



August 1979

NEWSLETTER

WOODS HOLE OCEANOGRAPHIC INSTITUTION



WELCOME HOME KNORR!!

With bands playing, banners waving, dancers twirling, and the crowd anxiously awaiting its arrival, KNORR returned to Woods Hole August 21 after a 19-month Pacific cruise. She departed Woods Hole Jan. 28, 1978, and covered 55,820 miles in 571 days.

Captain Emerson Hiller and his crew were happy to be home. The ship was bedecked with signal flags, balloons swayed from the fantail, and the ship steward baked a cake (below right) in honor of the event. For further details turn to page 2.



NO VISITORS PLEASE!!!

Work continues at the W.H.O.I. pier on ATLANTIS II following her conversion from steam to diesel power. Much of the ship is undergoing repair, and for safety reasons visitors and guests are asked not to go aboard the vessel until further notice from the Port Office.



A GIFT OF THANKS FOR R/V OCEANUS

Kittie Elliott presented this beautiful oil painting of a hawser to Paul Howland, master of OCEANUS, in a brief "ceremony" in the ship's library July 26. The painting, by Canadian painter Liz Wilcox, was sent to Kittie for presentation to the captain and crew of OCEANUS by John Landymore and Don Stephenson, the two Canadian dental surgeons rescued, along with their crippled sailboat SOLACE, by the ship June 2.

The inscription reads in part: "Presented to Cap't Paul Howland and the Crew of OCEANUS with Many Thanks for their Outstanding Help & Kindness - The Castaways." The sailboat's name, date of rescue, and location are also given. The painting will be proudly hung in the messroom or library.

PARKING A PROBLEM AT DYER'S DOCK, SMITH LOTS

The shuttle bus drivers have had problems maneuvering around cars in the Dyer's Dock lot. To make it easier for us all, please park trucks, vans, station wagons, and other large cars on the east side, near the drugstore, and leave the narrow side near the channel for small cars. Cars can be double parked near the drugstore if the keys are left in the ignition. Large cars should not be parked near the end of the center section as the shuttles and other employees have difficulty getting around the barrier. By parking straight, close together, and in succeeding order as you enter the lot additional spaces for fellow employees will be available.

Parking in the Smith lot is available for short term visitors for two hours or less. The visitors' row is along the seawall; the middle row (7 spaces) is for any employee, and all other spaces are for Institution cars and trucks. Visitors who will be here for more than two hours should obtain permits from Andy Wessling's office or the Smith reception desk and park in the School Street lot.

The towing fee is now \$17.00.

KNORR WELCOMED HOME FROM 19-MONTH CRUISE

Several hundred persons gathered on the Institution pier at 9 a.m. August 21 to greet KNORR upon her arrival from extended Voyage #73 in the Pacific. (See cover photos and story.) The ship arrived one day ahead of schedule from its 18-leg cruise; no scientific work was conducted on the last leg from Panama to Woods Hole.

The Woods Hole Chowder and Marching Society Band entertained the crowd (top left cover photo, from left: Hoyt Watson, Sam Raymond, Asa Wing, Paul Mangelsdorf, and Charlie Innis). Welcoming banners hung from the Port Office fluttered in the breeze as the ship approached the pier. Boat whistles sounded, Jon Leiby blew the steam whistle in the small boat at the end of the pier, cameras clicked, and the crowd applauded.

Customs agents cleared the ship quickly and wellwishers were allowed to go aboard. The steward's department had prepared for the occasion with trays of cookies, muffins and rolls, a decorated cake, and lots of coffee. A sign hung from the bridge appropriately said: "Thanks - We are glad to be home after 55,800 miles." And we are glad to have you!

FUNDING ANNOUNCEMENTS

The following are recent funding announcements for scientific support.

From the National Science Foundation:

- to Sus Honjo for "The Reactivity of Deep-Sea Sediment With Respect to Calcium Carbonate Dissolution: Laboratory Determination of Its Variation," \$31,731;
- to John Farrington for "Biogeochemistry of Amino Acids in Interstitial Waters of Marine Sediments," \$47,030;
- to Bob Guillard for "Collection of Phytoplankton From Natural Waters by Density Gradient Centrifugation," \$36,924;
- to Stuart Kupferman for "A Study of Circulation and Exchange Rates in the North Atlantic Ocean by Means of Soluble Fallout Radioisotopes," \$56,707;
- to Derek Spencer and Peter Brewer for "Geochemical Ocean Sections Study (GEOSECS) - Lead-210 and Polonium-210 Tracers in the Indian Ocean," \$5,699;
- to Brian Tucholke for "Correlation of Deep Sea Drilling Project Results to Seismic Reflection Data: Central North Atlantic, Part 1," \$85,774;
- to Bob Beardsley for "A Nantucket Shoals Flux Experiment," \$17,466;
- to Nelson Hogg for "A Study of Bottom Water Flow Through Vema Channel," \$22,853;
- to Geoff Thompson and John Farrington for "Procurement of a Perkin Elmer 240B CHN Analyzer for Measurements of Carbon, Hydrogen and Nitrogen in Marine Samples," \$17,865;
- to Mike McCartney for "Equipment for Deep-Sea Soundings of Temperature, Conductivity and Dissolved Oxygen," \$76,500;
- to Terry Joyce for "International Southern Ocean Studies (ISOS): Dynamics of the Antarctic Polar Front South of New Zealand," \$75,660;
- to Peter Rhines for "Joint U.S./U.S.S.R. Mid-Ocean Dynamics Experiment (POLYMODE): Studies of Turbulent Diffusion, Lateral Propagation and Mean Flow Induction for Ocean Eddies," \$39,500.

From the Department of Energy:

- to John Ryther for "Effects of Environmental Stresses on the Species Composition of Phytoplankton Populations," \$100,000;
- to Vaughan Bowen for "Radioelement Studies in the Oceans," \$575,000.

From the National Oceanic and Atmospheric Administration:

- to Dave Ross for "Marine Resources Development and Management," \$675,000.

From the Office of Naval Research:

- to ~~Earl~~ Hays for "Augmentation of Continuation of Undersea Acoustic Research," \$48,974.

From the Solar Energy Research Institute:

- to Joel Goldman for "Bioengineering Aspects of Inorganic Carbon Supply and Light Effects in Mass Algal Cultures," \$95,645;
- to John Ryther for "Cultivation of Macroscopic Marine Algae and Freshwater Aquatic Weeds," \$252,163.

From the Massachusetts Institute of Technology:

- to Skip Marquet and Cliff Winget for "High Temperature Water Sampling and Instrumentation," \$12,500.

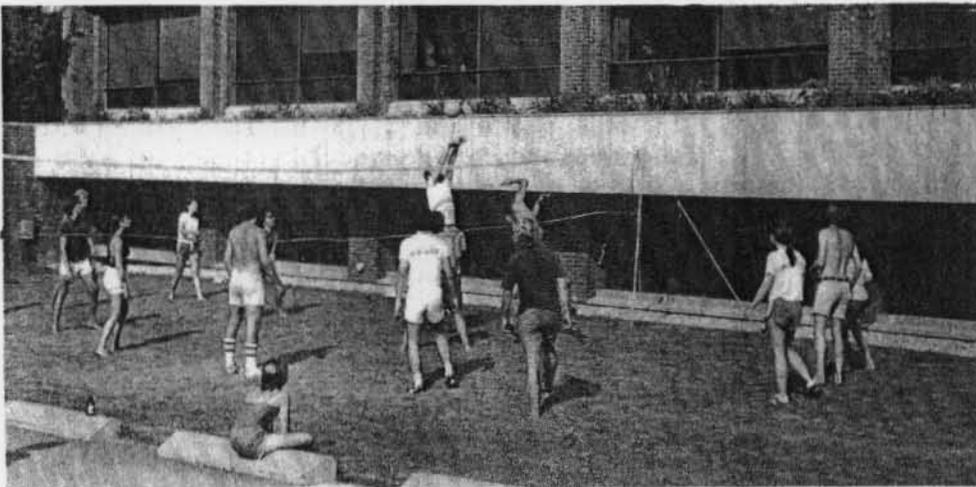
DIRECTOR ELECTED TO MBL CORPORATION

Dr. John Steele was one of 27 new members elected to the Corporation of the Marine Biological Laboratory at the annual corporation meeting August 17. There are 647 regular members and 82 life members.

IS THERE A W.H.O.I. SONG???

KNORR's arrival August 21 prompted an inquiry as to whether the Institution has a song which could be played each time a ship returns from a long cruise or for other appropriate occasions. Does such a song exist? In case there isn't, we would like to welcome suggestions for songs. Ideas can be sent to Shelley Lauzon, Co-op, ext. 2271.

NEWSLETTER NOTICES - Please send notices, photos, and items of interest to the oceanographic community to Shelley Lauzon, Editor, Co-op, ext. 2271. If you are planning an event, please let the NEWSLETTER know the news, and your adventures!





A SUMMER AFTERNOON AND THE W.H.O.I. PICNIC



Sunshine, good food and friends, and plain ol' fun were the order of the day August 5 as 300 employees and their families and friends converged on the lawn behind Clark Lab and the adjacent grounds for the Institution's summer picnic.

There was something for everyone - volleyball, softball, badminton, horseshoes, earthball, and pony rides provided by Boxberry Hill Farm. Harold Crocker, Channel 11 variety show host, entertained the crowd with his friend "Butch", and the Water Street Acoustic Jazz Band provided pleasing sounds throughout the afternoon. Popcorn, beer, soda, and charcoal pits were provided.

Thanks go to the Picnic Committee: Hovey Clifford, Sandy Tonge, Fred Schuler, Al Ciesluk, Carole Merson, Ellen Gately, Vicki Walsh, Sandi Burt, Abbie Alvin, and co-chairmen Sam Long and Karlen Wannop. Mark Dennett represented the Recreation Committee. Special thanks to guards John Rice and Bill Gubbins and the many behind-the-scenes people who made the picnic such a success.





STAN BERGSTROM HONORED AT RETIREMENT PARTY

The Try Sail Chorus came to life for a few moments July 30 when 100 friends and colleagues gathered at the Carriage House for Stan Bergstrom's retirement party.

With Eddie Scheer accompanying on the piano, the group sang numbers from Try Sail productions in which Stan had starred. Al Vine, Willy Dow, Sally Hersey, and J. Brackett Hersey, who flew in from Washington for the event, told tales about Stan's years at W.H.O.I. Stan received a card made by Bill Dunkle and signed by his many friends with photos from "The Pirates of Penzance" and other Try Sail productions, a \$150 gift certificate to Radio Shack, and an old set of golf clubs to begin a new hobby.

In the top photo, Stan enjoys the Try Sail card as Donna Allison (left), Eileen Bergstrom (seated far right), Tom Stetson (second from right) and Dick Dimmock (far right) look on. Below, Stan chats with (from left) Bill Gallagher, Ralph Vaccaro, Clayton Morehouse, Dick Dimmock, and other guests. Photos by Dave Owen.

INDIVIDUALS CAN IMPROVE SECURITY AT W.H.O.I.

Recent thefts have placed added responsibility on each of us to protect personal and Institution property. To maintain an in-

formal and academic atmosphere without restrictive security measures, Andy Wessling offers these precautions.

1. Don't leave anything of value in your car or office (particularly money) where it can easily be found. Lock your car and park near other cars in lighted areas.
2. Don't hide keys to filing cabinets - many persons know where they are kept. Office filing cabinets should not be considered secure - they can be pried.
3. If someone looks "suspicious" ask if you can be of help. Guards are on duty nights, weekends, and holidays and are instructed to ask unfamiliar persons for W.H.O.I. identification. It may be inconvenient but it is done for everyone's protection. If you need assistance during the day with a "stranger" call Andy Wessling (ext. 2379) or Jim Mitchell (ext. 2232).

Report all thefts in writing with details to Andy Wessling, 38 Water St.

ENERGY SAVING TIPS OF INTEREST

We thought the following tips from the Department of Energy's Weekly Announcements might be of interest to you.

- Avoid unnecessary idling in your car as it wastes one cup of gas every six minutes. Don't idle longer than 30 seconds; restarting takes less gas than idling.
- If you need new tires consider radials. They give better gas mileage and wear longer than regular tires.
- Don't "top off" you tank as some may spill out. Gas expands and on a hot day may force itself out. Park in the shade to prevent evaporation which might occur in the sun.
- If your car has a standard transmission, don't rest your left foot on the clutch. The pressure could disengage the clutch and reduce drive train efficiency.
- Keep your lamps and light fixtures clean as dirt absorbs light.
- Clean dust and grease from refrigerator condenser coils. Clean coils mean a longer service life and fewer repairs.
- Don't let frost build up in your freezer beyond ¼ inch. Frost takes space and wastes energy.
- Replace air filters in air conditioning units every month.
- Keep lids on pots and pans while cooking; whenever possible, use small portable appliances instead of larger, fullsize appliances.

PROMOTIONS AND OTHER PERSONNEL CHANGES

Recent promotions include:

Susan Casso - Chemistry - from Research Assistant II to Research Assistant III.

William R. Clarke - Chemistry - from Research Assistant II to Research Assistant III.

Margaret S. Dimmock - Biology - from Secretary II to Secretary III.

Victor F. Fontana - Services - from Service Assistant to Senior Service Assistant.

James R. Valdes - P.O. - from Research Assistant III to Research Associate.

Recent transfers include:

MaryAnne Macaluso - from Secretary, Education (GFD Program), to Secretary, G & G.

Recent retirements include:

Stanley W. Bergstrom - Research Associate, O.E.

PALACIO NAMED DIRECTOR OF COASTAL CENTER

Dr. Francisco J. Palacio, a Marine Policy fellow at W.H.O.I. in 1976-1977, has been named director of the new Tinker Center for Tropical Marine Coastal Studies in Latin America at the University of Miami's Rosenstiel School of Marine and Atmospheric Science. The center will provide assistance to Latin American nations in evaluating and conserving their coastal resources and will be made possible by a grant from the Tinker Foundation.

MENTAL HEALTH BENEFITS AVAILABLE

The Institution's Master Medical Plan provides benefits for "participating" psychologists' services, diagnostic and treatment sessions, consultations and psychological testing. The total of all Blue Cross and Blue Shield benefits, other than inpatient benefits, shall not exceed \$700 per calendar year.

The psychologist's name and office address is needed to determine if he/she is "participating." Contact Kasey Silva, ext. 2706, or Bernice Walker of Blue Cross/Blue Shield, 563-7006, for further information.

THE MISSING WOMAN WITH FURRY SLIPPERS ESCAPES

The Police Log in the Falmouth Enterprise August 24 listed the following item:
5:36 a.m. Suspicious person wearing pajamas and furry slippers just came into Woods Hole Oceanographic Institution on Water Street.

6:22 a.m. Patrolman Gray has checked all of Woods Hole and is unable to locate the woman with furry slippers.

NEW FACES



W. Linn Montgomery
Postdoctoral Scholar
Biology/R. Naiman
Clark 416/x2584



Joseph Pedlosky
Sr. Scientist
P.O./V. Worthington
Clark 354A/x2534



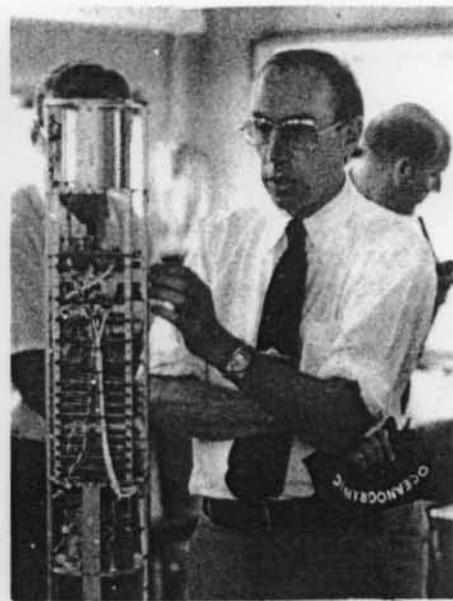
John H. Trowbridge
Research Assistant
G&G/D. Aubrey
Clark 259/x2852



Bruce R. Woodin
Research Assistant
Biology/J. Stegeman
Redf. 2-56/x2320



Stanley Hayes
Guest Investigator
P.O./H. Bryden
Clark 311A/x2806



Rep. Gerry Studds spent a busy afternoon at the Institution August 6. Accompanied by members of his staff and members of the staff of the Subcommittee on Oceanography, which he chairs, Rep. Studds toured the Buoy Lab and ESL, discussed the Law of the Sea and the Institution's Marine Policy and Ocean Management program, and viewed ALVIN videotapes of the Galapagos hot water vents. In the photo at left, Judy Capuzzo explains a project at ESL to Rep. Studds (second from left) and members of his staff; in the photo at right he examines a current meter in the Buoy Lab. One of his mementos from the visit was a blue T-shirt, presented by Dave Simoneau of the Buoy group.

OCEANOGRAPHIC SHIP NOTES

KNORR returned to Woods Hole August 21 after a 19-month Pacific cruise (see cover story). She is at the dock preparing to depart September 7 on Voyage #74 for water column and benthic boundary layer studies off Nova Scotia on the Scotian Rise.

OCEANUS returned to port August 30 completing Voyage #68, a two-leg cruise with a port call at West Boothbay Harbor, Maine. Work on the cruise, for the Bigelow Laboratory for Ocean Sciences, involved measuring the factors controlling the color of the sea surface as related to satellite imagery. The ship is scheduled to depart on Voyage #69, a biological cruise, on September 4.

Work continues at dockside on ATLANTIS II, which returned to Woods Hole August 10 after a seven-month absence for conversion from steam to diesel power and other repair work. Once repairs are completed, the ship is scheduled to depart in late September on an extended voyage to the south Atlantic Ocean.

ALVIN and LULU departed San Diego August 21 for diving operations south of the San Juan Seamount on extended Voyage #102. The vessels are scheduled to return to San Diego August 31.

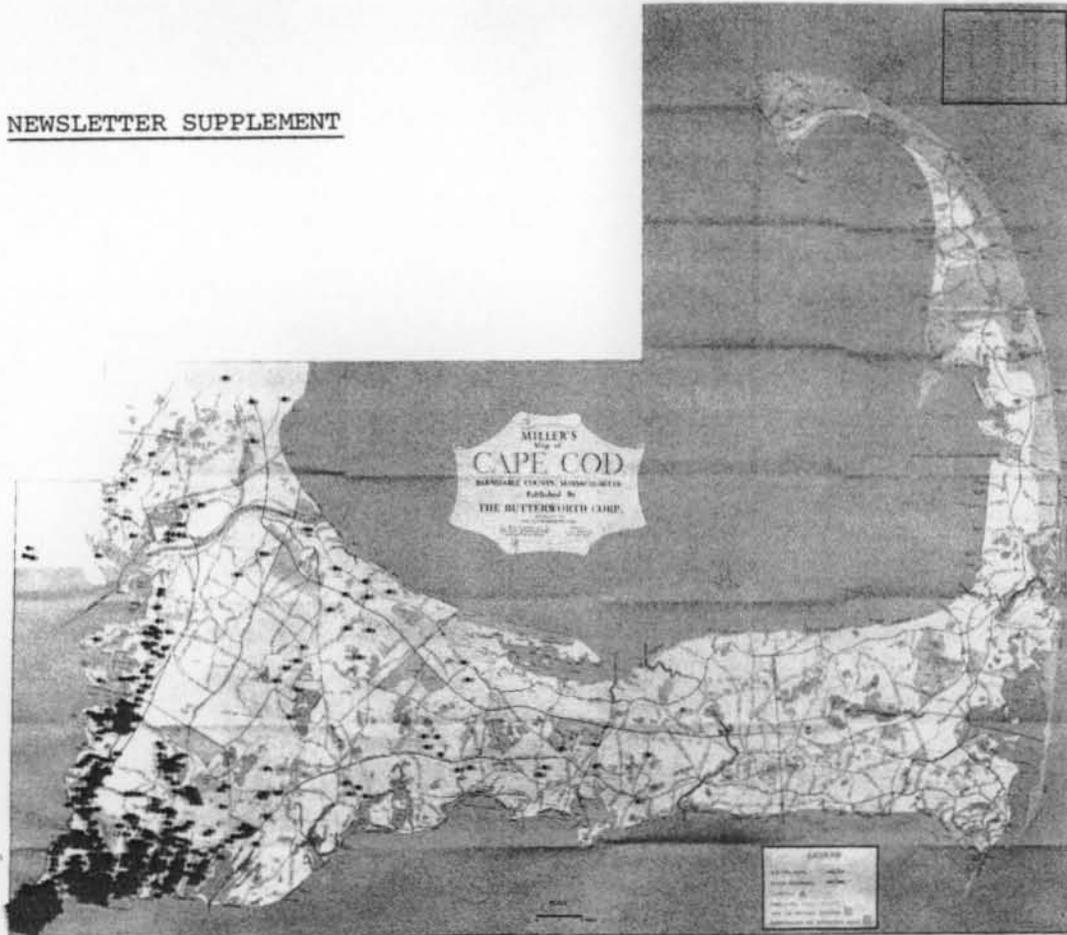
NEW PARKING PERMITS BEING ISSUED

All previous instructions regarding placement of the new W.H.O.I. parking permits were rescinded August 29. Due to questions on the legality of affixing the permit to the windshield, the permits are to be placed on the inside top rear corner of the window on the right front door (passenger side). If you do not have a right front door (Jeeps, etc.) contact the Services office for instructions.

Do not wash the permit as window cleaners obliterate the numbers. If you have already affixed the permit to the windshield, contact the Services office to obtain a new permit.

HAVE A SAFE, HAPPY LABOR DAY WEEKEND!

NEWSLETTER SUPPLEMENT



WHERE ARE YOU?? Each dot on this map represents a full-time employee.

With the assistance of the Cape Cod Regional Transit Authority (CCRTA), the Institution is interested in organizing a commuter ridesharing program for its employees, if feasible. Ridesharing is most effectively utilized for those employees whose residences are geographically clustered, with transportation being in high-occupancy vehicles such as 12-passenger vans.

This service would be planned around the normal 8 a.m. to 5 p.m. workday. The CCRTA would provide guaranteed transportation every workday for a flat monthly fare. Service would be door to door, from and to each employee's home and W.H.O.I.

Ridesharing has proven to be an effective, convenient, and economical commuting answer to combat uncertain gasoline supplies, high prices, and the need for operating a second car.

COMMUTER RIDESHARING

A MEETING WILL BE HELD WITH REPRESENTATIVES OF THE CAPE COD REGIONAL TRANSIT AUTHORITY (CCRTA) TO DISCUSS THE POSSIBILITY OF IMPLEMENTING RIDESHARING AT W.H.O.I.

WEDNESDAY, SEPTEMBER 12,
AT NOON IN
REDFIELD AUDITORIUM

ALL INSTITUTION EMPLOYEES
INTERESTED IN RIDESHARING
SHOULD PLAN TO ATTEND !!!