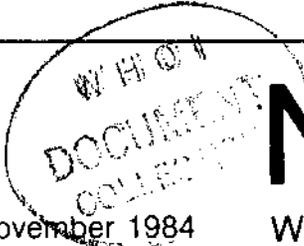




November 1984



NEWSLETTER

WOODS HOLE OCEANOGRAPHIC INSTITUTION

HAPPY THANKSGIVING -- November 22.
Enjoy the holiday!

MARCUS TO HEAD BOSTON CHAPTER OF AWIS

Nancy Marcus, associate scientist in the Biology Department, will assume the presidency of the New England Chapter of the Association for Women in Science (AWIS) this coming spring. The national organization, founded in 1971, is dedicated to the goals of promoting equal opportunities for women entering and working in scientific professions. New England's local chapter lists over 120 members and is open to all persons (male and female) who support the goals of AWIS.

Nancy reports that the national organization produces a monthly newsletter, supports a political action committee, and maintains the AWIS Registry, a data base of several thousand women in science and engineering. The AWIS Educational Foundation provides scholarships and financial support for conferences.

The New England Chapter meets once a month in Boston. Speakers for upcoming meetings include Mildred Dresselhaus (MIT), Mary Clutter (NSF), Carolyn Whitbeck (MIT), and Alison Rigby (Vivotech) on topics ranging from business aspects of biotechnology to ethics in science and technology.

For more information about AWIS or membership application forms, contact Nancy Marcus at ext. 2750.

Monday, November 12, is Veterans' Day.

WHOI CHRISTMAS PARTY SET FOR DECEMBER 15

The annual WHOI Christmas Party will again be held at the New Seabury Inn and Country Club on Saturday, December 15. The festivities will include an optional dinner scheduled for 6 to 8 p.m. (choice of baked stuffed shrimp or filet mignon with soup, salad, potato, vegetable, and dessert). The traditional party will begin at 8 p.m. with John Salerno and his 12-piece band providing a variety of dancing music. Hot and cold hors d'oeuvres will be served throughout the evening.

Tickets will soon be available from representatives in the various buildings: Jeanne Young (Clark 200), Retha Charette (Quissett Warehouse), Alice Tricca (McLean Lab), Terri Monroe (Redfield House - 14 Maury Lane), Steve Edwards (Crowell), Doreen Perito (Challenger), Jane Peterson (Redfield Lab), and Linda Ferreira (Smith Lobby). Prices are: \$5 each -- Party Only, WHOI employee and first guest; \$6 each -- Party Only, additional guests; \$19 each -- Dinner and Party, WHOI employee and first guest (gratuity included); \$20 each -- Dinner and Party, additional guests (gratuity included).

Dinner tickets can be purchased until December 7. Refunds will be made until this date. Party tickets will be available until December 13; no refunds after this date. Checks should be made out to W.H.O.I. for the full amount. If purchasing dinner tickets, please specify meat or seafood.

Last year over 300 persons attended the Christmas Party and a good time was had by all. If you have any suggestions for this year's party or wish to help with the arrangements, please contact Anne Rabushka, ext. 2271, or any of the following committee members: Laura Doyle, ext. 2738; Ann Hart, ext. 2782; John Pomer, ext. 2550; or David DuBois, ext. 2586.

JOINT PROGRAM OFFICE AT MIT RELOCATED

As of Monday, October 29, the MIT/WHOI Joint Program Office has been relocated to Room 5-206, which is near the main entrance to MIT at 77 Massachusetts Avenue. Phone extensions will remain the same (253-7543 and 253-7544).

MARINE TURTLE NEWSLETTER MOVES TO WHOI

Nat B. Frazer, Research Fellow, MP&OM, has recently assumed the editorship of the Marine Turtle Newsletter (MTN). Since its inception at the University of Toronto in 1976, the MTN has grown to a circulation of over 800 recipients in 80 countries throughout the world. It provides a vehicle for the rapid dissemination of important scientific information relating to the management and conservation of marine turtles. For example, the MTN carried the first reports on the long maturation time of sea turtles, the presence of magnetite in sea turtles (as a possible means of long-range navigation), and the sex ratio in sea turtles being dependent on incubation temperature of their eggs.

Nat notes that the management and conservation of sea turtles is difficult due to their migratory nature. Nesting beaches in one nation may be thousands of kilometers away from feeding areas in waters under the jurisdiction of another country. In their travels between feeding and nesting grounds, turtles may cross many national boundaries. "Thus, the need for communication among scientists, government officials, and conservationists across these same national boundaries cannot be overemphasized," he reports.



DONNELLY RECOVERING

Jack Donnelly, manager of marine operations, is recovering from a heart attack suffered several weeks ago. Barbara Martineau reports that he is out of the hospital and now at home, but does not yet know when he'll be able to return to work. Best wishes for a speedy recovery, Jack!

ADDITIONS TO WHOI FAMILIES

Congratulations go out to several WHOI families. On October 8, Nancy Copley and Ray Schmitt became the parents of a 7 lb., 3.5 oz. son, Daniel Copley Schmitt, at Jordan Hospital in Plymouth. Nancy is a research assistant in the Biology Department and Ray is an assistant scientist in P.O. Ellen Druffel and Steve Rodriguez welcomed Kevin Charles Druffel-Rodriguez on October 20 at Jordan Hospital. Kevin weighed in at 7 lbs., 11 ozs. Ellen is an assistant scientist in Chemistry. On August 28 Lynette and Will Clarke greeted Chelsea Kristin at home. Chelsea weighed 7 lbs., 12 ozs. Lynette is a research assistant/project coordinator in Chemistry and Will is a senior research assistant in the same department. And Ruth and Lawrence Poppe adopted a baby girl, Kathryn Theresa, who was born on September 12. Ruth is a research assistant in the Systems and Procedures Office and Lawrence works for USGS.

IN MEMORIAM

The Institution sadly reports the untimely death of Christine N. (Johnson) Anderson, 32, after a brief illness.

A native of East Falmouth, Chris joined WHOI in 1970 after graduating from Lawrence High School. She first worked in Graphic Services, later moving to the Chemistry Department where in February 1979 she became the first secretary from any of the scientific departments to be promoted to Secretary IV.

Chris was married to Robert F. Anderson, a 1981 Joint Program graduate. The Andersons moved to Nyack, N.Y., in 1981, taking positions at the Lamont-Doherty Geological Observatory.

PATENTS AND PATENTING

by F. R. Hess, Secretary
Inventions and Patents Committee

Patents. To many of us the word conjures up the picture of the somewhat eccentric inventor, struggling to prove that his latest invention really does allow him to get 100 miles per gallon on his family car and trying to keep it out of the hands of those evil men in Detroit and Houston who would bury it where mankind would not reap the potential benefits. The real world of patents is somewhat more prosaic, although frequently filled with drama.

Patents awarded to members of the Institution staff may have one (or more) of the following purposes:

1. To define proprietary rights to a process or device for the purpose of deriving Institutional income from the licensing of that process or device to industry.
2. To place a process or device into the public domain so that no one else can derive profit from the development. This is frequently the reason that the government patents so many things which, at first glance, would not appear worth patenting.
3. To establish a recognized field of expertise, i.e., to stake out a claim, such that anyone coming into the field will see that a suite of patents is owned by the Institution in that area. This would logically lead to research program sponsorship or licensing fees which could be applied to research.
4. To enhance one's professional status. Since the process of obtaining a patent consists largely of critical examination and defense of the newness of the idea, it is generally recognized as demonstrating originality on the part of the inventor.
5. For personal financial reward. With the Institution's patent policy, this is a real possibility.
6. To fulfill the requirements of most of our Government research contracts. Most contracts require that patentable ideas or inventions be disclosed in a timely and complete manner.

Briefly, the Institution's patent policy (Institution Memo 9-63) provides

that any income derived from the licensing of a patent awarded to any WHOI employee will be divided equally between the Institution and the inventor(s). This is far more generous than is found in industry.

Recent changes in the government policy on patents filed by contractors (us) have changed the order of precedence. As now written, the Contractor (WHOI) gets first rights to the filing. If the Contractor (WHOI) declines to file, the rights revert to the individual inventor. If the Inventor declines to file, the contracting agency may file to protect the government from having to pay licensing fees and/or to place the invention in the public domain. In all cases, the government retains rights to license-free useage of the patent for purposes of the U.S. government. This does not interfere, in general, with commercial exploitation of the patent by the Institution and/or the Inventor(s).

If you have questions, see your department representative on the Inventions and Patents Committee listed in the WHOI phone directory.

(Next issue -- "What is necessary to file a patent?")

IN MEMORIAM

The Institution reports with sorrow the death of F. Claude Ronne September 29 at age 74.

Claude joined the WHOI staff in 1944 as a darkroom assistant, participating in a variety of meteorological air flow experiments. In 1954, he was promoted to photographic research associate. He performed photographic studies of Hurricane Daisy in 1958 and developed the use of time-lapse photography to study cumulus clouds over the Pacific Ocean in 1959. This technique was also used in studies of sea surface waves done in collaboration with New York University. In 1969, Claude was promoted to research specialist in the O.E. Department, working with Sandy Williams on a number of experiments until his retirement in 1974.

NOVEMBER EVENTS

1985 WHOI CALENDARS AVAILABLE THIS MONTH

The 1985 version of the WHOI Calendar will go on sale at the stockroom later this month. The calendars (approximate cost -- \$2.15) will feature photos from various departments and cruises. Holidays and important WHOI dates will be highlighted. New ship postcards are also available at the stockroom.

CHASE TO SPEAK AT SCIENCE EDUCATION CENTER

Bob Chase, research specialist in the Physical Oceanography Department, will give an illustrated lecture on satellite oceanography November 11 as part of the Science Education of Cape Cod's 1984 "Horizons: Far and Near" lecture series.

The talk, scheduled for 2:30 p.m. at the parish hall of the Unitarian Church, Route 6A and Phinney's Lane, Barnstable Village, will trace the history of ocean observations, from sailing ships to satellites. Emphasis will be on present technology which allows continuous monitoring of the oceans, helping scientists to better understand earth's climatic changes such as El Nino and other phenomena.

NOVA AQUACULTURE SHOW TO AIR NOVEMBER 13

Aquaculture began in China more than 4,000 years ago and is now practiced throughout the world. Farmers of the Sea, a new production in the WGBH NOVA series to air on Channel 2 November 13, takes viewers to four continents and three oceans, exploring the breadth and depth of this increasingly popular way of harvesting aquatic resources.

This 56-minute film traces aquaculture's beginning, examines its more recent successes in Japan, and looks at its competitive edge over wild fisheries in Europe. The documentary questions the future of aquaculture in the United States and shows its potential for helping the people of developing nations feed themselves.

HABLE ESPANOL AT THE BUTTERY

Tired of speaking English all day? If so, try the Spanish Table at the Buttery at noon on Fridays. Established by Kathy Scanlon, USGS, as a means of improving her conversational Spanish, the informal group welcomes all levels -- from beginners to fluent native speakers. Attendance has been growing each week. And remember, no English allowed!

PERSONNEL NOTICES

Performance reviews are due in the Personnel Office by November 16.

November 30 is the deadline for promotion recommendations.

NEW ENGLAND AQUARIUM -- "OUT OF SIGHT"

The New England Aquarium has on exhibit (until January) a collection of scanning electron photomicrographs. The show, entitled "Out of Sight," focuses on two habitats, a Boston Harbor piling and a Carolina bog.

CONVERSATIONS WITH THE EARTH AT CAPE COD MUSEUM OF NATURAL HISTORY

Dr. Thomas McMahon, a biologist-engineer-novelist and author of On Size and Life, will be the featured speaker at the Cape Cod Museum of Natural History's November 10 "Conversation with the Earth." On Size and Life was the basis of the BBC show "Animal Olympians," which will also be shown at the meeting. Other Saturday "Conversations" are: Nov. 24 -- "Sharks vs. Marine Mammals" by George King; and "Design in Nature/Nature in Design" by Dr. Robert Pyle. "Conversations" start at 2 p.m.; admission is \$2.

NEWSLETTER NOTICES -- Please send items of interest to the oceanographic community to Anne Rabushka, editor, Co-op, ext. 2271.

WICKENDEN WELCOME AT WOMEN'S COMMITTEE

The WHOI Women's Committee will have an open meeting on Thursday, November 15, from 5 - 6:30 pm at Fenno House. Barbara Wickenden, the new Personnel Manager, will be introduced. All WHOI employees are invited to attend.

STOCKROOM NOTES

- * The stockroom will be closed all day Friday, November 23, 1984, for the annual inventory.
 - * Winter specials: Anti-freeze for \$3.15 a gallon. Dry gas for 30¢ per 12 oz. bottle.
 - * Ship tiles of the KNORR, A-II, OCEANUS, and ALVIN are available at \$2.84 plus tax. They make great Christmas gifts!
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CAPE COD MARATHON CIRCLES WHOI NOV. 18

The seventh annual Cape Cod Marathon will be run Sunday, November 18, at 11 a.m. The race will begin and end in the center of Falmouth and travels through all but one of the villages of Falmouth. The course passes the Redfield Laboratory at about mile 20.5 and the Oyster Pond entrance to the Quissett campus at mile 23. If you'd like to see the race leaders, try to be at these locations by 12:30 and 12:45, respectively. Volunteer track monitors are needed. Contact organizing committee member Nan Weiss, ext. 2392, for more information, for race applications, or to volunteer for a race day work assignment.

MARINE PHOTO SHOW OPENS AT SCIENCE MUSEUM

The Boston Museum of Science will be offering a display of "Marine Photos" by Chris Newbert in its Design Around Us Gallery along with a Smithsonian Institution traveling exhibit, "Pressed on Paper: Fish Rubbings and Nature Prints." Both shows open on November 10 and run until February 24. The Newbert underwater photos are from his new book, Within a Rainbowed Sea.

BENEFIT BRIEFS

Employees and their spouses, age 65 or older who are not enrolled in Medicare Part B but are covered by WHOI's group medical plan, are reminded that a special enrollment to waive the Part B penalty begins on November 1, 1984. Social Security representatives can assist you in filing for this waiver. No appointment is necessary. It may be helpful to have your birth certificate and/or Medicare card with you.

The month of November marks Open Enrollment for Group Term Life Insurance and Pilgrim Health Care plans.

This Open Enrollment for group term life insurance is being held because your rates are being reduced. At this time employees are given an opportunity to enroll in or increase the amount of coverage without evidence of insurability. New applications and changes will be accepted through November 30.

The GREF unit value dropped to \$66.75 on September 30th from \$66.91 on August 31st.

UNITED WAY CAMPAIGN UNDERWAY

The 1984 United Way Campaign is in full swing. Gifts may be made by cash, check, credit card (Visa or Mastercard -- minimum \$15) or through the Institution's payroll deduction plan.

If you have recently given through the mass mailing program, please contact Nat Corwin, Clark 413, ext. 2822, so that the WHOI portion of the drive can be credited with your contribution.



NEW FACES

November 1984



Philip Alatalo
Research Assistant
Biology
Redfield 1-12/x2750
N. Marcus



Mark A. Altabet
Postdoctoral Scholar
Chemistry
Clark 439/x2551
W. Deuser



Janice Campbell
J. P. Student
Physical Oceanography
Clark 355/x2870
D. Chapman/C. Wunsch



Phillip Canedy, Sr.
Painter's Assistant
Facilities
L'Hirondelle/x2419
E. Phares



Dean E. Cycon
MP&OM Fellow
MP&OM
Swift/x2493
D. Ross



Steven F. Edwards
MP&OM Fellow
MP&OM
Crowell/x2610
D. Ross



Peter J. S. Franks
J. P. Student
Biology
Redfield 2-26/x2313
P. Wiebe



Hans C. Graber
Postdoctoral Scholar
Ocean Engineering
Bigelow 105/x2237
W. Grant



Finn Laursen
MP&OM Fellow
MP&OM
Swift 204/x2775
D. Ross



Christina Light
Research Assistant
Physical Oceanography
Clark 311A/x2779
R. Weller



Phillip S. Lobel
Assistant Scientist
Biology
Clark 424/x2571
J. Teal



E. Paul Oberlander
Graphics Technician
Graphic Services
Blake 206/x2720
F. Heide

PROMOTIONS AND OTHER PERSONNEL CHANGES

Recent promotions include:

- MICHAEL BACON - Chemistry - from Associate Scientist to Assoc. Sci. with Tenure.
CONSTANCE A. BRACKETT - from Assistant Affirmative Action Administrator/Housing Coordinator in Administration to Affirm. Action Admin./Housing Coordinator in Personnel.
KENNETH H. BRINK - P.O. - from Assistant Scientist to Associate Scientist.
WILLIAM D. GRANT - O.E. - from Associate Scientist to Assoc. Sci. with Tenure.
DAVID L. HAYDEN - R/V OCEANUS - from Acting 1st Assistant Engineer to 1st Assistant Engineer.
HARRY E. OAKES - R/V KNORR - from 1st Assistant Engineer to Chief Engineer.
JANE M. PETERSON - Biology - from Secretary IV to Research Assistant II.

Recent transfers include:

- CHARLOTTE M. FULLER - Research Assistant II - from Biology to O.E.
CATHERINE H. FERREIRA - Staff Assistant - from Administration to Personnel.
BARBARA J. SYLVESTER - Housekeeper - from Administration to Personnel.

Recent appointments include:

- MARK A. ALTABET - Chemistry - Postdoctoral Scholar.
DEAN E. CYCON - MPOM - Marine Policy Fellow.
STEVEN F. EDWARDS - MPOM - Marine Policy Fellow.
HANS C. GRABER - O.E. - Postdoctoral Scholar.
FINN LAURSEN - MPOM - Marine Policy Fellow.
GIULIO PONTECORVO - MPOM - Visiting Invest.
KOZO TAKAHASHI - G&G - Assistant Scientist.
PETER F. WATSON - P.O. - Visiting Invest.

WHO READS WHAT AND WHEN?

Speaking at the recent International Association of Marine Science Libraries and Information Centers (IAMSLIC) conference in Woods Hole, MBL assistant librarian Catherine Norton reported that 56% of the total journal usage at the MBL/WHOI Library centered around the journals that were received during the 10-month survey period. The Journal Use study also showed that 65% of the total use centered around 252 titles which were used more than 100 times each.



William S. Spitzer
J. P. Student
Chemistry
Clark 451/x2554
W. Jenkins



Kurt A. Straube
Research Assistant
Ocean Engineering
Bigelow 208/x2729
M. Jones



Kozo Takahashi
Assistant Scientist
Geology & Geophysics
Clark 110/x2814
R. Von Herzen



Gui-Zhong Wang
Guest Investigator
Biology
Redfield 1-12/x2750
N. Marcus



Bryan S. Way
Research Assistant
Physical Oceanography
Smith 117/x2229
J. Valdes



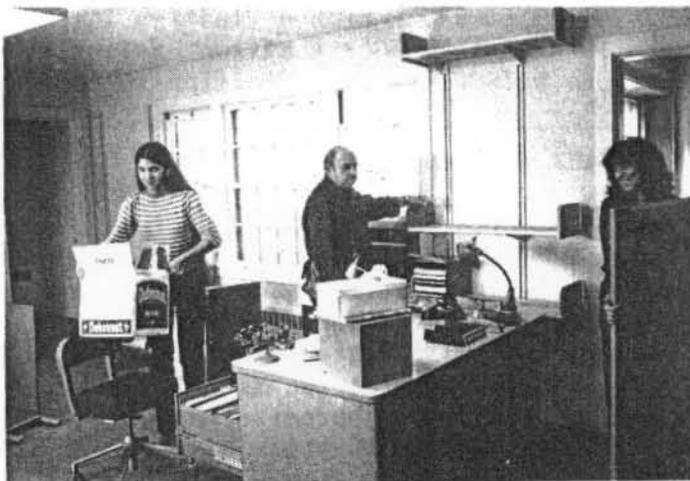
OCEANOGRAPHIC SHIP NOTES

ATLANTIS II and ALVIN have just completed a series of dives out of San Diego to orient and indoctrinate Navy personnel, including the Assistant Secretary of the Navy Melvyn Paisley. A-II departs November 7 on a one-week cruise (Leg XV of Voyage #112) to perform engineering tests of ALVIN sampling equipment. She will return to San Diego on November 13. On October 31, the Development Office held an Open House for industry representatives on board the A-II to give them a chance to learn about research off the west coast and to talk to the crews of A-II and ALVIN. Paul Dudley Hart reports that the event was a hit, as was the buffet prepared by A-II steward John Lobo (which included New England lobster brought out to the West Coast by Paul, personally).

KNORR continues on Leg II of Voyage #110, the purpose of which is to collect sediment core samples from the Ceara Rise in the equatorial Atlantic. KNORR is due to arrive in Bridgetown, Barbados, on November 16.

OCEANUS departed Ponta Delgada, Azores, on October 30 on Leg IV of Voyage #158. During the cruise 16 SOFAR floats were deployed as well as three transponding beacons for the Physical Oceanography Department. OCEANUS returned to Woods Hole on November 4.

LULU arrived safely in San Diego on October 29.



Julie Andrade (left) and Susan Knox made the move into their new quarters at 14 Maury Lane on October 31 as carpenter Freddie Brauneis installs additional shelving.

WHOI RENOVATIONS -- STATUS REPORT

A number of WHOI buildings have undergone renovation or are now being remodeled to meet specific scientific or administrative needs. These changes are: WAREHOUSE -- the second phase of construction has been finished, giving WHOI 21,000 square feet of storage space under one roof. This exceeds the space in the Falmouth warehouse, contents of which are now being transferred. The third phase of construction will be completed next year, adding another 6,000 square feet.

COASTAL RESEARCH CENTER -- Two dormers have been added, doubling the size of the offices on the south side of the building. Environmental chambers are now being installed for Judy Capuzzo, who has moved to CRC from ESL. CHALLENGER -- General renovations and a cosmetic spruce-up have been completed. All Accounting and Travel personnel have moved back into their quarters.

14 MAURY LANE (REDFIELD HOUSE) -- The temporary location for Accounting while Challenger was being refurbished is now the new permanent quarters for Personnel. The unfinished basement and garage are now undergoing renovation and will house Affirmative Action/Housing by the end of the month.

FENNO HOUSE -- The second floor has been refurbished. CAMS (Center for Analysis of Marine Systems) will take over one-half of the floor. The other offices will be assigned to scientists emeritus as well as visiting and guest investigators.

BELL HOUSE -- One of the more recent acquisitions of the Institution, Bell House (the driveway leads out toward the Fenno House kitchen entrance) has been rewired, insulated, painted inside and out, has had a new heating system installed and a general renovation. USGS personnel are occupying this building.

CARRIAGE HOUSE -- Modifications to the kitchen have been completed.

REDFIELD LABORATORY -- Renovations are now underway (the "ripping out" phase, according to Bill McKeon). Remodeled chemistry labs should be finished by April 1985.

BLAKE BUILDING -- The Deep Submergence Laboratory will move its offices up into the vacated Personnel offices, allowing expansion of laboratory working space in the basement. No major modifications will be made until next year.