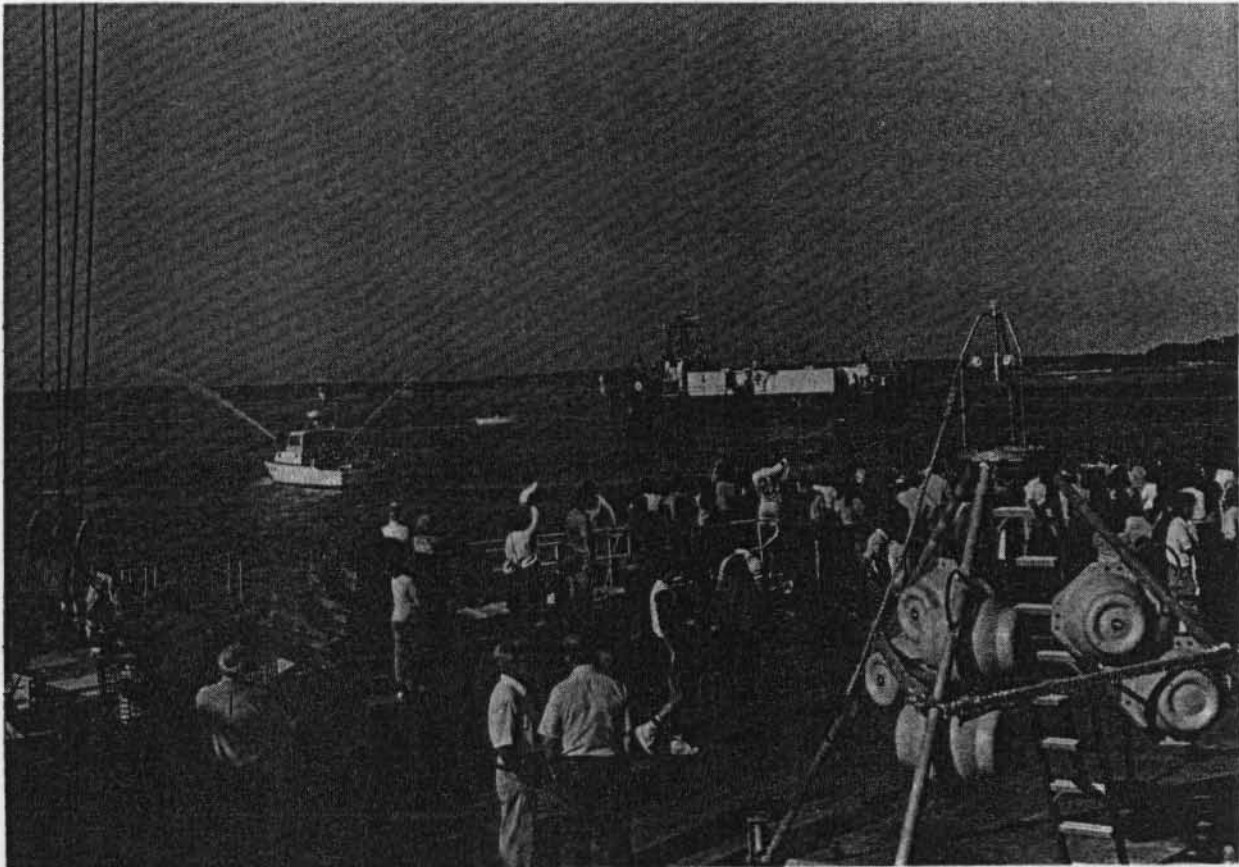




NEWSLETTER

September 1982

WOODS HOLE OCEANOGRAPHIC INSTITUTION



The Coast Guard provided an escort as ALVIN and LULU returned home August 19. Photo by Vicky Cullen.

ALVIN AND LULU RETURN TO WOODS HOLE AFTER TRAVELING 20,878 MILES IN 390 DAYS

A large crowd was on hand August 19 to welcome ALVIN and LULU home. The vessels departed Woods Hole July 25, 1981, and spent most of the following 390 days in the Pacific. LULU steamed 20,878 miles and ALVIN made 136 dives during the extended voyage (more photos on page 2).

ATLANTIS II extended its greetings with signal flags and a bow sign. The WHOI flag flew from the Iselin flagpole, balloons decorated the pier behind Bigelow, and a large sign hung from the building proclaiming the voyage statistics. Sam Raymond, Charlie Innis, Eddie Scheer, and Robert Zimmerman provided homecoming music as the crowd anxiously awaited the vessels'

arrival. One of the more unusual greetings was provided by the daughters of ALVIN crew chief George Broderson. Dressed in pink outfits with top hats and tails, they held a sign which read: "Old Lovable Fan Club."

ALVIN and LULU departed the following week for the first of a series of fall cruises in the North Atlantic.

ASSOCIATES DAY OF SCIENCE IS OCTOBER 8

The annual Associates Day of Science will be held Friday, October 8. Associates and their guests will visit Institution facilities during the day, and all employees are asked to extend their welcome. Monday, October 11, is Columbus Day. Enjoy the holiday and long weekend!



Photos top row left and right, middle row right by Vicky Cullen; middle row center by Shelley Lauzon; middle row left and bottom by Dave Gray.



WELCOME HOME, ALVIN AND LULU!!!

ATLANTIS II extended its greetings (top left). The WHOI flag flew from the Iselin flagpole (top right). A large sign proclaiming the voyage statistics hung from the back of Bigelow (middle row, left). The sign was made by Bob Kelley of Graphic Services (middle row, center). Sam Raymond, Charlie Innis, Eddie Scheer, and Robert Zimmerman (middle row, right from left to right) provide some music. ALVIN crew chief George Broderson's welcome (bottom left).

SPINDEL NAMED O.E. DEPARTMENT CHAIRMAN

Director John Steele has announced the pointment of Senior Scientist Robert Spindel as chairman of the Ocean Engineering Department effective October 18, 1982. Bob will succeed Earl Hays, who is stepping down from his post but will remain at the Institution as a senior scientist.

Earl Hays has served as chairman of the Department of Applied Oceanography for five years, chairman of the Department of Geophysics for one year, chairman of the Department of Geology and Geophysics for two years, and chairman of the Ocean Engineering Department for eleven years.

"Earl has contributed significantly to these departments and the Institution during his time as chairman," Dr. Steele said in making the announcement. "I am pleased to know that Bob Spindel has the full support of the Ocean Engineering Department in his new post and look forward to working with him."

MIT SHUTTLE BEGAN SEPTEMBER 10

The WHOI station wagon began shuttle service September 10 to MIT on the three days week schedule - Monday, Wednesday, and Friday. Eric Edwards is the driver.

Pick-up and delivery service at MIT and surrounding areas is available. Leave messages or packages with the guard in the Smith Lobby where Eric picks up the keys to the station wagon. Remember to leave explicit instructions. Eric checks in with the Education Office around noon on shuttle days and messages may be left with that office.

UNKNOWN OCEANOGRAPHER AIDS CRUISE PASSENGER IN DRIFT BOTTLE EXPERIMENT

About two years ago, A.E. Balloch of Wilton, Connecticut, was a passenger on the M/V ROYAL VIKING STAR during a Pacific cruise. He claims a scientist from WHOI was aboard, and that under his guidance bottles were cast into the ocean near the Equator. The scientist, whose name was forgotten, asked that any results be reported to WHOI.

Mr. Balloch's bottle with his home address inside was thrown from the ship at noon Jan. 14, 1981, at 0°07'S 142°W. The bottle was found Aug. 6, 1982, at Madang, Papua New Guinea, by a boy on his way home from school. The results have been sent to WHOI, but who is the unnamed scientist???

MICROBIOLOGIST AWARDED TENURE

Associate Scientist Craig Taylor of the Biology Department has been awarded tenure.

Craig received his B.S. and M.S. degrees from Portland State University and M.S. and Ph.D. degrees from the University of Illinois. He held positions as teaching assistants at Portland State and the University of Illinois and as a graduate fellow at the University of Illinois before his WHOI appointment in 1973 as a post-doctoral investigator. He was named an assistant scientist in 1974 and an associate scientist in 1978.

His research interests include biochemistry, microbial physiology, and microbial ecology; physiology and ecology of methane bacteria; ecology of anaerobic microbial food chains; and the study of the physical chemistry of high pressure systems as it relates to the physiology of microorganisms.

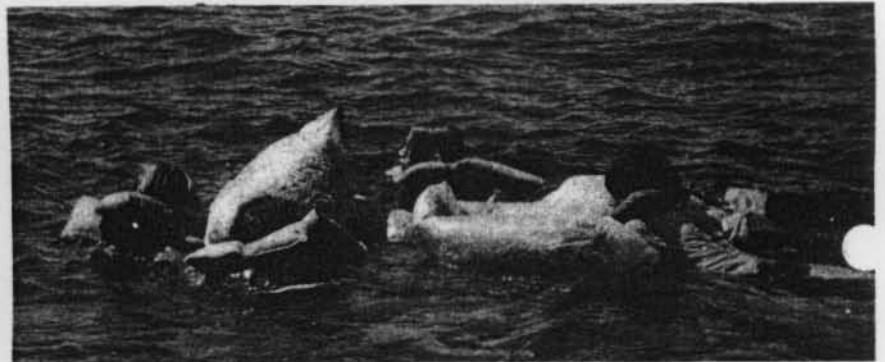
FOUND: A bracelet September 7 on the walkway between Redfield and Swift House. It can be claimed by contacting Jane Peterson, Redfield 2-06, ext. 2315.



Richard Simpkin does some painting during a recent OCEANUS cruise. Photo by Freddie Valois.



Photos by
Shelley Lauzon



ANYTHING BUT A BOAT REGATTA DELIGHTS CROWD

The third annual Anything But a Boat Regatta got underway just after noon August 29 in Great Harbor and was over all too soon for the crowd of more than 1,000 that lined the Fisheries jetty, MBL dock, and the waterfront area in between.

After some instructions from race codirectors Linda Graham and Steve Boyd, the entrants entered the water in their unusual craft on the sound of Steve's trusty flintlock gun (which actually worked!). MacDougall's styrofoam "Ocean Craps" with 14 paddling people aboard quickly covered the course and easily won over the 17 other contestants, but the other entries provided lots of entertainment for viewers and participants alike. MacDougall's was awarded the ORE circulating bowl and a case of champagne donated by John and Evelyn Steele. (In the spirit of "uncompetition," they won't be allowed to enter that craft next year!)

Top: the waterfront before the start of the race; bottom left: "Waterwalker/Spiritualist"; bottom right: "Joe Ladder" (where's the ladder???)

Glenn Sasaki and Dale Leavitt provided another surprise attraction. Slingshotting water balloons from "Death Star" as the entries began the race, Glenn and Dale abandoned that in favor of a pump-powered fire hose which wet both entries and the finish line crowd before it was turned off, much to the crowd's delight.

"Orca I," or Ed Cohen dressed like a shark, and "Sow's Ear III" with Jim Cleary aboard an inner tube equipped with a fin for propulsion tied for second place. Both received a Linda Graham designed "Loco Motion" T-shirt.

Third place went to "Scabfish," powered by Benthos's Ron Arsenault and an unidentified friend. Fourth place was awarded to Cliff Harper and two friends or "Nautilus II," and fifth place went to ORE's "Trimoron." (Linda and Steve ask that contestants contact them before throwing pieces of their craft away!)

Creative entries, a few of which were not very seaworthy, were matched with ten more creative names. "Bubble, Bubble, Toil and Trouble" was a MOCNESS plankton net full of balloons powered by Valerie Barber, Dickie Allison, Rindy Ostermann and a friend. "Waterwalker" didn't walk at all and handily won the award (a styrofoam float with gold lettering) for least seaworthy for the many times it had to be steadied after capsizing. A Rube Goldberg fishing device was given to "Kon-Taki" for "most confusingly intricate" entry. A barnacle-covered coffee cup was awarded to NMFS's Dave Potter on "Gossamer Goldfish" for the longest time spent on the course.

WHOI had its share of entrants again this year as Doug Grosch, Becky Belastock, Margaret Sulanowski, Marcia Pratt, Mike Bacon, Hein de Baar, Deborah Shafer, Pat Biesiot, Steve Lohrenz, Stan Deane, Randy Dick, Trina Wellman, and others did their best on the course. The water balloon brigade of Pat O'Malley, Carol Rogers, and Terry and Maggie Rioux kept contestants wet, while Ted Spencer, John Burke, and Don LeBlanc kept order in Great Harbor in their patrol boats.

Contestants were invited to quench their thirst on the Co-op lawn after the race with refreshments provided by Jim Love of Ocean Industry Magazine. For all, the spirit of "uncompetition" made the day an enjoyable, and unforgettable, one.

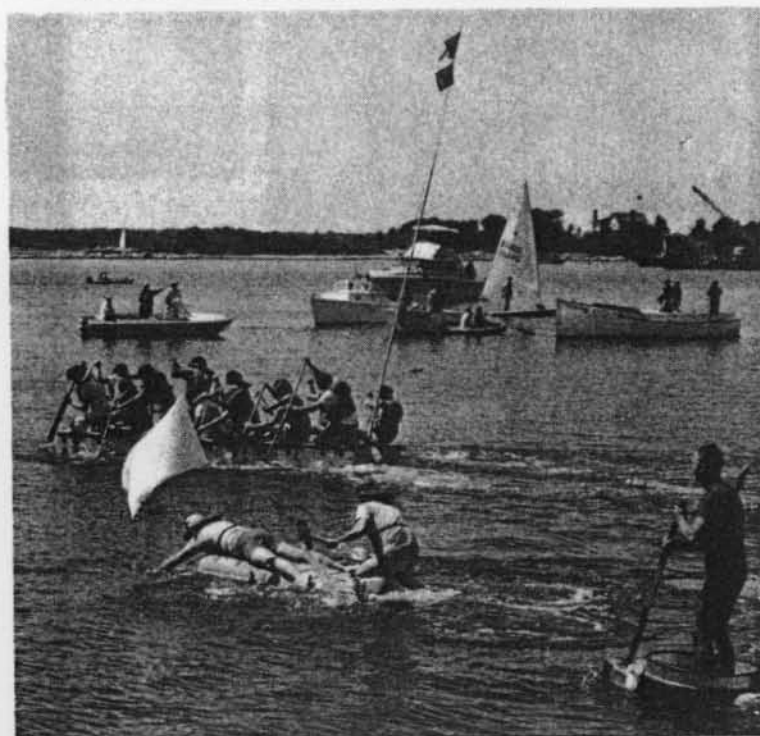
Below: "Kon-Taki" with paper maché flamingo.



"Bubble, Bubble, Toil and Trouble" and "350 Special"



"Nautilus II" races for the finish line.



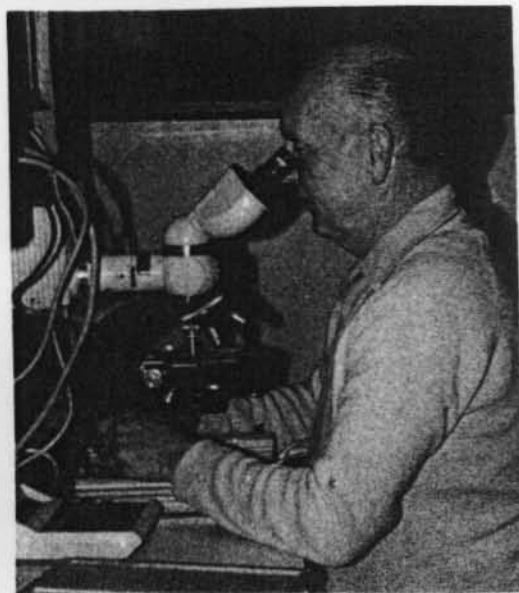
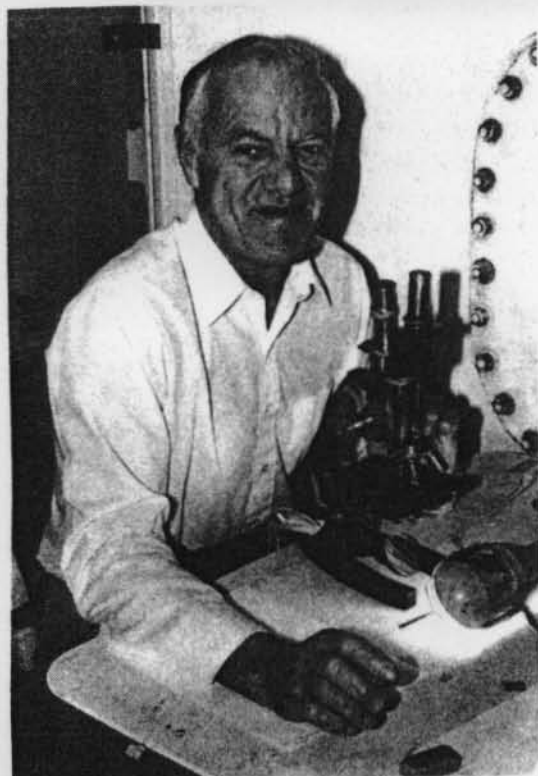
From left to right: "Ocean Craps" (winner), "Scabfish" (3rd place), and "Sow's Ear III" (tied for 2nd place).



SOME SCENES FROM SEA

Top left: Assistant Scientist John Waterbury of the Biology Department extracts samples from a syringe set-up on the fantail of the University of Miami's CAPE FLORIDA during a July cruise. Top right: R/V CAPE FLORIDA, one of the two new research vessels built last year with NSF-funding. Middle row left: Joint Program student Beth Snowberger takes a water sample from a Niskin bottle. Middle row right: Associate Scientist Mac Hulburt takes a break from counting phytoplankton samples during an OCEANUS cruise. Bottom row left: John Waterbury (left) and Joint Program student Jill Scharold take samples from the syringe set-up on the CAPE FLORIDA. Bottom row right: Chief Scientist Stan Watson counts synechococcus cells in his cabin on the CAPE FLORIDA.

Photos by Freddie Valois.



FUNDING ANNOUNCEMENTS

The Institution has received funding to support work under the direction of the following scientists.

From the National Science Foundation:

- to Bob Gagosian for "Organic Geochemical Studies of the East Pacific Rise Hydrothermal Vents," \$60,468;
- to Ken Peal for "Shipboard Technician Support," \$96,734;
- to Bob Dinsmore for "Shipboard Scientific Support: Equipment - Oceanographic Cable," \$265,551;
- to John Dacey for "Knudsen Transitional Flow and Pressurized Ventilation in Aquatic Macrophytes," \$59,664;
- to Jack Donnelly and George Grice for "Support for Deep Submergence Research Vehicle (DSRV) ALVIN Program," \$1,311,000;
- to Doug Webb, Al Bradley, Art Voorhis, and Jim Luyten for "Development and Evaluation of a Bottom Mounted, Acoustically Tracked Ocean Current Profiling Instrument (POP-UP PROFILER)," \$244,000;
- to Fred Sayles for "Seawater-Sediment Interaction: The Diffusive Fluxes of Ions Between the Oceans and the Underlying Sediments," \$118,179;
- to Ellen Druffel for "Collection and Preliminary Radiocarbon Analyses of a Long Core of Australian Coral," \$48,907;
- to Bruce Corliss for "Quaternary Thermohaline Circulation in the Southern Ocean," \$59,000;
- to Geoff Thompson for "Petrological and Geochemical Studies of Rocks from the South Atlantic," \$97,202;
- to Ollie Zafiriou for "Chemical Effects of Light in the Sea," \$59,010;
- to Bob Dinsmore for "Ship Operations Support," \$212,904;
- to John Teal for "Production and Species Distribution in Fertilized and Control Salt Marsh Plants," \$17,915;
- to Brian Tucholke for "Acquisition, Installation, and Initial Operation of a General Instrument Corporation SEA BEAM System," \$256,786;
- to Craig Taylor for "Transformation of Organic Compounds in the Anaerobic Marine Environment," \$112,418.

From the Office of Naval Research:

- to George Veronis and Jake Peirson for

"Summer Programs in Geophysical Fluid Dynamics," \$40,780.

From the Environmental Protection Agency:

- to John Teal for "Hydrocarbon Budget for a Polluted Marsh," \$31,067.

From Knolls Atomic Power Laboratory:

- to Fred Sayles for "Deep Ocean Experiments," \$23,534;
- to Fred Grassle for "Panama Basin Benthic Studies," \$13,000.

From the Naval Underwater Systems Center:

- to Dick Nowak for "Digital Environmental Data Gathering System," \$49,985.

From Battelle Laboratories:

- to Fred Grassle for "Georges Bank Benthic Infauna Monitoring," \$97,887.

From Sandia Laboratories:

- to Hugh Livingston and Kirk Cochran for "Radiochemical Studies in Support of the Low Level Waste Disposal Program," \$100,000.

From the Marine Biological Laboratory:

- to John Teal and John Dacey for "Controls of the Dynamics of Sulfur in a Salt Marsh Ecosystem," \$43,923.

From the University of Alaska:

- to Jon Leiby for "Arctic Research Ship Design, Phase III (Revised)," \$12,000.

From the Town of Mashpee/Massachusetts Coastal Zone Management:

- to Dave Aubrey for "Coastal Sediment Transport Study," \$29,400.

From the Town of Orleans:

- to Arthur Gaines, Dave Aubrey, Joel Goldman, and John Teal for "The Coastal Impact of Groundwater Discharge: An Assessment of Anthropogenic Nitrogen Loading in Town Cove, Orleans, MA," \$97,600.

AN AFTERNOON OF FUN IN THE SUN

An estimated 400-500 Institution employees and their family and friends gathered on the Fenno House grounds August 29 under sunny skies for the annual employee picnic. Many wore tropical attire in keeping with the picnic theme - Caribbean Carnival.

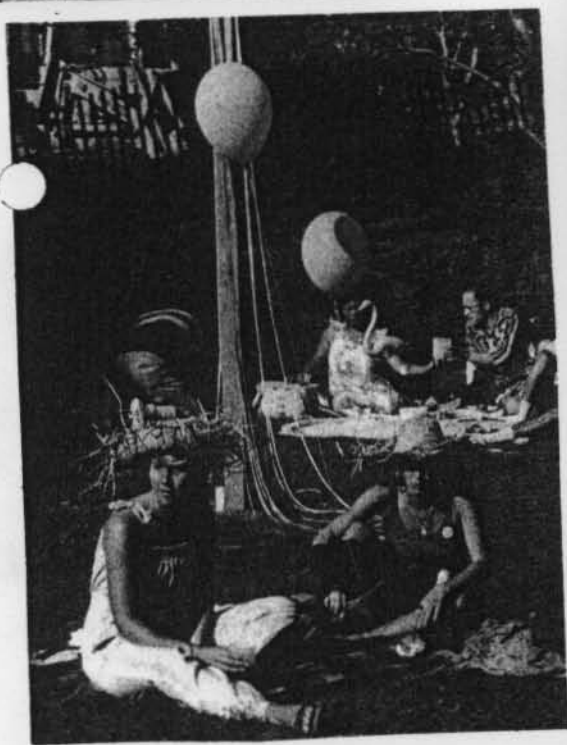
Festivities began at Fenno House about 2 p.m. as grills were laden with a variety of barbeque items. Picnic tables were covered with print cloths and decorated with pineapples. Atlantic Clarion Steel Band provided island tunes throughout the afternoon and was unexpectedly joined late in the day by another steel band, The Scratch Band, from Wellfleet. Heather Shepley's Summer Dance Theatre performed a number of dances, including one choreographed especially for the picnic. Nancy Marcus delighted a packed room in Fenno House with her magic show.

Younger members of the crowd also enjoyed a large hay pile, balloons, and kites, even though there was little wind to fly them. Limbo attracted a few brave souls, while others played volleyball, badminton, threw a frisbee, or just enjoyed the opportunity to chat with other employees and friends they don't often see. The popcorn and beer concessions and watermelon table were popular places during the afternoon.

Jane Alford and Mike Bacon were presented pink flamingos for best island attire. Dick Edwards also received a pink flamingo for deciphering the message on the signal flags strung from nearby trees and on Fenno House.

Congratulations for a job well-done are extended to cochairpersons Eben Franks and Rindy Ostermann and to the Picnic Committee: Bob Bowen, Kate Cronin, Penny Foster, John Kemp, Mary Ann Lucas, Anne-Marie Michael, Marcia Pratt, Martha Tarafa, Trina Wellman, and Randy Dick. Special thanks are extended to Jim Broda, Al Fleeer, Ben Allen, Hovey Clifford, Marshall Otter, Lawrence Peirson, Heidi Lynne Mitchell, Bob Hindley, and to those who performed during the afternoon.





Top left: the picnic crowd on the Fenno lawn; top middle: Eben Franks and Best Female Costume winner Jane Alford; top right: Joe Pedlosky prepares dinner.

Middle left: a heated game of volleyball; middle center: straw hats, balloons, and a beer; middle right: limbo.

Bottom left: Marshall Otter assembles a kite; bottom right: Atlantic Clarion Steel Band got the crowd on its feet.

Photos by Shelley Lauzon

WHOI SAFETY: NEW DISEASE REPORTED

Lyme Disease, formerly called Lyme Arthritis, was first found among persons living near Lyme, Connecticut, in 1975. New cases have since been reported on Cape Cod, Nantucket, and Martha's Vineyard, from Rhode Island to Delaware, and in areas in the mid- and far-western United States.

The disease is caused by a bite from a very small tick found in woods, marshy areas, tall grass, and brush. New cases usually occur from May through August. The disease begins with a small red bump which sometimes expands to a diameter of five inches or more and is very hot to touch. Some patients also have fever, chills, stiff neck, and aches in their muscles and joints. No deaths associated with Lyme Disease have been reported.

The disease can be prevented by wearing protective clothing when in areas where the tick is found, and by checking yourself, your children, and pets frequently for ticks. Treatment with penicillin or tetracycline is often effective and can prevent more serious symptoms if given early in the illness. If symptoms of Lyme's Disease occur, contact your doctor or the Yale Section of Rheumatology (203-785-2453) immediately.

A THANK YOU TO WHOI EMPLOYEES

The Newsletter recently received the following note from Mrs. Russell Graham and family:

"We wish to thank everyone for their many kindnesses during our recent bereavement. Your sympathy and caring were deeply appreciated."

IN MEMORIAM

The Institution reports with sorrow the death August 11 of former employee Edward Geggatt at age 78.

Ed began employment at WHOI in March 1961 as a carpenter working for Stanley Eldridge. He retired in June 1966.

NEWSLETTER NOTICES - Please send notices, photos, and any items of interest to Shelley Lauzon, editor, Co-op, ext. 2271.

DAVE ROSS HONORED BY COLLEGE DEPARTMENT

The Department of Geology at the University of Kansas has selected WHOI's Dave Ross as the recipient of its Erasmus Haworth Distinguished Alumni Award for 1982. Dave was chosen for "outstanding accomplishments in an academic career."

Two of these alumni awards are made each year, one for outstanding accomplishments in an academic career and the other for contributions to industry. The awards will be presented at the annual meeting of the Geological Society of America in New Orleans in October.

CANADIAN POSTS TO END IMMIGRANT VISA PROCESSING AT END OF THIS MONTH

U.S. Consular posts in Winnipeg and Halifax, Canada, will no longer be issuing immigrant visas or conducting stateside processing after September 30, 1982. The posts will, however, continue to process nonimmigrant visas. Immigrant visas for Winnipeg will be handled after September 30 by the Toronto office and Halifax cases by the Montreal office.

DON'T FORGET THE UNITED WAY CAMPAIGN

WHOI United Way Chairman Nat Corwin reminds us that the 1982 campaign is underway. Employees contributed \$9,200 to the United Way in 1981, and Nat would like to pass that mark this year. Contributions can be sent to Nat at Clark 418.

WHOI HAS SOME GREAT GOLFERS

Congratulations to Bob Handy, a research assistant in the Geology and Geophysics Department, and to Albert Santiago, a warehouse worker in Facilities, for their victories at Falmouth Country Club.

Bob was named 1982 club champion and Al was the runnerup in an August tournament.

NSF, ONR TO SPONSOR WINCH AND WIRE SEMINAR

The National Science Foundation and the Office of Naval Research are sponsoring a seminar on oceanographic winch and wire October 18-20 in Providence, RI. For details, contact Alan Driscoll or Joanne May at URI (401-294-2863 or 401-885-3410).



Dick Boudreau (fourth from left, starting at bottom center) of Bill Jenkins' lab was honored by Chemistry Department colleagues at an informal farewell party August 12 at the Captain Kidd. Dick has moved to Seattle.

Photo by Shelley Lauzon.

EMPLOYEE ORIENTATION PLANNED

A new employee orientation program will be held September 23 in the Smith Conference Room. Presentations will be given on the Institution, its organization, employee benefits, and WHOI policies and procedures. It is planned that similar programs will be held in the future.

OCEANOGRAPHIC SHIP NOTES

ALVIN and LULU returned to Woods Hole August 19 after more than a year at sea (see photos pages 1 and 2). The vessels departed on a short biological cruise August 25 to Oceanographer Canyon, returning to port September 3. They departed September 9 on Leg II of Voyage #112 for geological studies in Lydonia Canyon and are scheduled to return to Woods Hole September 20.

ATLANTIS II remains at the pier undergoing maintenance and repair.

KNORR returned to port August 24 after a Warm Core Rings Experiment cruise. Maintenance and repair will be done before the ship departs September 24 for another Warm Core Rings Experiment cruise in the North Atlantic. KNORR is due back in Woods Hole October 17.

OCEANUS departed Woods Hole August 27 on Leg I of Voyage #126, a biological cruise in the Grand Banks area. The ship arrived in St. John's, Newfoundland, September 7, and departed September 10 on Leg II of Voyage #126 for biological sample collection in the Grand Banks area. OCEANUS is scheduled to return to Woods Hole September 23. She will depart September 28 for an ocean engineering cruise, returning to Woods Hole October 9.

ADDITIONS TO WHOI FAMILIES

Congratulations to Deborah and Jim Valdes on the birth of their son, Jeffrey James, August 21 at Falmouth Hospital. Jeffrey weighed 6 lbs., 1 1/2 ozs. Jim is a research associate in the Physical Oceanography Department.

And congratulations to Jane and Bruce Woodin on the birth August 18 of a daughter, Katrina Sue, at Falmouth Hospital. Katrina weighed 7 lbs., 4 1/2 ozs. Bruce is a research assistant in the Biology Department.



Director John Steele addresses family members, friends, and colleagues of Kaleroy Hatzikon at the dedication August 24 of the Marine Policy Reading Room in Crowell House in her memory. Photo by Shelley Lauzon.

NEW FACES

September 1982



John R. Bracebridge
Carpenter
Facs./E. Phares
Smith S-120/x2211



Donna S. Carson
Graphics Technician
Graphic Svcs./D. Souza
Blake/x2720



Maura Connor
Graphics Technician
Graphic Svcs./D. Souza
Blake/x2720



Charlotte M. Fuller
Research Assistant
Bio./N. Marcus
Redf. 1-12/x2750



Susan K. Handwork
Sr. Account. Clerk
Contr./H. VanSiclen
Chall./x2485



Michael Healey
MPOM Fellow
MPOM/D. Ross
Crowell/x2493



Thomas A. Kleindinst
Photo. Technician
Graphic Svcs./D. Souza
Blake/x2261



Susan F. Knox
Secretary II
Personnel/S. Long
Big. 105/x2295



Sarah A. Little
J. P. Student
G & G/R. von Herzen
McLean/x2464



Brian J. Littlefield
Research Assistant
ALVIN/LULU/B. Walden
Smith 301/x2579



Roger H. Maloof
Research Assistant
ALVIN/LULU/B. Walden
Smith 301/x2579



Joanne M. McDonald
Accounting Clerk
Contr./H. VanSiclen
Chall./x2367



Ivon D'Almeida
Pires-Filho
MPOM Fellow
MPOM/D. Ross
Crowell/x2324



William J. Sellers
Research Assistant
ALVIN/LULU/B. Walden
Smith 301/x2579



William K. Stewart
J. P. Student
Educ./MIT

OCEAN ENGINEER NAMED SENIOR SCIENTIST

Associate Scientist Robert Spindel of the Ocean Engineering Department has been named a senior scientist.

Bob received his B.E. degree in electrical engineering from The Cooper Union and M.S., M. Phil., and Ph.D. degrees in engineering and applied science from Yale University. He was named a postdoctoral research fellow in 1971 and was appointed an assistant scientist the following year. He was appointed an associate scientist in 1976.

Bob's research interests include underwater acoustics, long-range sound propagation, underwater instrumentation, correlation of acoustic and oceanographic effects, precision acoustic navigation, signal processing techniques, and volume and surface scattering.

PROMOTIONS AND OTHER PERSONNEL CHANGES

Recent promotions include:

Stefan E. Masse - Graphic Services - from Graphics Technician to Illustrator.

George L. Pelletier - G & G - from Research Assistant II to Research Assistant III.

Shaun Nerolich - ALVIN/LULU Ops. - from Research Assistant II to Deep Submergence Vehicle Pilot.

Recent retirements include:

Olga A. Fennelly - Chemistry - Secretary.

THREE NAMED ASSOCIATE SCIENTISTS

Assistant Scientists David Aubrey of the Geology and Geophysics Department, Stuart Wakeham of the Chemistry Department, and Nancy Marcus of the Biology Department have been named associate scientists.

Dave received his B.S. degrees in civil engineering and geological sciences from the University of Southern California and his Ph.D. degree in oceanography from Scripps Institution of Oceanography. He was a research associate at Scripps before joining the WHOI staff as an assistant scientist in 1978. Dave's research interests include nearshore waves and currents, sediment transport, coastal erosion, nearshore processes, and tidal inlets.

Stu received his B.A. degree from The College of Wooster, and his M.S. and Ph.D. degrees from the University of Washington. Prior to his appointment as an assistant scientist at WHOI in 1978, he was a postdoctoral research fellow at the Swiss Federal Institute for Water Resources and Water Pollution Control in Dubendorf, Switzerland. Stu's research interests include organic geochemistry of sediments and organic volatile compounds in the environment.

Nancy received her B.A. degree from Goucher College and her M. Phil. and Ph.D. degrees from Yale University. She joined the Institution staff in 1976 as a postdoctoral scholar, was named a postdoctoral investigator in 1977, and in 1978 was appointed an assistant scientist. Nancy's research interests include population and developmental genetics of marine invertebrates, and the adaptive responses to environmental fluctuations by marine invertebrates.

Tom Bolmer of WHOI pulls aboard a Fyke net used to capture brook trout.



Below: Ellen Montgomery rinses off in Rivière à la Truite. Part of a Fyke net is visible in the background.



Below: Cook Phil Byrne (standing) and Canadian student Alex Blelak in the kitchen.



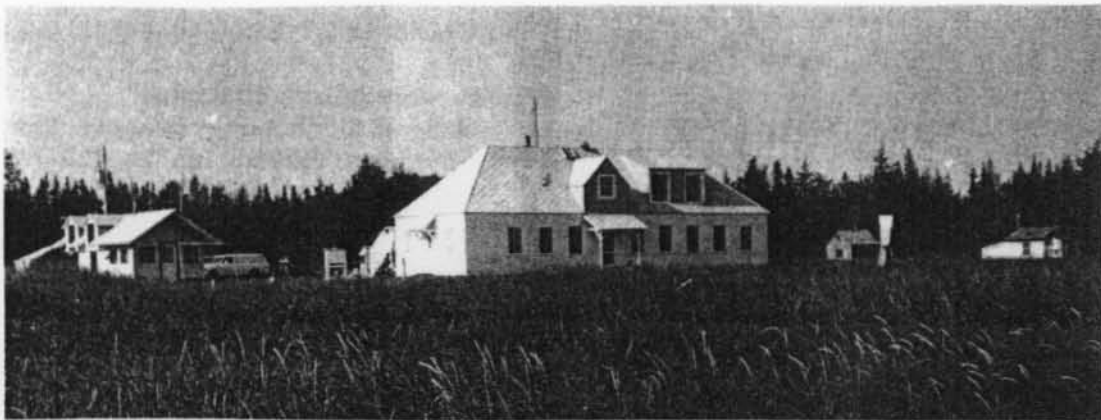
Left to right: Barbara Farr of WHOI, Allan McNeill, an unidentified Canadian student and station manager Rod Morin work in the main lab.

MATAMEK RESEARCH STATION - SUMMER 1982

The Institution's Matamek Research Station in Quebec, Canada, has had another busy summer. From 16 to 18 full-time staff members and interns, primarily from U.S. and Canadian universities, work at the station during the season, which generally runs from May to late September. Associate Scientist Bob Naiman of the Biology Department is director of the station's research program.

Although many of these photos depict research on sea ranching of brook trout, Bob notes that a major research emphasis at the station is investigating stream ecology with a large watershed perspective. This involves studying the metabolism within drainage networks, movements of materials within those networks, terrestrial-aquatic interactions, factors controlling decomposition dynamics, and the role of beaver as agents influencing ecosystem structure.

The research program has two objectives: to look at direct ways of increasing salmon and brook trout production; and to examine the biological basis for salmon production in large watersheds. The beaver is a key animal in regulating stream ecosystems, from which salmonids get their food and make their habitat. Research in this area is expected to increase in the future, Bob notes.

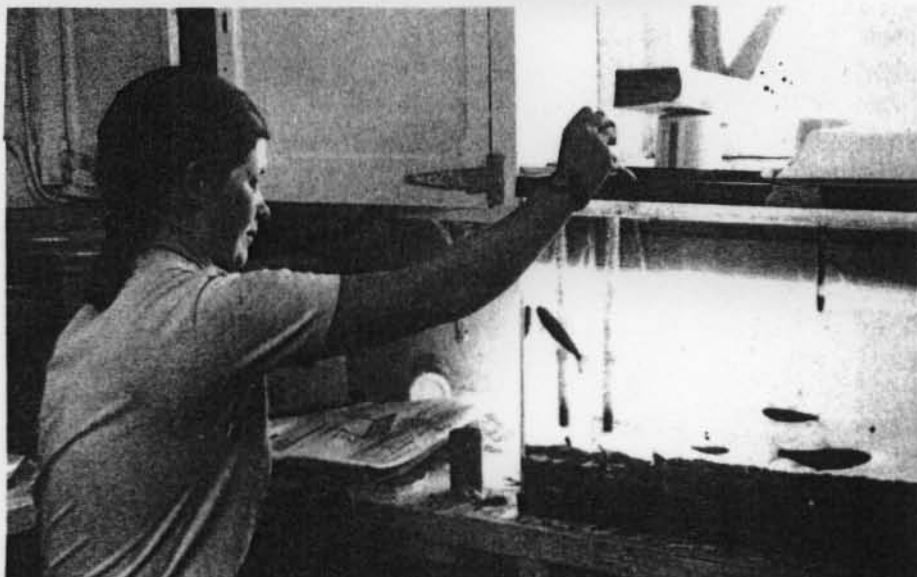


Photos by
Tom Bolmer

Matamek Research Station,
Quebec, Canada

MATAMEK RESEARCH STATION

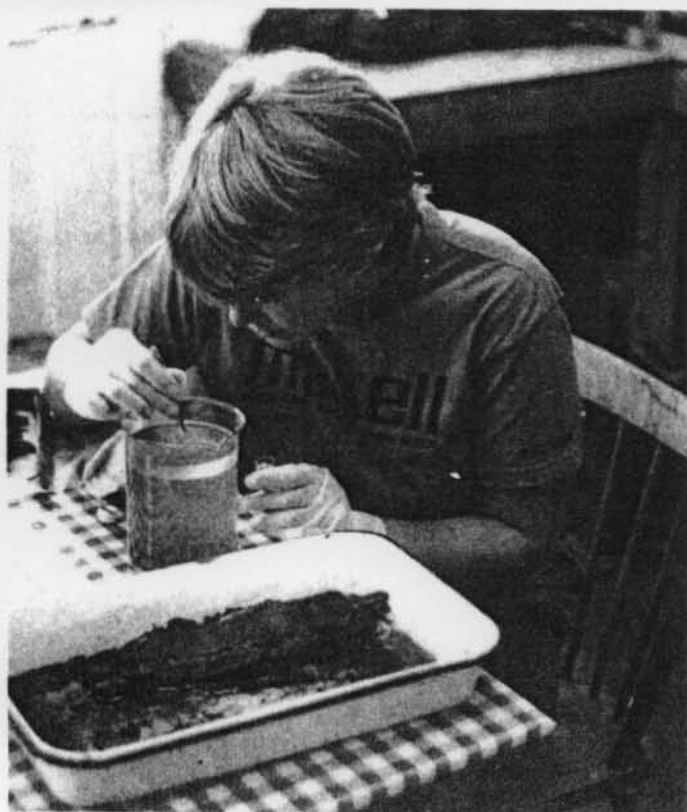
Right: Ellen Montgomery of WHOI feeds
the fish in a fresh water tank.



Below: Students Allan McNeill of the
University of Guelph in Ontario and
Sue Keydel of Hampshire College do
plankton tows in Rivière à la Truite.



Right: Sue Keydel picks bugs off woody debris.





Above (left to right): Joanne Goudreau, Ollie, Ted Desrosiers, and Kate Cronin. Right: Ollie opens one of her gifts as friends and colleagues look on. Photos by Shelley Lauzon.



RETIREMENT PARTY HELD FOR OLGA FENNELLY

Friends and colleagues gathered at the Carriage House at noon August 18 to honor Olga "Ollie" Fennelly, a secretary in the Chemistry Department, upon her retirement from WHOI.

Ollie received a number of gifts, including luncheon and tickets to Falmouth Playhouse and a seahorse pin.

Best wishes, Ollie!!!

FIRE PREVENTION WEEK IS OCTOBER 3-9

This year marks the 60th anniversary of Fire Prevention Week, a reminder of the importance of fire safety. This year's theme is "Learn Not to Burn Wherever You Are."

In 1980, nearly 3 million fires caused an estimated 6,639 deaths and more than \$6 billion in damage in the United States. Cigarette smoking was the major cause of fire deaths in residential properties.

The National Fire Protection Association reminds us all to be aware of our surroundings at all times. Correct hazards, such as dangling wires within reach of children or near sources of heat, in your home. Have an escape plan in mind from every room in your home and practice it with family members. Smoke detectors should be installed and checked for working order once a month. If you are in an unfamiliar place, be sure to locate the exits and ask about safety features in case of fire. Protect yourself, prevent fires from occurring, and persuade others to practice safe habits.

NEARLY 10,000 VISIT ENDEAVOUR HOUSE

The summer Exhibit Center upstairs at Endeavour House closed for the season September 4. A total of 9,471 persons visited the Exhibit Center during the 11 weeks it was open.



Dick Colburn on ASTERIAS finds a moment to talk with two friends on Eel Pond. Photo by Shelley Lauzon.