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# NEWSLETTER

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WOODS HOLE  
OCEANOGRAPHIC INSTITUTION



JANUARY 1994

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## Congratulations, Bob!



Photo by Dave Gray

Bob Gagosian, left, talks with Phil Richardson (hidden behind Bob), Bill Horn (center) and Jerry Dean (right) of the Physical Oceanography Department at the January 10 reception in Clark 507.

### Bob Gagosian Named Seventh WHOI Director

Dr. Robert Gagosian was named January 7 as the Institution's seventh Director by a unanimous vote of the Board of Trustees. The vote came at the Trustees' winter meeting in Boston and was based on the recommendation of a combined Institution staff and Trustee Search Committee. The appointment was effective immediately.

A reception was held January 10 at Clark 507 for the staff and students to congratulate Bob on his appointment. Building Services Personnel estimate the crowd on hand at between 400 and 500 (see photos above and on page 3).

"Bob Gagosian is a noted marine organic chemist and has proven himself as a fine administrator during the past several years," Chairman of the Board Guy Nichols said in announcing the appointment. "He is a people person with enormous energy and spirit. His dedication to the Institution is well known and much respected. He has been a leader in the national and international ocean

*Continued on page 3*

### Luyten Named Associate Director for Research

Senior Scientist Jim Luyten has been named Associate Director for Research, effective February 1, 1994. He succeeds Fred Sayles, who has served as Acting Associate Director for Research since August, when Bob Gagosian was named Acting Director.

Luyten received his B.A. degree from Reed College in 1963, and his M.A. and Ph.D. degrees from Harvard University in 1965 and 1969, respectively. He first came to WHOI in 1968 as a Summer Fellow in the Geophysical Fluid Dynamics Program. From 1969 to 1971 he worked at Harvard University as a Research Fellow and Lecturer in Geophysical Fluid Dynamics. He

*Continued on page 2*

### Stommel Medal to be Presented February 9

Dr. John Swallow of the United Kingdom will receive the first Henry Melson Stommel Medal February 9. The award ceremony will be held at 3 p.m. in Clark 507 and is open to all staff and students. Additional seminars and time with graduate students are scheduled February 10 and 11.

Swallow is perhaps best known for the invention and development of the neutrally buoyant float, the "Swallow Float," and its applications to circulation studies. He used the float to identify the Deep Western Boundary Current off New England that had been predicted by Henry

*Continued on page 2*

## Luyten *continued from page 1*

joined the WHOI staff in 1971 as an Assistant Scientist, was promoted to Associate Scientist in 1975 and to Senior Scientist in 1986. He has served as Physical Oceanography Department Chair since 1990. His research interests are the physics of oceanic circulation, particularly at large spatial and long time scales. He is the author or co-author of 41 refereed scientific publications.

"Jim is well known for his integrity and straightforwardness, and I'm sure that, with his expertise and proven commitment to this Institution, he will be an effective champion of WHOI's science and engineering and of those who conduct it and support it," Director Bob Gagosian said.

## Women's Committee Annual Goods Drive Benefits Emerson House

The Women's Committee of WHOI held another successful goods drive during December. This year the proceeds were brought to the Emerson House, a residential treatment program for women, adolescent girls, and mothers with infants, located in West Falmouth.

"As in past years, WHOI employees were generous in donating a wide variety of goods including non-perishable foods, personal hygiene items, baby goods, toys, etc.," Women's Committee Chair Laurel Duda reports. "It was a pleasure for members of the Women's Committee to see so many happy faces as we brought bag after bag into the main office of Emerson House. The Committee would like to thank everyone for their generosity and gives special thanks to Shipping for donating the boxes."

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.

Editor: Shelley M. Lauzon  
Staff Support: Kathleen Patterson

Photo by Tom Kleindienst



*Jim Luyten will assume the duties of Associate Director for Research February 1.*

## Stommel Medal *continued from page 1*

Stommel, then went on to search for the predicted slow poleward return flow in the ocean interior.

The Stommel award is a gold medal and monetary award. In selecting John Swallow, the Stommel Medal Committee noted that "these studies led to the discovery of the mesoscale eddy field and the ensuing MODE (Mid-Ocean Dynamics Experiment) and POLYMODE (Joint US-USSR Mid-Ocean Dynamics Experiment). Swallow has also made important contributions to the bottom water formation problem through very careful analysis of data from the MEDOC experiment and the oceanography of the Indian Ocean."

"John has enormous integrity and is respected worldwide as one of the best seagoing oceanographers of his generation and subsequent ones," the selection committee wrote. "Hank had a deep respect for him and they were great friends. We think he would be pleased."

Swallow is retired but continues to pursue his oceanographic interests through collaboration with colleagues as well as going to sea.

The Stommel Medal was established in January 1993 in honor of oceanographer Henry Melson Stommel, who died in January 1992. The medal is to be awarded "to individuals who have made fundamental and enduring contributions to observing and understanding ocean processes. In keeping with the spirit of Henry Stommel's scientific interests, special consideration will be given to contributions rooted in oceanographic observations."

According to award criteria, the scientific work honored by this medal "may consist of a specific achievement or an accumulative series of contributions. The Selection Committee will be a small group appointed by the Director from the senior staff of the Institution. In general, the selection committee will solicit recommendations from the international oceanographic community."

The Selection Committee included Nelson Hogg of PO (chair), Fred Sayles of MC&G, Holger Jannasch of Biology, Bill Curry of G&G and Tim Stanton of AOP&E.

## Gagosian *continued from page 1*

science research communities for many years and is extremely knowledgeable about the issues facing the scientific community today. I am confident he will do a superb job as Director of this Institution."

Gagosian had served as Acting Director since August 1 following the resignation of Craig Dorman, who had served as Director for nearly five years. Prior to that appointment he had been Senior Associate Director and Director of Research since August 1992. As Director of Research he oversaw some 350 research projects underway at a given time and a scientific and technical staff of more than 500 of the Institution's 880 year-round employees.

"We conducted the search as extensively and carefully as we could, as if there were no already known candidates," Search Committee chair and MIT Professor and Nobel Laureate Robert Solow said. "Bob Gagosian stood out in the whole field. The Committee was unanimous, enthusiastic and certain."

The eight-member search committee, comprised of four WHOI scientific staff members and four individuals representing the Trustees and Corporation, conducted a national search. The committee carefully reviewed more than 60 applications and nominations during the past six months and interviewed a number of candidates.

Senior Scientist Judy McDowell, a member of the Search Committee, spoke on behalf of the WHOI staff representatives on the committee at the January 10 reception. She said the search committee was impressed by the diversity and talents of the candidates. "We were also impressed and encouraged by the leadership skills that are emerging among our colleagues in the ocean sciences community," McDowell said. "I personally know Bob as someone who has great concern and compassion for the people of this Institution. That concern and compassion, together with Bob's demonstrated leadership and administrative skills and knowledge of oceanography, made him stand out among many good candidates."

Frank Hoch spoke on behalf of the Trustees, recalling the scope of the search and the unanimous decision to appoint Bob Gagosian. "We combed the entire oceanographic community and feel we covered the waterfront quite well," he said of the search process. "Bob possessed the combination of attributes that the Search Committee felt the next leader of the Institution should have." Hoch noted the difficult times facing the

Photo by Dave Gray



*Tim Stanton of AOP&E, a member of the Search Committee, congratulates the new Director.*

ocean research community and the nation, the increasingly fierce competition for talent and funds, and the importance of the capital campaign to secure need funding. "Even the best can get better," he said, "and it is Bob's job to lead us in that direction."

Bob told the crowd he was honored and pleased with the confidence and faith that has been placed in him. "My vision for WHOI is to have a professional and personal environment where the very best researchers, staff and students will want to do ocean sciences and engineering research. That means providing a creative and innovative environment, the best marine and land-based facilities, and a critical mass of scientists for successful interdisciplinary collaborative efforts."

He stressed that team effort is critical to the continued success of the Institution and noted three challenges facing the Institution in the coming months. The first is "assuring that WHOI maintain the very high quality of excellence of its scientists, support staff and students which is the core of WHOI's strength and reputation. The protection of the environment where innovation and creativity flourish is essential. The Institution must also continue to have the flexibility in its resources to evolve and mature as an organization."

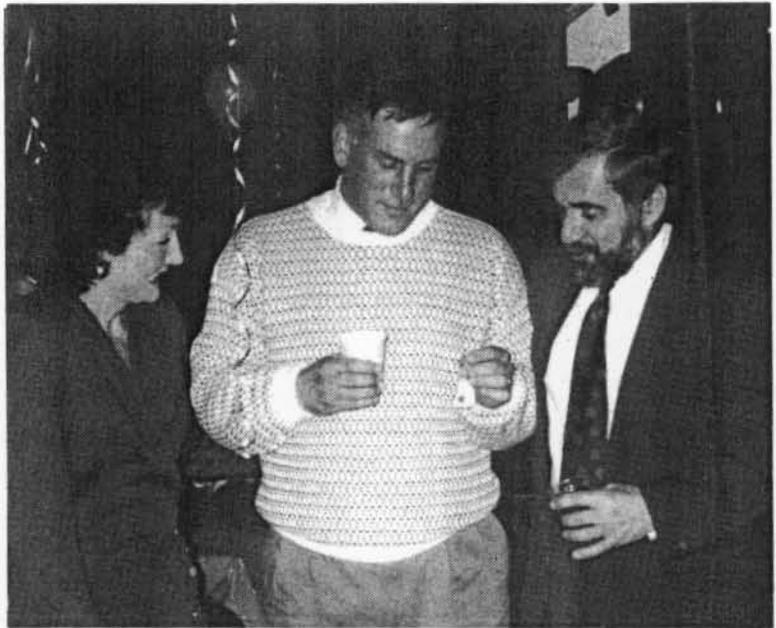
"I'm here to serve you," Bob told the crowd in Clark 507. "I want you to feel very comfortable in letting me know how you feel about things and the direction the Institution is taking. This is an extraordinary Institution. We are a jewel in the crown of this country's and the international research enterprise. Working together, I intend to enhance its brilliance. I look forward to your assistance and advice."

## Holiday Party Attracts 175

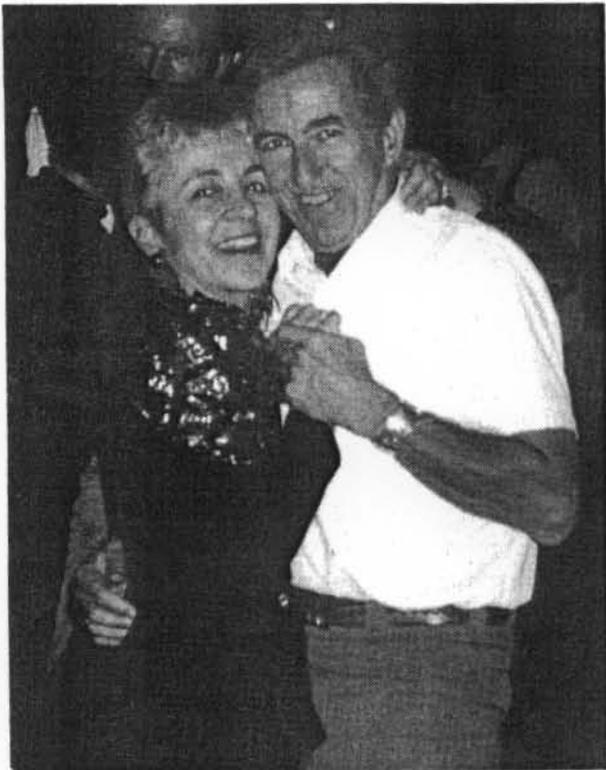
Staff members, students and their guests attended the annual Holiday Party December 18 at the MBL's Swope Center. Musical entertainment was provided by The Emerald City Band, featuring the Data Library's Lori Mahoney as vocalist.

Many door prizes were awarded again this year. Hovey Clifford presided at the drawing with the help of "Santa" Victor Fontana. Among the prizes were gift certificates to local businesses and gift baskets.

Special thanks to the Holiday Party Committee: Shirley Bowman, Lee Campbell, Hovey Clifford, Amy Donner, Dave Dubois, Victor Fontana, Justine Gardner-Smith, George Hampson, Nanci Hickey, Fred Keller, Bruce Lancaster, Dale Leavitt, Molly Lumping, Charlie Olsen, Lesley Reilly, Robert Schreiter, Pete Schwamb, Sandy Sherlock, Barbara Wickenden and Mary Zawoysky.



*Nancy and Gary Chiljean show Bob Gagosian a special Christmas ornament, a shrunken styrofoam cup made during an Alvin dive. Gary Chiljean was home on leave from duties as regular master of Atlantis II.*



*Pam and Stan Hart enjoyed dancing the night away. Pam is the Executive Assistant to the Director and Stan is a Senior Scientist in G&G.*



*Lori Mahoney of the Data Library, vocalist for The Emerald City Band.*

*Right: Fred Brown (left) and Nap McCall of Building Services serv refreshments in their holiday fine Carlos Velez (not pictured) also sisted.*

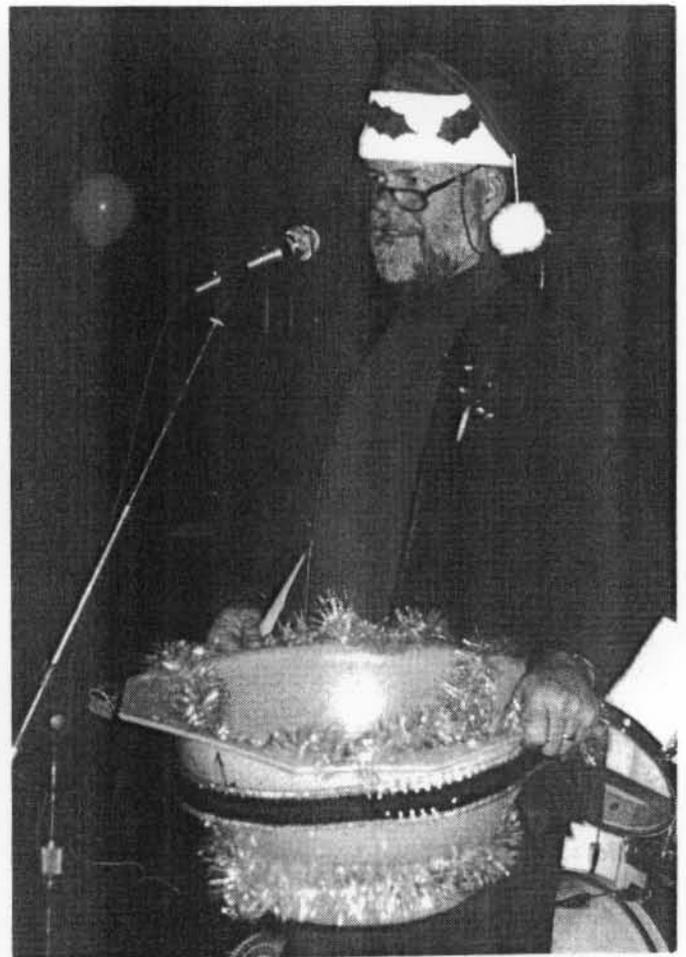


*Bob Frazel of P.O. and Kay Fitz of the Property Office took a tu the dance floor.*

**Photos by Shelley Lauzon**



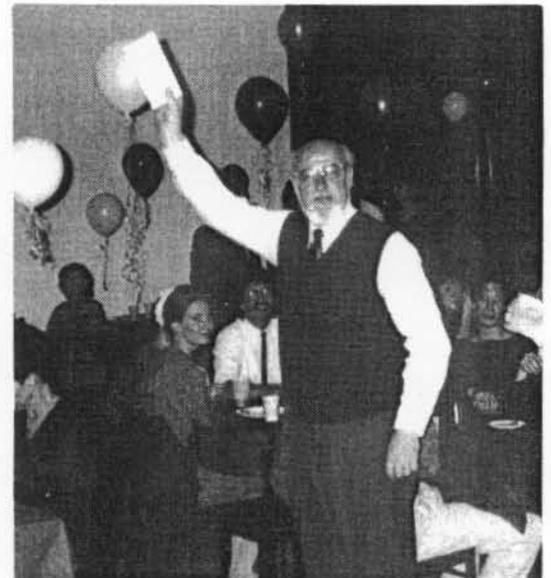
*Anya Waite was one of the lucky door prize winners.*



*"Santa's Helper" Hovey Clifford presided at the door prize drawing.*



*Gail and Neil McPhee enjoyed a break from the dancing.*



*John Farrington was another door prize winner. John won a gift certificate to Pier 1 Imports.*

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## Technology Innovation Awards 1993

Twenty-nine proposals requesting \$940,000 were received for the various technology innovation program awards in 1993. A total of \$180,000 was awarded to the ten projects listed below.

These competitive annual awards are designed to stimulate new approaches to oceanographic instrumentation development by encouraging collaboration among scientists and engineers as they seek answers to some of the critical questions about how the ocean works and what role it plays in global climate change.

Scientists and engineers submit short proposals which outline their hypotheses, designs, project concepts and budgets. The proposals are then reviewed by a panel of their peers and awarded on the basis of creativity and innovation in meeting a special instrumentation need. Support for each of these awards is listed in bold print.

### *A Deep Acoustic XBT (AXBT)*

Raymond Schmitt, David Herold, Mark Johnson

**Cecil H. and Ida M. Green Technology Innovation Award**

### *Remotely Operating Radon Measurement System: Feasibility Study*

Lary Ball

**W. M. Keck Technology Innovation Award**

### *A New Approach to Large Volume Filtration of Seawater*

Sean Kery, Walter Paul, Michael Bacon and Terence Hammar

**W. M. Keck Technology Innovation Award**

### *Development of In Situ Temperature Sensing for Hydrothermal Fluid Sampling from Alvin and Jason, and Conceptual Design of a New Fluid and Gas Tight Sample*

Barrie Walden, Daniel Fornari, Jeffrey Seewald, Andrew Bowen and Dudley Foster

**W. M. Keck Technology Innovation Award**

### *Tuned Compensation for Mooring Dynamics*

Nathan Ulrich and Mark Grosenbaugh

**W. M. Keck Technology Innovation Award**

### *A Benthic Flux Chamber for the Determination of Solute Transport Across the Sediment-Water Interface and Sediment Irrigation Rates*

William Martin

**Coastal Research Center and W.M. Keck Technology Innovation Award**

### *Development of an Anemometric Vorticity Meter to Study Aspects of Atmospheric Shear-Driven Flows*

James Edson, Eugene Terray and Albert Williams 3rd

**Walter A. and Hope Noyes Smith Studies Fund and W. M. Keck Technology Innovation Award**

### *Incorporation of HDTV into the VPR*

Cabell Davis and Scott Gallagher

## Coastal Research Center Award

### *Measurements of the Rheology of Cohesive Sediments using Shear Wave Acoustical Techniques*

David Aubrey, James Irish and Wayne Spencer

**Coastal Research Center Award and W. M. Keck Technology Innovation Award**

### *Demonstration of Remote Access Tools for Future At-Sea Oceanography*

Andrew Maffei and Ken Stewart

**George K. Moss**

## Black History Month Activities Scheduled in Wood Hole

The U.S. Coast Guard's Jazz Ensemble, "The Masters of Swing," will begin the 1994 Woods Hole Black History Month observances with a concert February 5 at 7 p.m. at the Lawrence School Auditorium. The Lawrence School Jazz Ensemble, a group of seventh and eighth graders under the direction of LaVada Studley, will open the performance. The concert is free and open to the public.

The theme of the 1994 Woods Hole Black History Month observance is "Empowering Afro-Americans in Environmental Organizations: Present and Future." The observances are jointly sponsored by the Marine Biological Laboratory, Northeast Fisheries Science Center, Woods Hole Oceanographic Institution, U.S. Coast Guard, U.S. Geological Survey, and the Woods Hole, Martha's Vineyard and Nantucket Steamship Authority.

James S. Hoyte of Harvard University will discuss "Empowering African Americans: The Environmental Justice Movement" February 9 at noon in Redfield Auditorium.

"The Role of Sustainable Development in Protecting Biodiversity" is the topic of a February 17 lecture by Greg Watson of The Nature Conservancy, also at noon in Redfield Auditorium.

Storytelling by Ramona Bass will take place at 10:30 a.m. February 19 at the Falmouth Public Library.

"African and African-American Music: The Aesthetic (The Notion of Beauty)" will be addressed by Hubert Walters of the University of Massachusetts, Boston, February 24 at 3 p.m. in the Meigs Room at MBL's Swope Center. The lecture will be followed by the annual Harambee (Swahili for "coming together") at 4:30 p.m. in the Swope Center. The ethnic potluck feast will feature music, an African-American art display, storytelling by Brother Blue in the Meigs Room at 5:30 p.m. and a book display and sale by Eight Cousins Children's Books.

Details of the Myrtle Baptist Church Choir Concert sponsored by the Cape Verdean Club will be announced at a later date.

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## Tax Workshop Planned for International Visitors

The International Committee is sponsoring a Tax Workshop for international visitors March 10 from noon to 3 p.m. in Clark 509.

A representative from the Internal Revenue Service's Taxpayer Assistance Program will be on hand for the workshop, as will Payroll Administrator Laurie Murphy. Individual tax return questions will be addressed and handouts will be available.

For further information contact International Committee Chair Ellen Gately at ext. 2846.

## United Way Campaign Reminder

The 1993-1994 United Way Campaign is nearing completion. Co-chairmen this year are Director Bob Gagosian and Senior News Officer Shelley Lauzon. For further information or to obtain pledge forms contact Shelley Lauzon, ext. 2270.

## Congratulations

— to Linda Amaral and Erik Zettler on their marriage September 25. Linda is a Joint Program student and Erik is a research associate, both in the Biology Department.

— to Bob and Barbara Earle Ballard on the birth January 22 of their son, William Benjamin Amyar, at Cape Cod Hospital. Ben weighed 7 lbs. 9 ozs. Bob is a Senior Scientist in the AOP&E Department and Director of the Center for Marine Exploration.

— to Robin Kaiser and Peter Gish on the birth of Sophia Marguerite Gish, January 23 at Brigham & Womens Hospital. Sophia weighed 8 lbs, 10 oz. Robin is a Senior Development Officer.

## Employee Information Telephone Number

In case of inclement weather, employees can call the Institution's information number, 457-2120 (internally ext. 2120), for information on opening and closing or other changes in normal Institution operations that may result from snowstorms or other factors.

## Staff Honors and Awards

Senior Scientist Henry Dick of the Geology and Geophysics Department was chosen Big Brother of the Year for 1994 by the Big Brothers/Big Sisters of Cape Cod and the Islands at the group's annual meeting January 23. Hank has volunteered as a Big Brother for 12 years and served on the organization's Board of Directors for seven years.

Springer-Verlag recently published a book by Scientists Emeriti Al Uchupi and K.O. Emery entitled "Morphology of the Rocky Members of the Solar System." According to the book jacket, the authors use "new satellite images and chemical and geophysical data recorded by NASA and other space agencies" to present "an updated concept of the origin of the Solar System. This portrayal is extremely well written. It focuses on the morphology of planets and their moons and the reasons for the differences between them, the underlying viewpoint being that the Solar System should be approached as a single entity rather than a group of individual planets."

## In Memoriam

The Institution announces with great sorrow the deaths of Allyn Vine, Henry A. Morss, Jr., and Dennis Sabo.

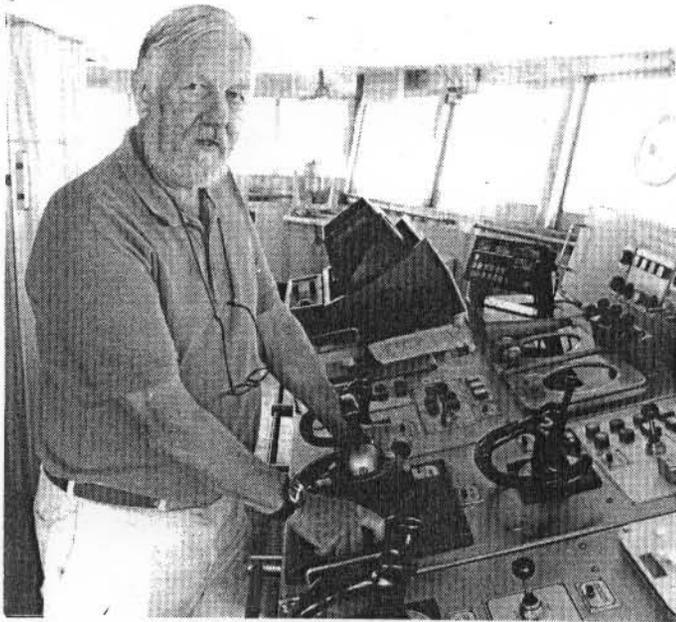
Scientist Emeritus Allyn Collins Vine died January 4, 1994 at age 79. He was widely recognized as a leading proponent for manned exploration of the deep sea. A physicist by training, he graduated from Hiram College in 1936 and received a master's degree from Lehigh University in 1940, where he was a student of Maurice "Doc" Ewing. Doc Ewing brought Vine to WHOI, and he joined the staff in 1940, serving as a physicist from 1940 to 1950, as a physical oceanographer from 1950 to 1963, and as a senior scientist from 1963 until his retirement in 1979. He remained active at WHOI until his death.

Al Vine's many contributions to oceanography and to the World War II effort included redesigning the bathythermograph (BT), a now common instrument to measure temperature at depth, for use on moving ships and submarines. He also helped develop underwater cameras and improved sonar systems and numerous oceanographic devices. He held six patents. A memorial service will be held at a later date. Detailed information about Al Vine's career and his many interests was circulated throughout the Institution shortly after his death; copies may be obtained from the News Office.

Henry A. Morss, Jr., an Honorary WHOI Trustee and Corporation Member, died November 29, 1993 at age 82. He received his undergraduate degree in mathematics from Harvard in 1932 and his Ph.D. in physics from MIT in 1937. He spent most of his business career, from 1936 to 1958, working at Simplex Wire and Cable, in which his family had a major interest. In 1959 he joined the staff at MIT as an administrative assistant to Robert Shrock and later to Frank Press, successive heads of MIT's Geology and Geophysics Department. During this time Dr. Morss was the main liaison between MIT and WHOI in the formation of the MIT/WHOI Joint Program. He retired from MIT in 1972.

Dr. Morss joined the WHOI Associates in 1954 and was elected a Corporation Member in 1961 and as a Trustee in 1964. He was a member of the first Development Committee from 1961 to 1964 and served on the Trustee Education Committee.

Dennis Sabo died January 24, 1994 at age 54. He worked at WHOI in the Biology Department from 1973 to 1977, studying toxins in fish blood. He left in 1977 to teach as a professor at Massachusetts Maritime Academy. A memorial service was held January 27 at Massachusetts Maritime Academy.



Master Carl Swanson on the bridge of Knorr. The ship is due back in Woods Hole February 4.

## Ship Notes

### ATLANTIS II/ALVIN

R/V *Atlantis II* and DSV *Alvin* were scheduled to arrive in Acapulco, Mexico, January 27, completing Leg IX of Voyage #131. The next leg, departing Acapulco February 2, will continue studies at hydrothermal vents along the East Pacific Rise. Twenty *Alvin* dives are scheduled to study the presence, distribution, temperature and chemistry of fluid vents associated with subduction of the ocean crust below Costa Rica. The vessels are due back in Acapulco March 3.

### KNORR

R/V *Knorr* arrived at Atlantic Drydock in Jacksonville, FL, December 21 for scheduled maintenance and the installation of a Sea Beam system. The ship is scheduled to depart by February 1, arriving in Woods Hole around February 4.

*Knorr* will depart Woods Hole February 18 to transit to Bridgetown, Barbados. The ship will embark the science party and will depart February 26 for a month-long chemistry cruise.

### OCEANUS

R/V *Oceanus* remains at Atlantic Drydock in Jacksonville, FL, undergoing a scheduled mid-life overhaul. The ship is due back in Woods Hole in April.

## Accounting Operations Helpful Hints

Due to the cost of issuing checks, individuals are encouraged to bring requests for reimbursement under \$50.00 to the Cashier's Office for petty cash disbursement. The Cashier's Office, located in Challenger House, is open for petty cash disbursements 8:30 a.m. - 4:00 p.m. Monday through Friday.

## Employee Capital Campaign Committee Seeks Suggestions for Events

The Employee Capital Campaign Committee is seeking suggestions for activities or events that provide opportunities for the WHOI community to learn more about the Institution's capital campaign and how employees can participate and contribute to its success.

A letter requesting suggestions for activities or events was sent to all employees in early January. If you have not yet returned your response to Amy Donner at Fenno House, or to any member of the Employee Capital Campaign Committee, please do so as soon as possible. If you have already returned your ideas and comments the Committee thanks you for your participation.

The Employee Capital Campaign meets regularly and will be planning several of these activities. Watch for further information in future issues of the *Newsletter*.

Members of the Employee Capital Campaign Committee are:

Jim Broda	Ken Prada
Ernie Charette	Dave Ross
Hovey Clifford	Carl Swanson
Mindy Hall	Sue Volkmann
George Hampson	Jean Whelan
Charlie Innis	Barbara Wickenden
Shelley Lauzon	Amy Donner (ex officio)
Jake Peirson	

## Exhibit Center News

In response to a growing public demand for year-round operation, the WHOI Exhibit Center at 15 School Street will observe a new operating schedule in 1994. The Exhibit Center was closed in January but will be open on Fridays and Saturdays in February and March from 10 a.m. to 4:30 p.m. It will also be open during February and April school vacation weeks.

Other changes in 1994 include closing the Exhibit Center every Monday year-round. "A suggested donation of \$1.00 per person will go into effect this year in order to help pay for an additional part-time employee during the busy summer season," Information Officer Lee Campbell notes. "Volunteers are always needed to assist visitors, answer questions, and provide brief overview programs for school groups."

Contact Sandy Murphy (ext. 2252), Gini McKinnon (ext. 2662) or Lee Campbell (ext. 2271) at the Information Office for a printed schedule of Exhibit Center hours or for further information about the volunteer program.