
NEWSLETTER

WOODS HOLE
OCEANOGRAPHIC INSTITUTION



NOVEMBER 1994

Hands-On Marine Science

Whelan Awards Presented

Photo by Lesley Reilly



Enviro-Lab's Rich Schmidt (left) explains trawl net operations.

WHOI's Young Associates Program recently sponsored an afternoon aboard *Enviro-Lab* on the waters off Falmouth, providing students with an opportunity to learn about ocean sciences through hands-on activities. The October 19 event attracted 45 Young Associates and parents. Scientist Emeritus and Associate David Ross, Associates Program staff and other WHOI staff members completed the group.

The Young Associates Program was established in 1991 to promote ocean science education in homes and schools, and to cultivate future graduate students. Until this fall, communication with WHOI Young Associates was done through the quarterly newsletter *Ocean Explorer*.

"The on-the-water marine studies aboard the 65-foot vessel *Enviro-Lab* was the first in what we hope will be two to three yearly activities sponsored for WHOI Young Associates," said Lesley Reilly, Associates Program Manager. Participants came from the local area, as well as places such as Newton, North Andover and Dover. There are currently about 500 Young Associates in the program, including students from all over the United

The Marine Chemistry and Geochemistry Department has presented its Robert R. Whelan Awards for 1994 to Research Assistants Tim Kenna and Laurie Christman.

The Whelan Awards, up to \$1,000 each, are given each year to one or more MC&G Department research and staff assistants to further their professional careers. Selection is made by the Department Chair upon recommendation of a departmental ad hoc committee and is based on proposals submitted by the applicants before October 1 of each year.

The award may be granted for any purpose that fulfills the goal of enhancing the career of the applicant, which may include attendance at a scientific meeting, a workshop or seminar series, or training in special courses during the year. Both of this year's recipients plan to use their awards to enroll in specialized technical courses.

The awards are made possible by income from the Robert R. Whelan Endowed Memorial Fund. Jean Whelan, a senior research specialist in MC&G, says her husband made a gift to WHOI while alive, and when he passed away she requested that the remaining income be directed to the MC&G Department as he had wished.

"Geoff Thompson, then department chair, suggested an award for the technical and department staff to enable them to attend meetings or workshops or take courses that would not be possible otherwise," Jean notes. "I thought it was a great idea, since nothing like it exists and I could clearly see the need. We have very bright people here and it's nice to be able to support them in some small way."

The first Robert R. Whelan Awards were given in 1993 to Bob Nelson and Margaret Sulanowska. Nelson attended a week-long technical course in nuclear magnetic resonance spectroscopy and Sulanowska spent three days at a course on desktop publishing design techniques and technology.

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WHOI Holiday Party December 17

The annual WHOI Holiday Party will be held Saturday, December 17, from 8 p.m. to midnight at the MBL's Swope Center in Woods Hole. Live music will be provided by the Joe Esposito Band featuring Lisa Tomassi. The band has played frequently around Providence, RI, and throughout New England. Jazz, pop, rock and holiday favorites will be featured during the evening. Food, drink and door prizes will also be offered.

Advance tickets are \$9.00 each and can be purchased from the Smith and Clark Stockrooms, and from Trish Halpin in Fenno (first floor), May Reed in the McLean Lobby, Sheila Clifford in Clark 434, Sue Callahan in Nobska, and Sue Vaughan in GEOSECS. Tickets at the door are \$10.00 each.

Boating Course Offered

The Coastal Research Center (CRC) is sponsoring a boating course for WHOI employees in conjunction with the Cape Cod Power Squadron. All certified WHOI boat users are encouraged to take the course, which will offer training and/or refresher information of use to all boat operators.

The course cost is \$30, which includes all necessary materials. The fee will be collected the first night of the course. Meetings will be held from 7 to 9 p.m. in Clark Lab Room 271 on Monday and Thursday evenings beginning January 9, 1995. The last class is February 2, 1995. There is limited enrollment in the course. To make a reservation or for further information contact Bebe McCall at CRC, ext. 2418.

The Newsletter is published monthly for employees, students and members of the Woods Hole Oceanographic Institution community. Copy deadline is the 25th of the month. Ideas for stories, photos, and items of interest to the community are welcome and should be sent to: Editor, Newsletter, News Office, Woods Hole Oceanographic Institution, Woods Hole, MA 02543. Telephone 508-457-2000 ext. 2270 or 3340.

Writer/Editor: Shelley M. Lauzon
Staff Support: Kathleen Patterson

New Members Elected to WHOI Corporation

R. Philip Hanes, Jr. of Winston-Salem, NC, and Molly Crowley of Piedmont, CA, were elected to the Corporation at the fall meeting in Woods Hole in October. The Corporation has 120 Members from scientific, academic and business backgrounds who serve as advisors to the Institution, work on behalf of the Institution on many committees and help raise funds to support its research and education programs.

Hanes has been affiliated with his family's firm, Hanes Companies, Inc. of Winston-Salem, since 1950. He served as Chairman of the Board from 1978 to 1988 and has served as Chairman Emeritus since 1989. He attended the University of North Carolina from 1944 to 1946, leaving to serve in the U.S Naval Reserve. He graduated from Yale University in 1949.

Hanes has served on numerous national and international boards for the arts, including the Advisory Committee for the Renwick Gallery at the Smithsonian Institution and as founder and chairman of the American Arts Forum in Washington, DC; as a board member of the Alliance for Arts Education and the Business Committee for the Arts; and as a member of the executive committee of the National Council for Arts and Education.

He was appointed by President John Kennedy to the board of the National Cultural Center, by President Lyndon Johnson to the National Endowment for the Arts as a founding board member of the music panel, and by President Gerald Ford to the Kennedy Center for the Performing Arts, which Hanes served in several capacities from 1975 to 1988. He was a founding member of *Arts International* magazine and served from 1978 to 1994 on the board of the International Council of the Museum of Modern Art. In 1991 he was awarded the National Medal of Arts.

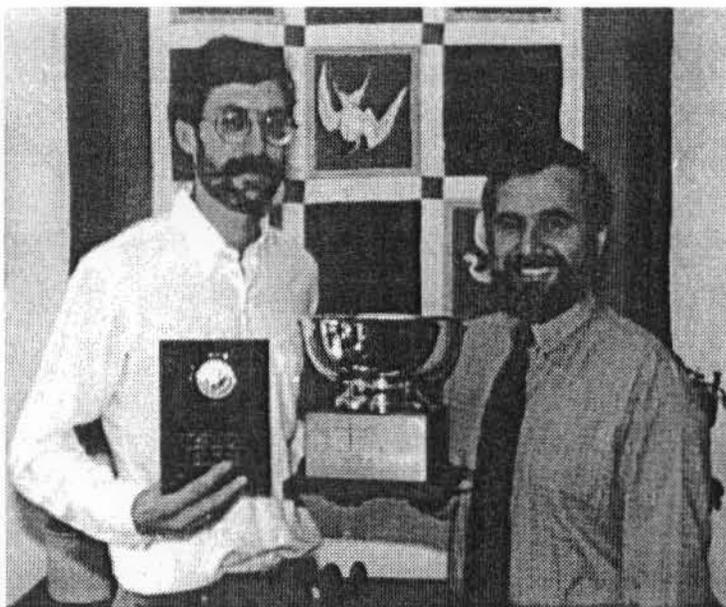
Hanes is a founder of the North Carolina Nature Conservancy, a member of the national advisory committee of the American Farmland Trust, and has been involved in numerous conservation and environmental organizations. In 1969 he was presented the North Carolina & National Wildlife Federation Award for Preservation of natural areas, and in 1982 he received the Gulf Oil and Isaac Walton League of America Conservation Award.

Molly Crowley is the wife of Thomas B. Crowley, an Honorary Trustee who passed away in July 1994. Mr. Crowley was Chairman of the Board and former President and Director of Crowley Maritime Corporation.

Name Dialing Service Available

Telecommunications Coordinator Linda Benway reminds all WHOI staff that you do not need to know your party's extension in order to reach them since a dial-by-name service exists on the WHOI telephone system.

Benway says the database to allow internal name dialing was recently updated. To verify that you are in the database with the correct information, dial 2000, then 11, then spell your party's last name followed by first name. As soon as a unique match is obtained the call will be made. If the information is incorrect, send an e-mail message or call Isabel Penman at ext. 2251 with the correct information.



Mike Caruso (left) of the All-WHOI Relay Team and Director Bob Gagorian with the team's plaque and trophy.

WHOI Teams Win Cape Cod Marathon

A number of teams and individuals from WHOI participated in the Cape Cod Marathon October 30, with the All-WHOI Relay Team and the Sea Slugs winning their respective divisions. Both individual marathons and team marathons were run.

The All-WHOI Relay Team won first place, mixed open (second place overall in the relay) in the Harvard Community Health Plan Marathon Relay and first place in the open large business category. The team received a plaque from Harvard Community Health for the relay and *The Enterprise* trophy for the business competition (see photo above). More than 60 relay teams participated.

Team members and the legs they ran were: Bob Pickart, first leg (3 miles) and fifth leg (5.3 miles); Dan Frye, second leg (6.5 miles); Susan O'Connor-Lough, third leg (5.5 miles); and team captain Mike Caruso, fourth leg (5.8 miles). The team ran a standard marathon, 26.2 miles.

The Sea Slugs won the corporate challenge for women, large business and also received a trophy. Team members were Anya Waite, Sarah Zimmerman, Mari Butler, Margie Oleksiak and Corinne Reimer. "We got together just for fun and did really well," Anya Waite says of the experience. "None of us had ever been in a marathon before."

Congratulations to both teams, and to all members of the WHOI staff who participated! The team trophies will be on display in the Clark Lobby.

Congratulations

— to Associate Scientist Ken Stewart of AOP&E and his wife, Vicki Taukes, on the birth of their daughter Hali Elise September 23 at Falmouth Hospital.

Save the Date!!!

Celebrate Mardi Gras February 4, 1995 at an evening event sponsored by the Employee Capital Campaign Committee. Watch for further details in the December and January issues of the *Newsletter*.

Recipes Wanted for WHOI Cookbook

The Employee Capital Campaign Committee (ECCC) is sponsoring a WHOI cookbook and needs recipes. A Personal Recipe Template has been sent to employees and other members of the WHOI community.

"We hope the cookbook will represent the remarkable diversity and talents of the WHOI community," notes Mindy Hall, chair of the ECCC Cookbook Committee. "We want your favorite, special, secret and unusual recipes. Favorite recipes always have stories attached - be sure to tell us yours!"

The committee would like to receive at least one recipe from everyone. Recipes submitted for Cynthia Dorman's cookbook are welcome. If you are artistic and would like to contribute your talents to the cookbook, or need a recipe template, contact Mindy Hall at ext. 2599.

Cookbook Committee members are: Tracey Crago, Amy Donner, Mindy Hall, Charlie Innis, Sean Kery, Shelley Lauzon, Judy McDowell, Terry McKee, Gail McPhee, Jim Price, Bonnie Ripley, Mary Jane Tucci and Chris Wooding.

Staff Honors and Awards

Senior Scientist Bob Ballard of the Applied Ocean Physics and Engineering Department was honored November 4 by the Circumnavigators Club with its 1994 Order of Magellan Award, "conferred periodically to outstanding individuals who are dedicated to advancing peace and understanding throughout the world." The last recipient was author James A. Michener in 1992. Other recent recipients include Gilbert Grosvenor of the National Geographic Society (1989), astronaut Sally Ride (1985), and explorers Sir Edmund Hilary (1983) and Thor Heyerdahl (1981).

On November 16 Bob Ballard was presented the first annual Science Service/*Science News* Award for Contributions to Science, Youth and Exploration. Bob was honored "for his outstanding and unselfish devotion to assisting students in furthering their understanding of science and its importance to society and the world's well-being." The award was presented at a benefit at the Explorers Club in New York City to support the International Science and Engineering Fair Grand Award Scholarships and Explorers Club Field Trip awards.



Learning about the local area, both above and below the water, was part of the October 19 Young Associates Program trip aboard *Enviro-Lab*. The event was the first of what is hoped will be a series of annual program activities.

Young Associates *continued from page 1*

States and several foreign countries.

Enviro-Lab staff members Rich Schmidt and Berit Solstad kept the group's attention through questions and information on the local marine environment. Students participated in pulling a trawl net and studying the catch of crab, flounder, starfish and squid. They collected plankton and studied specimens under microscopes, although the opportunity to touch the creatures and learn about them kept a large crowd on the stern.

The students took water samples and tested for chemical and physical properties such as density, clarity, salinity and dissolved oxygen content. They also collected sediment cores with a gravity corer, and learned about navigation on the bridge with Captain Bill Madison, using nautical charts and electronic navigation instruments to study the geography of the area and determine the boat's precise location. "It was a very good experience," Dave Ross said of the program. "The kids and their parents seemed to be enthusiastic about it."

The two-hour cruise was conducted by the staff of Harbor Explorations, a collaborative of the University of Massachusetts/Boston and Project Oceanology, which serves schools and colleges in Massachusetts. Project Oceanology, based in Groton, CT, was founded in 1972 as a non-profit association of public and private schools in New England and New York. It enables more than 20,000 students and adults each year to learn about the ocean through on-the-water experiences.

Following three days at Martha's Vineyard, *Enviro-Lab* spent the week of October 17 in Woods Hole, working from Dyer's Dock. While in the area, they conducted programs for schools in Nantucket, Falmouth, Chatham, Cohasset, and Hingham. *Enviro-Lab* left Woods Hole October 21 for a week of programs on Long Island before returning to Dorchester Bay in Boston where most of its activities are conducted.

"In 1995 we hope to expand the Young Associates Program to include opportunities to involve its members in hands-on science and visits to the Institution," said Lesley Reilly. On January 28 Young Associates will be invited to visit McLean Laboratory and learn how scientists are using seafloor samples, corals and clam shells to study climate change. Plans are also underway for a spring Ocean Science Careers seminar.

The Young Associates quarterly newsletter, *Ocean Explorer*, introduces students age 11-14 to the excitement, challenge and importance of ocean science by featuring research projects involving Institution staff. Previous editions have focused on such topics as research in Antarctica, the logistics of a research cruise, development of manned and unmanned vehicles, deep-sea hydrothermal vents, and dolphin and whale research. The December 1994 issue features WHOI staff involvement in earthquake research.

Membership in the Young Associates (\$15 per year) includes a subscription to *Ocean Explorer*, a membership certificate, a poster, and invitations to activities which will introduce members to the Institution's scientists, facilities and ships. Classroom group subscriptions to *Ocean Explorer*, not including membership benefits, are available for \$18 per year.

For further information about the Associates Program and the Young Associates Program contact Lesley Reilly in Fenno House at ext. 3313.

WHOI Volunteers Contribute More than 3,300 Hours

"We couldn't have done it without you," was the phrase printed on a banner hung in Carriage House for the Annual Volunteer Awards Luncheon September 26. "WHOI's dedicated corps of volunteers has brought the Information and News Offices, among others, through another busy season" notes Information Officer Lee Anne Campbell.

Between September 1st of 1993 and September 1st of 1994, volunteers, working in various capacities throughout the Institution, gave more than 3,313 hours of their time to WHOI. Since full-time staff members work 1,824 hours in a year's time, the hourly contribution of WHOI's 60 active volunteers is significant.

The luncheon at the Carriage House included a buffet provided by Prime Cut Beef and Deli, a formal address and thank you from Director Bob Gagosian, and the presentation of awards. In addition, each volunteer received a reproduction scrimshaw ornament depicting *Atlantis* from the Exhibit Center gift shop. The ten volunteers who had accumulated more than 100 hours each during the year were presented with an additional special gift.

Those honored at the luncheon included volunteers at the Exhibit Center, in the News and Information Offices, at the Sea Grant office, in the WHOI Archives, and people who volunteered at Bridgewater State College during the 1994 JASON Project. Also honored were community hosts and English tutors for international visitors, volunteers in science laboratories, and volunteer projectionists who make possible the continuation of WHOI's weekly Peanut Butter Club.

For further information about the Volunteer Program at WHOI, call Gini McKinnon (ext. 2662), Sandra Murphy (ext. 2252) or Lee Anne Campbell (ext. 2271) in the Information Office.

LaBernz Appointed Human Resources Manager

Kathleen LaBernz has been appointed WHOI's Human Resources Manager. In announcing the appointment November 18, Associate Director for Institution Operations Larry Ladd said Kathy "has shown the leadership, initiative, caring, and institutional commitment required to serve as a first rate Human Resources Manager. Bob Gagosian and I are confident that Kathy is the right choice for the Institution at this time."

Kathy joined the Institution staff in 1987 as Personnel Administrator and was promoted to Assistant Human Resources Manager in 1991. Prior to her move to WHOI she spent eleven years at the University Health Center, Inc. in Burlington, Vermont, where she rose to the position of Personnel Manager. She holds two undergraduate degrees, one in elementary education from Rhode Island College and the other in business administration from Trinity College (Vermont).

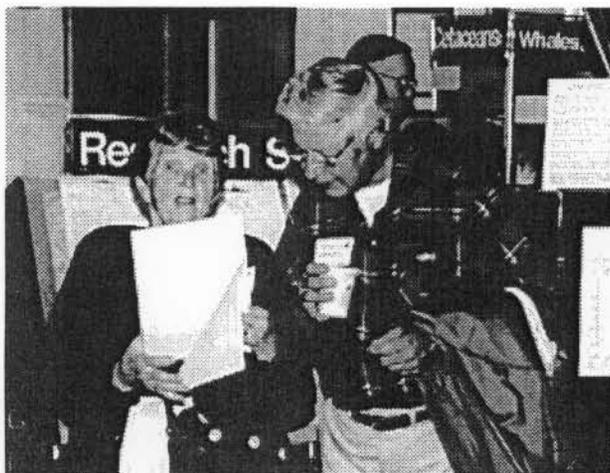
Exhibit Center Hours

The Exhibit Center hours for December are Fridays and Saturdays 10:00 a.m. to 4:30 p.m. and Sundays noon to 4:30 p.m. Special hours include: December 20 - 24 and 27 - 31, 10:00 a.m. to 4:30 p.m. The Exhibit Center will be closed January and February 1995. WHOI employees, Associates, and Volunteers are entitled to a 15% discount on most of the items carried in the Exhibit Center that are not available at the stockrooms.



Lorraine and Harris Weston (left photo) volunteer in the News and Information Offices in the Co-op Building. In the photo above, retired employee Jack Donnelly (at far right) volunteers at the Exhibit Center, while retiree Kittie Elliott (next to Jack at right) volunteers in the Information Office. Kathy Patterson of the News Office is at far left. The photos were taken at a Volunteer Open House earlier this year at the Exhibit Center.

Photos by Tom Kleindinst



In Memoriam

The Woods Hole Oceanographic Institution announces with great sorrow the death November 7, 1994 of Human Resources Manager Barbara Wickenden at Falmouth Hospital of cancer. She was 49 years old.

Barbara was born in Wareham, MA, and raised in Marion, MA, where her father was headmaster at Tabor Academy. She attended Marion public schools and later Friends Academy in North Dartmouth, MA, and Dana Hall School in Wellesley, MA. She graduated from Hollins College in Roanoke, VA, with a bachelor's degree in English in 1966, and went to work soon after at Little, Brown & Company Publishers in Boston, first as an editorial assistant in the children's book division and later as executive secretary to the president of Little, Brown.

In 1969 she joined the staff at Harvard University Graduate School of Education as administrative assistant to the Assistant Dean for Administration. Barbara's skills in personnel issues led to a number of promotions and

increasing responsibility for the school's personnel needs, and in 1977 she was named Personnel Officer for the Office of Academic and Administrative Personnel. That same year she received a master's degree in education from Harvard University.

Barbara left Harvard University in November 1984 to join the Woods Hole Oceanographic Institution staff as Personnel Manager. She participated on numerous Institution committees, helping to improve benefits, career paths for many staff members, and dealing with all facets of employee activities. Barbara, a "people person," was often cited for her professional skills, her cooperation, support and helpful attitude on a variety of issues and concerns, her ability to listen and to remain cool under pressure, and to provide advice when needed.

She is survived by her mother, Nancy Wickenden, of Marion; two sisters, Jeanne Lake and Meredith Ryder, both of Marion; one brother, James, of Princeton, NJ; and many nieces and nephews. A memorial service was held November 12 at Wickenden Chapel at Tabor Academy. In lieu of flowers, the family has requested that donations in Barbara's memory be made to the Woods Hole Oceanographic Institution, c/o Development Office, Fenno House.

Work and Family Life Committee Holding Used Toy and Equipment Drive

The Committee on Work and Family Life is sponsoring a used toy and equipment drive to benefit the Cape Cod Early Child Intervention Program. The program provides assistance to children up to three years of age with varying types of disabilities such as cerebral palsy, genetic disorders, Down's syndrome, and developmental delays. Donations of used toys, baby furniture and equipment (car seats, strollers, cribs, etc.) in good condition are welcome. Contact Patty Duffy at ext. 2361 or Judy McDowell at ext. 2557 for further information.

Women's Committee Sponsoring Food Drive

The Women's Committee is sponsoring a holiday food drive to benefit the local foodbank and Emerson House, a residential treatment program for women, adolescent girls, and mothers with infants. Appropriate items include non-perishable food (canned and/or boxed goods), baby items (baby shampoo, Q-Tips, baby oil, powder or wipes, etc.), and personal hygiene items. Donation boxes are located throughout the Institution.



Photo by Shelley Lauzon

Several dozen WHOI staff members and their families planted bulbs around Nobska House November 11 in Barbara Wickenden's memory. More than 1200 bulbs were planted in less than two hours, nearly all of them donated by Grafton Briggs Landscaping. Pictured above planting on the hill to the right of the building are (top to bottom) Maggie Walden, Charlie Olson and June Taft. Patty Duffy suggested the memorial.



Sheila Payne and George Frisk (top photo) enjoyed refreshments at the Open House at Bell House November 3. Sandy Botelho, Linda Lucier, Susan Ferreira and Claire Reid (bottom photo, left to right) all work in the building. The Open House was hosted by the staffs of Grant and Contract Services and the Offices of the Associate Director for Institution Operations and Associate Director for Research.

United Way Campaign Gets Underway

The 1994 United Way Campaign is getting underway. Co-chairs this year are Director Bob Gagosian and Senior News Officer Shelley Lauzon. Within the next ten days employees will be receiving information about the member agencies served by United Way of Cape Cod and the Islands, a donation form and other information. United Way is the only official charitable campaign sponsored by the Institution. This year's campaign will end January 15. If you have any questions after you have received and read the campaign information contact Shelley Lauzon at ext. 2270.

In Memoriam

The Woods Hole Oceanographic Institution announces with sorrow the deaths of retired employee **William S. Shultz** and Honorary Trustee and Honorary Member **Jerome B. Wiesner**.

William Steele Shultz died October 26 in Falmouth at age 81. He joined the WHOI staff in 1943 as a research physicist assistant working with Project Navy 7 on underwater explosives research. He headed construction of submarine models for the cross Roads Project at Bikini Atoll, and worked with the late Allyn Vine on the designs of the Deep Bathythermograph and the Variable Deep Sonar. Bill was co-designer of a pneumatic bottom corer for exploration at the Texas Tower sites, and worked on the impact sound generator, known as the Sawyer Project. He spent several years as part of the *Alvin* group, designing and installing the emergency hull release and conducting extensive testing of the sub's electrical fuses. Bill conducted the first overhaul on the mechanical arm after its loss and recovery in 1969. He later headed the Ocean Engineering department's model shop and high pressure test facility, which he designed, and contributed to work in the *Alvin*, buoy and electronics groups. A memorial service will be held at a later date.

Jerome B. Wiesner died October 21 at home in Watertown, MA, at age 79. A former President of MIT and Science Advisor to President John F. Kennedy, Jerome Wiesner was an authority on microwave theory and an analyst of military technology. His long career in teaching, research and administration at MIT included expansion of the university's instruction and research in the humanities and emphasis on the application of science and engineering to many societal problems.

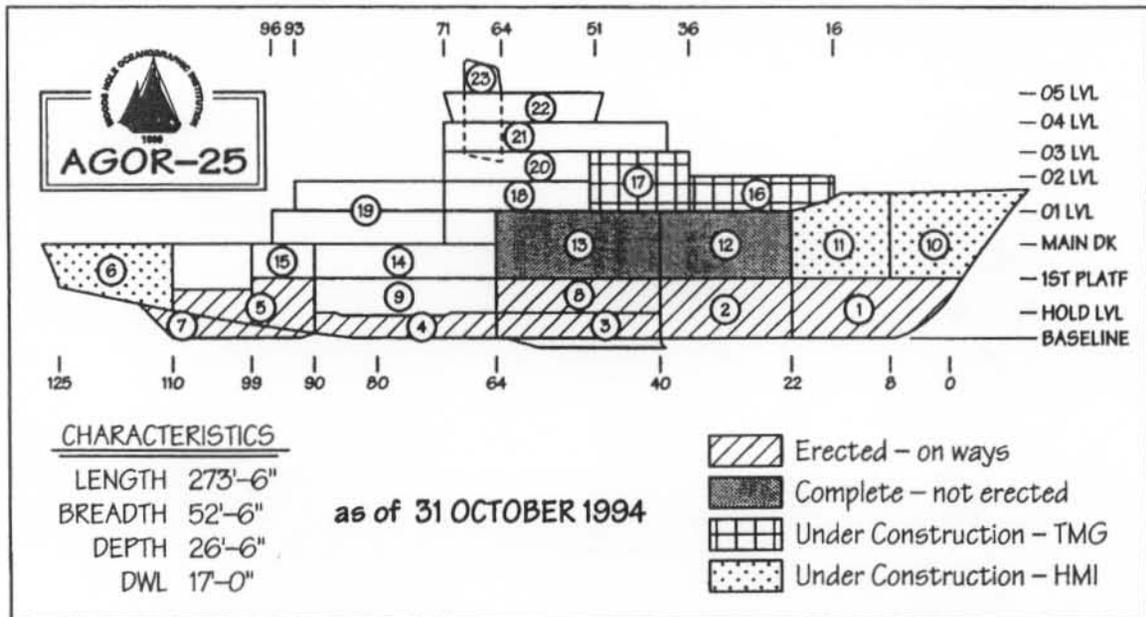
He received his B.S., M.S. and Ph.D. degrees from the University of Michigan at Ann Arbor before joining the staff of MIT's Radiation Laboratory in 1942. In 1945 he moved to the staff of the University of California's Los Alamos Laboratory in New Mexico to work on electronic components that were used in the atomic bomb tests at Bikini Atoll in 1946. He returned to MIT in 1946 to serve as assistant professor of electrical engineering, was appointed a full professor in 1950 and was Director of the MIT Research Laboratory of Electronics from 1952 to 1961. He later rose to Dean of the School of Science and Provost and served as President of MIT from 1971 to 1980. At the time of his death he was President Emeritus and Institute Professor at MIT.

Wiesner served as a member of the WHOI Corporation from 1964 to 1985, when he became an Honorary Member. He was elected a Trustee in 1976 and an Honorary Trustee in 1985. He served on the Education Committee from 1966 to 1968 and was present for the signing of the charter establishing the MIT/WHOI Joint Program in 1968.

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Construction Progress

Construction status of Atlantis (AGOR-25) as of October 31. TMG refers to Trinity Marine Gulfport and HMI indicates Halter Marine, Inc. Both ship-yards are owned by Trinity Industries.



Atlantis Construction Update

At noon November 9, WHOI's new Research Vessel *Atlantis* (AGOR-25) began its shortest trip, moving 80 feet to Slipway Position B at the Halter Marine facility in Moss Point, MS.

The 273-foot ship will stay at this position until March 1995 having its hull completed and outfitting initiated prior to its move to its final shore-side position, Slipway A. Hull work, further outfitting, electronics and painting will be completed in Slipway A before launching in the spring of 1996. Delivery to WHOI is expected in the spring of 1997.

Bill Collins, WHOI's on-site project manager, reports that the ship was 20 percent complete at move time (see construction progress diagram above). "The precision move was exciting to witness, but was just another of many made by Halter using their unique rail car truck transfer system," Collins says.

Ship Notes

ATLANTIS II/ALVIN

R/V *Atlantis II* and DSV *Alvin* departed Manzanillo, Mexico, November 5 for biological studies on the East Pacific Rise. They are due at Panama December 5. After a transit through the Panama Canal they will head home, completing their 17-month Voyage #131 when they arrive December 15. They will remain in port for the holidays.

KNORR

R/V *Knorr* arrived in Fremantle, Australia, October 20 and spent several weeks in a shipyard undergoing routine scheduled maintenance. Sea trials and system performance evaluation of the newly installed Sea Beam mapping system were conducted November 19-23.

The ship is scheduled to depart Fremantle December 1 on Leg V of extended Voyage #145 to conduct two high resolution hydrographic transects of the Antarctic Circumpolar Current southwest of Australia as part of the Indian Ocean component of the World Ocean Circulation Experiment (WOCE). Principal scientific activity during the leg will be CTD/rosette stations to the ocean bottom at 30-nautical-mile spacing from Fremantle to the ice edge at longitude 115°E. *Knorr* is due back at Fremantle January 19, 1995.

OCEANUS

R/V *Oceanus* remains at the WHOI dock in lay-up status preparing to resume its operating schedule in January.

In Memoriam *continued from page 7*

Word has been received of the death November 23 of **Priscilla Hiller**, wife of retired employee Emerson Hiller, at home in Fairhaven, MA. Emerson Hiller sailed aboard WHOI research vessels for many years, most recently as master of Research Vessel *Knorr*.

