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HOLIDAY, NEW YEAR WISHES TO EVERYONE IN NOAA

As 1971 draws to a close and we pause briefly to reflect on the year now ending, NOAA employees can look back with pride to a job well done during a particularly trying period of reorganization and retrenchment. This sense of public service and personal accomplishment should make the Holidays happier for each of us. May I join the employees of the Environmental Data Service in wishing each of you a Joyous Holiday Season and a Happy New Year.

Thomas S. Austin, Director
Environmental Data Service

As always, many employees of the National Weather Service are at their posts of duty during the holidays looking after the safety and convenience of others. I know that the services of all of you are deeply appreciated. It is a pleasure for me to extend to all of you my best wishes for the Holiday Season and for the New Year.

George P. Cressman, Director
National Weather Service

The NOAA Corps Office and I sincerely wish the best for all the people of NOAA, especially the officers of the Corps, active and retired, and their families. This is an especially appropriate time of year to renew and refresh family ties, and this surely includes the new ties within the NOAA family.

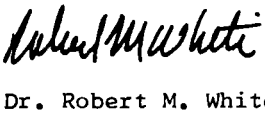
Harley D. Nygren
Rear Admiral, NOAA
Director, NOAA Corps

The holiday season with a new year approaching is a time for taking stock of the past and looking to the future. With more than a year of NOAA now behind us, I want to express my thanks and appreciation for the cooperative spirit with which NOAA employees have accepted and adapted to the many changes that have been required to mold several diverse elements into a new organization. That we have been able to move forward with many new programs during a difficult adjustment period is, I think, a tribute to all.

No one can tell what the year ahead will bring. We have far to go to realize the objectives of our new organization, but we have embarked upon a course that will provide this Nation with a civil focus for its ocean and atmospheric affairs.

While 1972 will find us active in many new and exciting ventures, let us not forget that what makes NOAA, or any other organization, are the people who make it up--your friends, colleagues, and co-workers, and mine. In an organization as large as ours it is easy to forget that kindness, consideration, patience, and respect for our fellow workers is what makes the organization itself worthy of the respect and loyalty of its employees. Let us, during the next year, not forget.

To all of you and to your families I wish a joyful holiday and happy and rewarding New Year, and I know that Howard Pollock and John Townsend join me in this wish.



Dr. Robert M. White
NOAA Administrator

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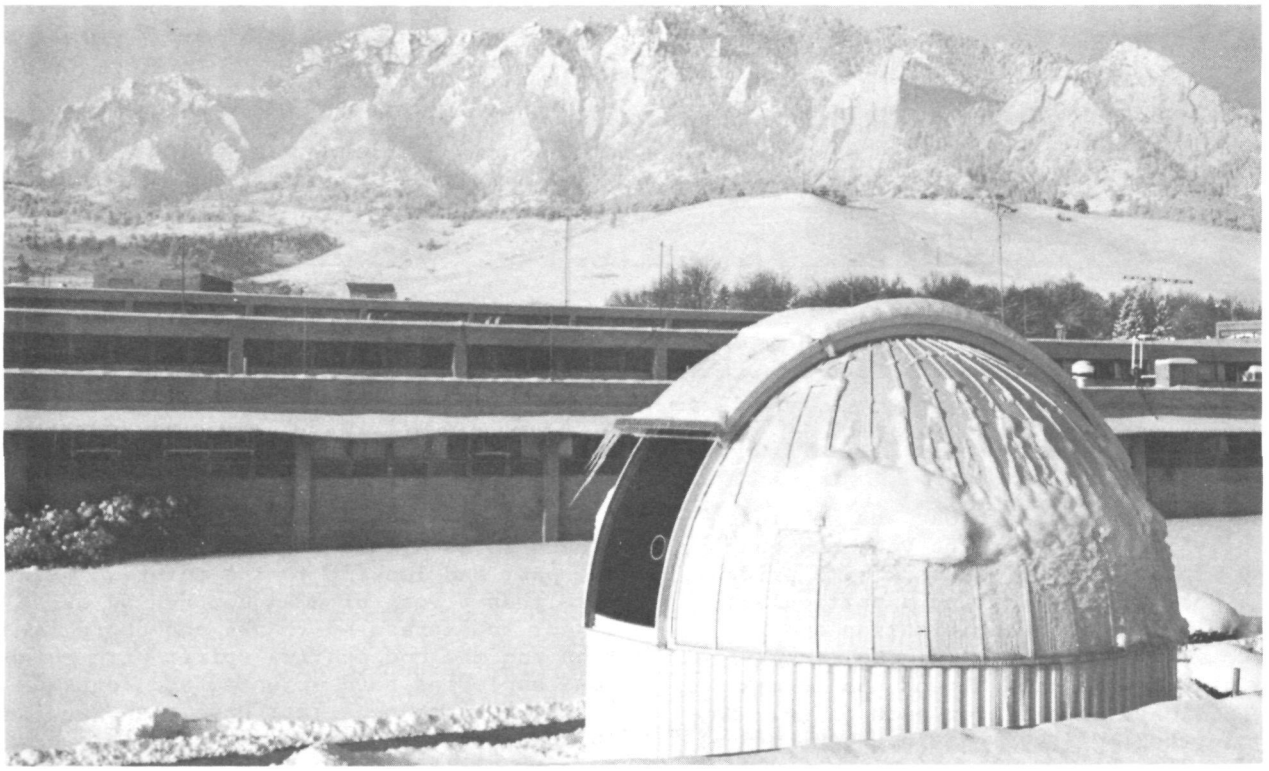
Holiday, New Year Wishes *(Continued from page 1)*



Seasons greetings from Dr. Wilmot N. Hess and the staff of the Environmental Research Laboratories

The Holiday Season is the brightest and warmest time of the year when we have the opportunity to express our greetings and good wishes to our families and friends. We follow again our past tradition of gaiety and friendliness with new inspiration to look ahead expecting better things in the ensuing new year.

In the spirit of warmth and goodwill, I take pleasure in greeting all members of the National Ocean Survey and the National Oceanic and Atmospheric Administration and their families. I welcome this opportunity to extend my thanks for the assistance and cooperation I have received in abundance. Our mission is complex and compelling and we have the assurance that our work is of vital importance to the nation. Much remains to be done in this transition period but we move forward with the assurance that we are all working together. I look forward to entering a new period of opportunity for renewed dedication to the ideals which have always characterized NOS people.

May the joy of this season come in full measure to you and your families and be with you throughout the entire new year.

Rear Admiral Don A. Jones, NOAA
Director, National Ocean Survey

It is a pleasure to extend Season's Greetings and best wishes for a Happy New Year to all NOAA employees and their families.

Oh, by the way, if any of you see good old Saint Nick, ask him to keep an eye out for an environmental satellite last reported near Resolute, NWT. Its return to orbit would be a great gift for all of us in NESS!

David S. Johnson, Director
National Environmental
Satellite Service

The holiday season is a time when each of us should pause, and in the reflection of our accomplishments and failures of the past, determine to make the New Year more rewarding and productive than the last. It is in this spirit of rededication to our personal commitments and organizational objectives that, on behalf of all of us in NMFS, I extend greetings to other elements of the NOAA family; and to all of the people in NMFS, a sincere thank you for your record of unselfish service and an equally sincere wish for happiness, good health, and prosperity in 1972.

Philip M. Roedel, Director
National Marine Fisheries Service

NOS and USPS Start New Year Of Cooperative Charting Program

December 1 marked the start of a new year in the National Ocean Survey-U.S. Power Squadron Cooperative Charting Program. Lake Survey Center and members of the U.S. Power Squadrons in the Great Lakes area wound up another successful season under their portion of the program on November 30. The program is designed to provide better navigational charts to the boating public through the voluntary services of Power Squadron personnel. As part of their normal pleasure-sailing activities, these devoted boaters note and report changes which they feel should be made to the charts in the interest of safety.

The Cooperative Charting Program was initiated by the Marine Chart Division in 1963 and by the Lake Survey Center in 1965. It has continually grown in importance. This year, almost 800 contributions were received from over 100 members in the area charted by the Center. As a result of this valuable service, the Center is able to furnish a greater amount of up-to-date information on its charts and in the Great Lakes Pilot. The work of the Power Squadron members is a valuable supplement to the Center's survey program. Awards for their efforts and contributions during the past year will be presented to districts, squadrons and individuals at the Annual Meeting of the U.S. Power Squadrons to be held in January 1972.

Clerical, Secretarial Vacancies Announced

The Personnel Division recently issued a vacancy announcement covering all clerical and secretarial positions at GS-2 through GS-9 in the Washington, D.C., area. This announcement is issued periodically to obtain names of employees who are interested in being considered for vacancies which occur over the next six months. The announcement lists the specific jobs for which candidates will be considered. Employees who are interested in promotion or transfer to secretarial or clerical jobs at NOAA Headquarters offices should submit a CD-261 to the Personnel Division, Attn: AD46, and they will be considered for vacancies as they occur for which they are eligible. Employees may call 496-8611 for copies of the announcement and the CD-261 forms.

NMFS Names Dr. Robert F. Hutton To Associate Director Position

Dr. Robert F. Hutton, Executive Secretary of the American Fisheries Society for the past six years, has been named Associate Director for Resource Management in the National Marine Fisheries Service. He will assume his new duties in early January 1972.

In his new assignment, Dr. Hutton will work directly with NMFS Director Philip M. Roedel, Deputy Director Robert W. Schoning, and two other associate directors on all aspects of fishery resource management.

NMFS operations within his jurisdiction will be programs to accelerate efforts in the State-Federal Fisheries Management System; enforcement of fishery regulations prescribed by international agreements applicable to U.S. citizens; programs of financial assistance providing Federal funds for certain fishery programs by the States and other non-Federal interests on a cost-sharing basis; fishery extension activities; water resources programs related to environmental protection of estuaries; and enforcement and surveillance measures to protect U. S. fisheries resources from foreign encroachment. He also will be responsible for the Pribilof Island Program and the management of the Columbia River Development Program.

Dr. Hutton is internationally known as a scientist and fisheries administrator. He earned his bachelor's and master's degrees in marine biology from the University of Miami, Coral Gables, Fla., and his Ph.D., also in marine biology, at the University of London in 1954 while on a Fulbright scholarship. He is the author of many scientific publications on marine subjects.

From 1963 until he was named the American Fisheries Society's first full-time Executive Secretary in 1965, Dr. Hutton was Chief of Marine Biology with the Massachusetts Department of Natural Resources. From 1955 to 1962, he was Biologist in Charge of the Florida State Marine Laboratory, St. Petersburg, Fla.

Seminar on Typhoons and Hurricanes Held

The United States - Republic of China (Taiwan) seminar on typhoons and hurricanes was held in Miami, Fla., December 1-3, jointly hosted by the National Hurricane Research Laboratory of ERL's Atlantic Oceanographic and Meteorological Laboratories, and the National Weather Service's National Hurricane Center.

NWS Honors Professor Hiser; Transfers Radar Training

Professor Senn

Professor Homer Hiser (center above), director of the Radar Meteorological Laboratory at the University of Miami's Rosenstiel School of Marine and Atmospheric Science, is shown receiving a Department of Commerce Certificate of Appreciation from Karl R. Johannessen (right), Associate Director, Meteorological Operations, National Weather Service. On Professor Hiser's left is Dr. Robert H. Simpson, Director of the National Hurricane Center, in Miami.

Since 1959, 36 classes--totaling more than 500 NOAA and NWS employees--have attended a special class in radar meteorology taught by Professor Hiser and Associate Professor Harry V. Senn, deputy director of the Radar Laboratory. The four-week class has covered basic radar theory, meteorological mathematics, wave propagation, and identification of weather phenomena, as well as hurricane tracking. The recently completed course is the final one that Weather Service employees will take at the University of Miami; future classes will receive radar training at the NWS Technical Training Center in Kansas City, Mo.

Both professors are well known in the field of radar meteorology and have authored many papers on the subject. They and their associates conduct weather radar research for the government, cooperate closely with the NHC on storm surveillance, and serve as consultants for weather modification experiments over Florida conducted by NOAA's Experimental Meteorological Laboratory.

Health Benefits Plans Materials Being Distributed to Employees

Although there has been a delay in the receipt and distribution of open season materials, the information is now on its way to NOAA employees.

However, open season enrollment changes need not be delayed until receipt of the 1972 brochures. Since the 1972 benefits for all plans are exactly the same as for 1971--except for the new Compcare and American Postal Workers Union Plans--decisions can be made on the basis of the information contained in the 1971 brochures. Changes in premium rates for the major government health plans were published in the November 26, 1971, edition of NOAA Week.

NOS Vessels End Year's Field Operations

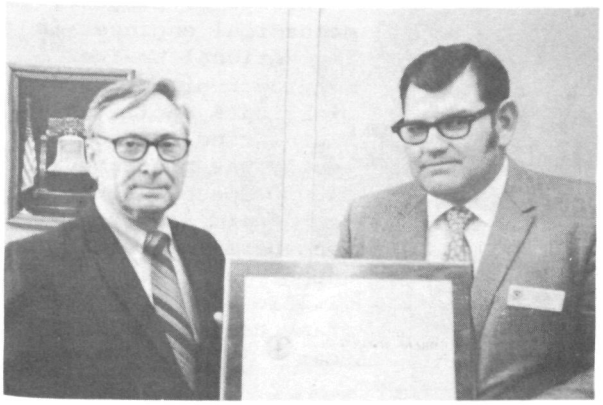
The return to the Pacific Marine Center in Seattle, Wash., of the NOAA Ship McARTHUR on December 10 concluded field operations for this year of the National Ocean Survey's 15 vessels. The ships based in Seattle, Norfolk and Miami will now undergo repair and maintenance, process field records, discharge leave and prepare for the 1972 field year.

NODC Records Section Employees Receive Group Special Achievement Award

Shown above are members of the Records Section of the Environmental Data Service's National Oceanographic Data Center who have received a Group Special Achievement Award for exceptional performance of duty in identifying and cataloging data coming to NODC from worldwide sources. They are (from left) Kathryn K. Nicolle, Section Chief; Aldona M. Aistis; Doris M. Bush; and Catherine R. Powell.

Due to their efforts in entering information into the NODC Accessions Production Inventory System (NAPIS), answers can now be obtained rapidly from the computer on exact amounts and location of oceanographic data held at the Center.

David King Is Awarded Commerce Bronze Medal



David King (right), supervising meteorological technician of the Dayton, Ohio, Weather Service Office, is shown with Chester Rathfon, Meteorologist In Charge at Dayton, who presented Mr. King's Department of Commerce Bronze Medal in recognition of superior performance and outstanding achievement in promoting accuracy of upper air observations.

Secretaries Named "Honorary Crew Members"

To three members of NOAA's distaff side has gone the unusual honor of becoming the first honorary members of a NOAA vessel. They are Sally Martin, secretary to Rear Admiral Don A. Jones, National Ocean Survey Director; Betty Evans, secretary to Rear Admiral Allen L. Powell, Associate Director of Fleet Operations; and Verna Mize, secretary to Rear Admiral Harley D. Nygren, Director of the NOAA Commissioned Corps.

Each was honored for making a trip in Baltimore Harbor recently aboard the automated NOS Launch 1257 by being made an "Honorary Crew Member" of the launch. Suitably engraved certificates calling this to the attention of "all persons be they Masters of the Deep or lubbers of the beach" were presented them by Admiral Jones.

Sea Grant Program Presents Lecture Series For Gifted Children in Los Angeles Schools

More than 400 gifted children from Los Angeles City Schools recently were guests of the University of Southern California's Sea Grant program for a series of lectures devoted to exploring the oceanic environment. The students are enrolled in a special Los Angeles City Schools enrichment program which provides opportunities to learn about marine ecology and other environmental subjects.

Lobster, Shrimp Information Gained From Undersea Project

In muddy estuarine channels in the Gulf of Maine--where few or no lobsters had been expected--National Marine Fisheries biologists recently discovered a commercial-sized population of lobsters. In other parts of the Gulf where many lobsters had been expected, they found none.

Led by Dr. Richard A. Cooper, the NMFS study undertaken in September by the West Boothbay Harbor (Maine) laboratory was the first operational project in NOAA's Manned Undersea Science and Technology (MUS&T) program. It involved 33 dives in the PC-8, a two-man transparent-nosed submersible leased from Perry Oceanographics, Inc., in depths ranging from 50 to 750 feet.

Initial interest was in a study of herring spawning, but it soon became apparent that because of the water temperature the season would occur after the scheduled dives. The NMFS biologists, therefore, expanded their work to include other commercially important species. Altogether they observed 23 commercial fish species, and obtained detailed estimates of numbers in the area for 20 of these species.

The unexpected concentrations of lobsters were discovered in mud burrows at the bottom of canyons near the Sheepscot and Boothbay estuaries along the central coast of Maine, at depths of 150 to 250 feet. This lobster resource had apparently never been fished at that time of the year, because its existence was not known. Dr. Cooper and his associates estimate that lobsters are present in harvestable amounts. All the lobsters were adult, and many were shedding in colder waters (48° F.) than had heretofore been known.

They observed no lobsters on Stellwagen Bank, a large and relatively shallow (50 to 200 feet) rocky bank in the western Gulf of Maine where they had thought lobsters would be abundant.

Of interest to both the lobster industry and to scientists were these findings:

--No juvenile lobsters were observed below about 150 feet, and only one lobster below 250 feet.

--The lone lobster found in deeper waters showed no signs of distress when brought rapidly to the surface, which suggests lobsters do not suffer the "bends" as some fishermen believe.

Concentrations of Pandalid shrimp on the ocean bottom suggest gear might be designed to fish in constant contact with the bottom.

National Data Buoy Center Hosts Three-Day Symposium

A three-day symposium entitled "Exploratory Development Conference for the National Data Buoy Systems" was sponsored and hosted by the National Ocean Survey's National Data Buoy Center, at Bay St. Louis, Miss., last week. The primary focus was on the role of the data buoy system in relation to the country's drive for overall ecological and scientific atmospheric and earth resources management.

The more than 50 participants in the symposium were from various government agencies, including NOAA, National Science Foundation, Corps of Engineers, Coast Guard, Department of the Interior, NASA, Naval Oceanographic Office and the Environmental Protection Agency.

Following the main conference, individual workshops concentrated on such subjects as oceanographic and meteorological sensing devices, data processing, communication and position fixing in relation to offshore platforms utilized in resources management, hulls, moorings, power supplies and aids to navigation, deployment, at-sea servicing, recovery, maintenance and logistics, buoy system requirements including responsiveness to and interface with other environmental measurement systems and the like.

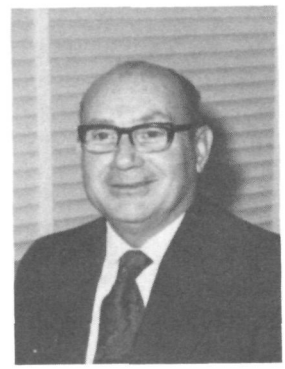
Topics covered in the main session included The National Data Buoy Program and Exploratory Development; The North Pacific Study; the Atlantic Tropical Experiment-Global Atmospheric Research Project; the National Ocean Survey and Exploratory Development; Future Requirements for Near Shore Buoys; Current Research and Development in Buoys for Aids to Navigation.

Also, Test and Evaluation Programs of the National Weather Service; the Earth Resources Observation System- an overview and requirements; Activities and Requirements in Buoy Systems of the National Marine Fisheries Service; Remote Sensors for Marine Environmental Measurements; Automatic Stations and their Use; Overview of International Field Year for the Great Lakes; Data Buoy Dynamics and an Analysis of the Buoy System Implantment.

Airport Survey Underway at Valdosta, Ga.

A National Ocean Survey airport survey party headed by Lieutenant (j.g.) Robert Hunt has begun a field survey of Valdosta (Ga.) Municipal Airport as part of a joint program with the Federal Aviation Administration (FAA) to advance air safety.

Charles B. Haegele Receives Special Achievement Award



Charles B. Haegele, mechanical engineer in the National Weather Service Engineering Division's Facilities Engineering Branch recently was presented a $1,000 Special Achievement Award for excellent performance in support of Engineering Division and NWS programs during the past year.

Through his initiative, engineering expertise and determination, the NWS saved more than $60,000 in the procurement and restoration of seven triangular radar towers for use in the WSR 57 radar installation program. Surplus Air Force towers were purchased upon his recommendation, and he arranged for dismantling, shipping, replacement of missing parts, etc., and assured that complete towers were ready for use at construction sites.

Summer Job Test Dates Announced by CSC

The U. S. Civil Service Commission has announced test dates for 1972 summer jobs in Federal agencies.

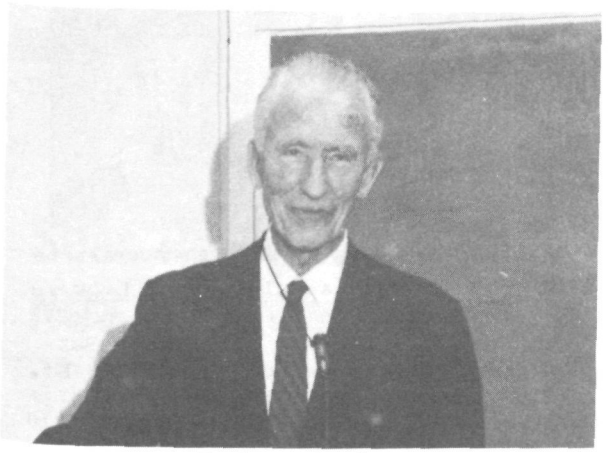
Candidates whose applications are received by January 7 will be tested February 12 and those whose applications are received by February 2 will be tested on March 11. Applications postmarked after February 2 will not be accepted.

Complete instructions for filing, and information on opportunities available, are contained in CSC Announcement No. 414, Summer Jobs in Federal Agencies, which may be obtained from any area office of the Commission, many major post offices, most college placement offices, or from the U.S. Civil Service Commission, Washington, D.C. 20415.

Applicants rated eligible in 1971 need not take the written test again unless they wish to improve their scores. By December 1 they were sent special forms to update their qualifications and indicate their availability for employment in 1972.

REMINDER: Annual leave in excess of the maximum must be used by January 8, 1972, or forfeited.

Professor Jacob A. B. Bjerknes Speaks at NWS Colloquium



Professor Bjerknes

Professor Jacob A. B. Bjerknes--Norwegian meteorologist whose classic work on frontal systems and air masses provided the basis for modern synoptic meteorology--was an honored speaker at a colloquium at National Weather Service headquarters on December 8.

His topic, "Atmospheric Teleconnections from the Equatorial Pacific," dealt with observed changes in ocean/atmosphere relationships in one part of the world as they affect relationships in another part.

An overflow audience of more than 75 NOAA employees and other interested individuals attended the colloquium, one of a monthly series presented by the Office of Meteorological Operations.

Dr. Cressman Receives Plaque From Commander of Air Weather Service

Brigadier General William H. Best, Commander of Air Weather Service, and several members of his staff recently visited Dr. George P. Cressman, Director of the National Weather Service. General Best's visit returned a similar visit of Dr. Cressman to Headquarters Air Weather Service several months ago. In presenting a Friendship Plaque to Dr. Cressman, General Best expressed the hope that such informal visits would be repeated at regular intervals. Dr. Cressman agreed.

In August 1971, NOAA signed a Memorandum of Agreement with AWS for increased cooperation in environmental support of space operations.

Mechanical Fish-Processor Can Increase Seafood Products

Widespread use of various mechanical fish-processing devices which have been tested recently by the National Marine Fisheries Service can result in a substantial profit to industry, greater utilization of harvested fishery resources, and an increase in seafood production.

The devices, designed to separate and recover fish flesh often wasted, were tested by NMFS laboratories in Gloucester, Mass., and Seattle, Wash. Similar processing devices have been in use in Japan for some 20 years and are presently manufactured by several U.S. and foreign companies.

The tests have demonstrated that use of the fish-flesh separator increases the yield of edible fish flesh by 12 to 30 percent over the yield obtained from standard filleting techniques. At present this type of separator is used widely in this country by meat and poultry processing plants, but acceptance has been limited among fish processors.

The highly nutritious end product of the separator consists of minced fish, unadulterated by waste products, which can be used in a variety of ways. NMFS researchers have used the material produced from domestic species experimentally in various products including a "pepperoni" type of fish sausage. They have also tried adding a moderate amount (15 percent) to meat compounds such as frankfurters and meat loaves. Taste-test panels have approved almost all such experimental preparations.

Further work is now underway at NMFS laboratories to determine both the manufacturing and economic implications of such new uses of seafood, as they relate to U. S. fisheries.

NGS Co-Sponsors Workshop in Florida

The National Geodetic Survey co-sponsored a Workshop on Survey Instrumentation and Coordinate Computation in St. Petersburg Beach, Fla., last week. The other co-sponsors were the Florida Society of Professional Land Surveyors, the American Congress on Surveying and Mapping and the St. Petersburg Junior College. The workshop was similar to one co-sponsored by the agency last February at the University of Wisconsin.

NOTES ABOUT PEOPLE ....

Joan Degener Bartlett, writer-editor in the Environmental Research Laboratories' Publication Services Section in Boulder, has been named Colorado's Outstanding Young Woman for 1971 by the Outstanding Young Women of America.

Mrs. Bartlett was nominated by ERL, and was chosen from hundreds of Colorado women included in the 1971 awards volume of Outstanding Young Women of America. She has been employed by NOAA since 1964.

To qualify for the honor the nominees must be between the ages of 21 and 35, and give their time and efforts for the betterment of community, country and profession.

L. A. Joos, Regional Climatologist for the Central Region, National Weather Service, has been named Chairman of the Subcommittee on Seasonality of the "City Strategies" Project for Kansas City. This project is a coordinated interagency experiment, led by the Department of Housing and Urban Development, to implement President Nixon's statement of March 17, 1970, on combating construction inflation and meeting future construction needs. One of the "strategies" is to reduce construction costs in Kansas City and three other demonstration cities by reducing the impact of "seasonality," i.e., climatic constraints. Mr. Joos' subcommittee will study this strategy, making use of the applicable research studies that are available, and will aim at developing a simple brochure for widespread use by small contractors in Kansas City.

Dr. Robert E. Burns of the Environmental Research Laboratories' Pacific Oceanographic Laboratory in Seattle is a co-chief scientist on Leg 21 of the Deep Sea Drilling Project, which is part of the National Science Foundation's National Ocean Sediment Coring Program. On this two-month expedition from Suva, Fiji, to Darwin, Australia, the scientists aboard the GLOMAR CHALLENGER will drill and core a large submarine ridge extending northwest from New Zealand to prove or disprove that millions of years ago this was dry land that subsequently sank thousands of feet below sea level.

Lt. Chappell

Lt. Stachelhaus

Lieutenant J. D. Stachelhaus and Lieutenant George C. Chappell have exchanged jobs as chiefs of the National Ocean Survey's two hydrographic field parties. Lt. Stachelhaus is now head of Hydrographic Field Party 742, based at Pearlington, Miss., where it is conducting surveys of Mississippi Sound. Lt. Chappell is now chief of Hydrographic Field Party 745, stationed at Moore Haven, Fla., where it is conducting a survey of navigational hazards along Florida's west coast.

Sid Jaeger, an experienced commercial fisherman who has served one and a half years on the National Marine Fisheries Advisory Committee, has been appointed to the post of Commercial Fisherman Technologist with the Washington Sea Grant Marine Advisory Program. He will work out of the Division of Marine Resources at the University of Washington to make commercial fishing expertise available to fisheries research projects within Washington Sea Grant or other Federal, state, or industry marine programs.

He has been in the fishing industry since 1947 when he began working summers while attending the University of Washington, from which he subsequently graduated. In 1969-70, he worked cooperatively with the NMFS on the development of a trap or pot fishing method for black cod (sablefish).

Paul Grim, of the Environmental Data Service's National Geophysical Data Center, has been invited to serve on the U. S. Geodynamics Project's Working Group on Magnetic Surveys. The function of this group is to examine existing magnetic data in oceanic areas and to recommend ways in which knowledge gaps can be filled.

Items to be considered for publication in NOAA WEEK should be submitted to: Office of Public Affairs, NOAA, Room 221, Bldg. 5, Rockville, Md. 20852. Phone (301) 496-8243.

National Oceanic and Atmospheric Administration

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