable, efficient, more competent, and more responsive than before."

Energy Crisis and Hours of Duty-A Study in Conflict Resolution

How can we effectively introduce the maximum amount of flexibility into the working hours to assist with the energy crisis without: (a) disrupting the ongoing work of the office, (b) jamming already crowded streets, (c) violating pay laws, and (d) creating more confusion and energy waste?

Tours of duty are set in accordance with law, regulation, and negotiated agreements with unions. Within these parameters, Directors of Major Line Components and the Chief, Personnel Division have some flexibility. Hours of duty in the Washington Metropolitan area are established by the Department of Commerce in accordance with General Services Administration and Office of Management and Budget instructions. Proposed changes in the presently established tours must be submitted to the Personnel Division for clearance within NOAA and presentation to the Department of Commerce. With respect to field locations, generally speaking, MLC Directors have the authority to establish the official hours of duty. In some cases, this has been delegated to a regional or center director. (If there is a question in this area, it should be checked with your MLC Director.) At some stations, changes in tours may be made where coordination with other Federal agencies and union recognition does not preclude unilateral action. This can be done by documenting the reasons for the change and notifying the servicing personnel office.

Recently, the matter most frequently raised is one of "flex-a-time" which carries a variety of interpretations. One interpretation is that an employee can come to work anytime as long as he or she puts in a full eight-hour day. Another is that tours of duty may be changed to fit an office or individual. Presently, some Federal agencies are experimenting with "flex-a-time" concepts. NOAA is not one of the agencies. When it comes to adjusting work hours, NOAA is faced with a number of constraints particularly in those operations which call for 24-hour operation. Further, there has been a general feeling that employees and supervisors need to have essentially the same hours of duty (other than unusual exceptions) to prevent disruptions in their work.

All of this may sound like we are not interested in the energy crisis. Not so!! NOAA is very much interested and is trying to aid the efforts in this area by engaging in many activities dealing with the crisis. Specifically, with respect to hours of work, we are continuing to work on the development of a computerized carpool system for use in the Washington Metropolitan area which might be adapted for use elsewhere. (Boulder, Colorado, has a carpool program in operation now.) As we are requested, we will, within reason, try to facilitate carpooling.

In summary: (1) Changes that will result in a violation of law and regulation should not be made since such changes would cause a considerable amount of disruption and confusion. (2) We will try to be as flexible as possible. Questions concerning "flex-a-time" or tours of duty should be addressed to your servicing personnel office here in Washington or in the field as appropriate.

Channing Phillips Speaks at Administrative Trainee Graduation

Wednesday, February 6, 1974, was graduation day for Group VII Administrative Trainees. Guest speaker at the ceremony was Channing Phillips, a human relations leader in the Washington, D.C. Metropolitan area. Mr. Phillips praised NOAA for its foresight in developing the Administrative Trainee Program and spoke of the need such programs fill by inputing qualified minorities at entry and mid-level grades thus assuring the availability of qualified minorities to fill top level administrative posts in the future.

Dr. Robert M. White, NOAA Administrator, awarded certificates to the following: George Chalupnik, Office of Programs and Budget; Norma Hughes, I. Janet Maltbie, and Carter Smith, Personnel Division; Carole Taylor, Administrative Operations Division; Ted Tooley, NWS, Central Region Headquarters, Kansas City, Missouri; and Louise Turner, NOS, Atlantic Marine Center, Norfolk, Virginia. Candace Turner, an Administrative Trainee who received all her training at NASO in Seattle, Washington, will be placed in a target position there.

Channing Phillips

(Front row, from left) Carole Taylor, Candace Turner, Janet Maltbie, Louise Turner. (Second row, from left) Norma Hughes, Carter Smith, George Chalupnik, and Ted Tooley.

recipe of the week

EVELYN'S SAVE-THE-CATCH PICKLED FISH

2-1/2 to 3 pounds pike or other fish fillets, fresh or frozen
1-1/2 cups sliced onion
1-1/2 cups sliced carrot (optional)
2 tablespoons dry mixed pickling spices
1-1/2 cups water
3/4 cup vinegar
2 tablespoons salt
1 tablespoon sugar

Thaw frozen fish. Cut in 1-inch pieces. Place in 2-quart covered casserole 1/3 of the fish, onion, carrot, and pickling spices; repeat 2 times. Combine water, vinegar, salt, and sugar; bring to a boil. Pour over ingredients in casserole; cover. Heat in slow oven, 325° F., about 1 hour or until mixture reaches the simmering stage. Remove from oven. Cool. Store in refrigerator at least 24 hours. Serve as an entree with potato salad or hash browns and green vegetable; or as an appetizer with crackers, toast squares, or party rye bread. Makes 6 entree servings, 10 to 12 appetizer servings.

Next Week's Best Fish Buys

According to the NMFS National Consumer Educational Services Office in Chicago, the best buys for the next week or so are likely to be fresh bluefish and pollock fillets along the Northeast Seaboard; frozen breaded shrimp and Spanish mackerel fillets in the Southeast and along the Gulf coast; frozen breaded shrimp and canned tuna in the Midwest; halibut chunks and turbot in the Northwest; and turbot fillets and fresh sablefish in the Southwest.

Publication Lists Marine Broadcasts

The directory of Marine weather broadcasts, "Worldwide Marine Weather Broadcasts," has been printed and is in process of delivery. This booklet is a joint venture with the Naval Weather Service and replaces Publication H.O. 118 which has been discontinued by the Defense Mapping Agency.

According to Warren D. Hight, of Marine Weather Services in the National Weather Service Weather Analysis and Prediction Division, who supervised the compilation of the new edition, a copy of the publication is being furnished to each of the approximately 2,000 cooperative weather ships, and additional quantities will be provided to the U.S. Navy, the U.S. Coast Guard, and other users.

Porpoise-Saving Methods Tested

(Continued from page 1)

antitorque line to close "purse" the net at bott which has been shown help prevent net "roll-up another cause of some p poise mortalities.

The use of speedboats pull the net away from center to prevent formati of pockets has also b recommended by NMFS means of keeping the b nets open at the surface.

The recommendati being tested, along wit "porpoise safety panel," the backing-down ma ver—plus other inn tions—recently produced lowest rate of porpoise m talities on record in conducted by NMFS.

Under Center Director Brian Rothschild, NM Southwest Fisheries Cen at La Jolla, Calif., is focal point for the work reduce porpoise mortali incidental to the yellow tuna catch.

Woffinden Heads NWS Pacific Region

(Continued from page 1)

tioned at Scott Air Force Base, III., as Liaison Officer between the Air Weather Service and the NWS, and has also been providing liaison between the Environmental Research Laboratories in Boulder, Colo., and the NWS.

Born in Pleasant Green, Utah, Mr. Woffinden received his bachelor's degree in physics from the University of Utah in 1936, and began his Federal career in 1937 as a Junior Observer in Meteorology in Salt Lake City. During his early years he continued his meteorological education at New York University and later at the University of California at Los Angeles, where in 1941 he earned a master's degree in meteorology

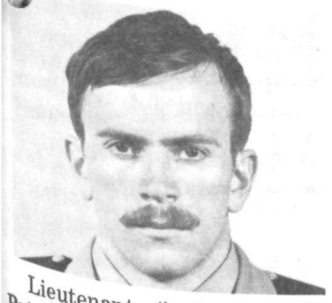
During World War II, he served as a Lieutenant with Fleet Weather Central at Pearl Harbor, Hawaii, and then as a Lieutenant C mander and Aerologica ficer in Charge at the N Air Station in Hutchin Kans.

Re-entering civilian li 1946, Mr. Woffinden Chief Airport Meteorol at the Weather Bureau port Station at Hono until 1954.

Next assigned to the tended Forecast Division the National Meteorolog Center at Suitland, Md. was Deputy Chief of Division and Chief of Forecast Branch of Division. He also atte UCLA for two addit academic years and awarded the degree of Ca date in Meteorology in 1

He left Suitland in 1 to become Chief of Op tions and Deputy Regi Director of the NWS Ce Region at Kansas City, M the post he held until assignment to Scott Force Base.

Wehling Is Party Chief



Lieutenant (junior grade) Patrick L. W. Wehling, Jr. is the new chief of the National Ocean Survey's Astronomical Party G-47. The three-member party, headquartered in Renton, Wash., is surveying the latitude and longitude of sites in Oregon and Washington. Lieutenant (j.g.) Wehling has been a commissioned officer since 1971. His previous assignments included service on the NOAA Ship *Discoverer* and with geodetic field parties G-19 and G-48.

Severe Local Storms Location Directory Revised

A recent revision of the Severe Local Storms Location Directory by personnel of the National Weather Service Severe Storms Forecast Center in Kansas City, Mo., is expected to aid materially in solving a problem that has always plagued weather men—that of being able to quickly and accurately locate the places where severe weather or other types of weather phenomena have been reported.

The new directory lists more than 70,000 towns, cities, hamlets and major airports to the nearest minute of latitude and longitude. (The previous directory had listings to the nearest tenth of a degree for towns and cities.)

Official state and county codes have been added and all coding is compatible with Department of Commerce and Census Bureau codes.

A special computer program will add a notation showing the location of the town in reference to a well known airport. For example: 25 ENE St. Louis. These listings will significantly improve the warning process for both the local office and the NSSFC.

One copy of the state listing will be sent to each Weather Service Forecast Office for its area of responsibility. Each Regional Warning Coordination Center will receive a listing for all of the states in its region, and listings for the entire U.S. will be sent to the Emergency Warning Branch at NWS Headquarters. Other copies will be available upon request.

According to NSSFC Director Allen D. Pearson, who led the operational planning for the revision, approximately two man years of effort went into the project since October 1973. It was accomplished during the less active weather periods, under Project Leader Harry Swenson of the Severe Local Storms Forecast Unit, by staff members Gene Tolle, Gary Mounsey, Dave Higginbotham, Dick Kirby, and James Hayes of the Radar Development and Analysis Unit; Iris Matter, Don Wales, Roy Manka, and Ray Kirkendoll of the Communications Unit; and Sid Cornell of the Electronic Data Processing Unit.

Karl R. Johannessen, NWS Associate Director for Meteorological Operations, has stated that, "the Community Preparedness Specialists should also find this revision very useful in expanding DCPA/NOAA community preparedness program."

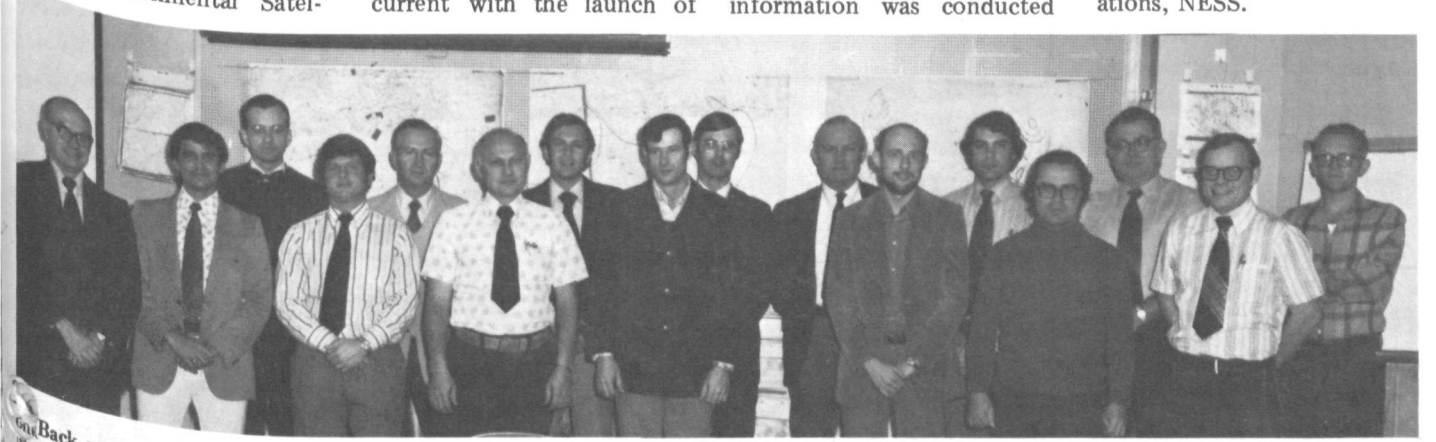
NESS Trains New Satellite Meteorologists for Launch of GOES

Recently employed Junior and Senior Satellite Meteorologists from the National Environmental Satellite Service's Satellite Field Services Stations (SFSS's) at Miami, Fla.; Washington, D.C.; and San Francisco, Calif., attended a three-week course February 11 through March 1 at Suitland, Md., in preparation for the forthcoming launch of the Geostationary Operational Environmental Satellite (GOES) and the institution of the GOES data distribution system. Additional meteorologists from the Kansas City SFSS and San Francisco SFSS will attend a similar course beginning March 25.

The recent addition of 36 meteorologists at NESS's first four SFSS's will make possible around-the-clock operations at each SFSS concurrent with the launch of GOES.

During their three weeks at NESS, the new employees received briefings from NESS management and staff members from the Office of Operations and the Meteorological Satellite Laboratory. A concentrated course, including lectures and laboratory exercises, concerning the utilization, interpretation and application of satellite information was conducted by Vincent J. Oliver, Chief of the Applications Group, and the Application's Group Staff.

The establishment of NESS's SFSS's and the GOES Central Data Distribution System at the World Weather Building in Marlow Heights, Md., are under the direction of the Field Services Division, Office of Operations, NESS.



(Back row, from left) Arthur C. Pike, Samuel C. Pearce, and Britt M. Mayfield, Miami SFSS; Richard A. Wagoner and Station Manager Jack Bottoms, San Francisco SFSS; Eugene D. Legg, Analysis Branch, NESS; Ernest V. Cooke and Barry L. Kercher, Washington SFSS; (front row, from left) Mr. Oliver; Fernando E. Torres and Edward C. Johnston, Miami SFSS; Billie G. Aldridge, San Francisco SFSS; John A. Ernst, John D. Thomas, Brian C. Smith and John H. Arns, Washington SFSS. Attending the course but not in the photo were Donald R. Cochran, Miami SFSS, and Anthony L. Gerst, Washington SFSS.

Dr. Gordon G. Bowman from the University of Queensland in Brisbane, Australia, and Dr. Jaroslav Halenka from the Geophysical Institute of the Czechoslovak Academy of Sciences are long-term scientist guest workers at the Environmental Data Service's National Geophysical and Solar-Terrestrial Data Center in Boulder, Colo.

Dr. Bowman, on a year's visit to NGSDC, comes as a guest worker under an arrangement with the NOAA/Environmental Research Laboratories—University of Colorado Cooperative Institute for Research in Environmental Sciences.

Dr. Halenka will stay nine months in Boulder working with NGSDC, the Space Environment Laboratory, and the High Altitude Observatory, and then spend several weeks at the Sacramento Peak Observatory, at Sunspot, N.Mex., and the Hale Observatories near Pasadena, Calif., before returning to Czechoslovakia. He is visiting under a program of scientific exchange between the Czechoslovak Academy of Sciences and the United States National Academy of Sciences.

Harry L. Rietze, Director of the National Marine Fisheries Service Alaska Region, (left) recently presented awards for special achievement to Sharon Puustinen, Secretary of the Region's Extension Marketing Division, and to John Furuness, Regional Administrative Officer, in Juneau, Alaska.

Joan Maier, Chief of Library Services for the Department of Commerce's Boulder Laboratories in Colorado, has been named the local chairman of the National Special Libraries Association Conference to be held in Denver in June 1976. The Conference annually hosts 3,000 to 5,000 librarians and information specialists. Ms. Maier has been with the Environmental Research Laboratories' Research Support Services since 1969.

Rear Admiral Alfred C. Holmes has been named to the Executive Board of the Federal Executive Association of the Greater Tidewater area of Virginia. He is Director of NOAA's Atlantic Marine Center in Norfolk.

James H. Czerwonky recently joined the National Marine Fisheries Service Plans and Policy Development Staff as an analyst. A member of the Virginia State Bar, he has been admitted to practice before the Virginia Supreme Court, the U.S. Court of Customs and Pa Appeals, the U.S. Court Claims, the U.S. Court Appeals for the Fo Circuit and for the Dis of Columbia Circuit, and U.S. Patent Office.

Following graduation f the U.S. Naval Academy 1963 and subsequent ac duty in the Navy, Czerwonky worked for years as a Patent Exam at the U.S. Patent Of Experience in the field patents related to an husbandry and fishing provided him knowledge fishery and aquaculture t nology, and he is fam with oceanography as a sult of his affiliation the Naval Air Reserve.

Mr. Czerwonky earned M.S. degree from Stan University in 1971, and J.D. degree from the tional Law Center of George Washington Uni sity.

NOAA WEEK Distrib

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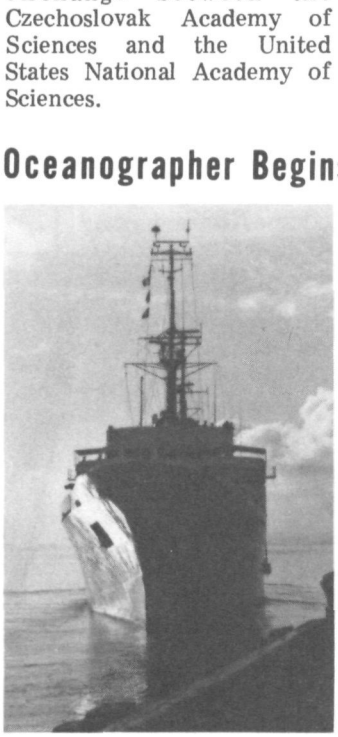
Oceanographer Begins Eight-Month Atlantic Research Voyage



Families and friends assembled at Seattle's Pier 90 for departure ceremonies of the *Oceanographer* on her 30,000-mile voyage, from which she is scheduled to return on October 17.

National Oceanic and Atmospheric Administration

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