



NEWSLETTER

WOODS HOLE OCEANOGRAPHIC INSTITUTION

ALVIN PASSES CERTIFICATION, A-II BEGINS VOYAGE TO MID-ATLANTIC RIDGE

DSV ALVIN recently passed inspection and completed her certification dive to 3,550 meters. A 4,000-meter dive was successfully undertaken on Saturday, May 17.

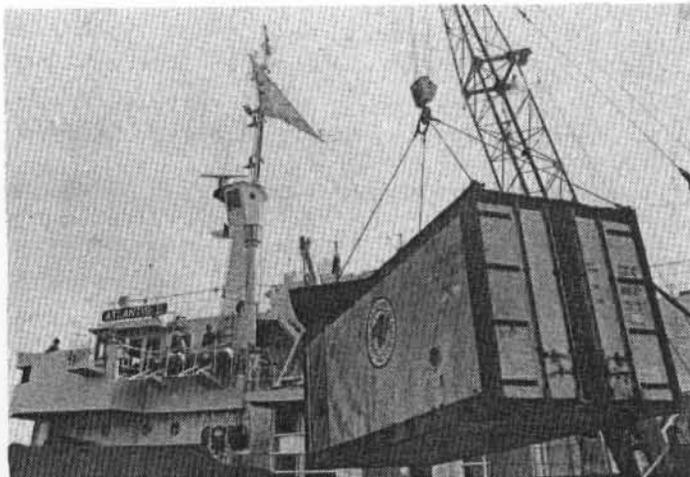
After encountering some initial problems (installation of new batteries, which caused delays in leaving Woods Hole, and leaking battery tanks at sea), ALVIN now shows "all systems go." A-II and ALVIN officially began Leg II of Voyage #114 on May 13 and are now undertaking studies at the Mid-Atlantic Ridge.

This leg of the voyage will include about 25 ALVIN dives for observation and sampling of hydrothermal vents in the Atlantic. These hot vents were located last year by a NOAA ship which towed a sled carrying temperature sensors and cameras.

Until last year's discovery, it was thought that significant seafloor venting activity was limited to fast-spreading undersea ridges typical of those found in the Pacific. The Mid-Atlantic Ridge is opening at about one-tenth the speed of the East Pacific Rise.

Duke University, NOAA, MIT, and WHOI scientists will be participating in the dives. In addition to biological, chemical, and geological sampling from the submersible, scientific activities will include Sea Beam surveys, ANGUS camera tows, rock dredges, and hydrocasts. These studies on two segments of the Mid-Atlantic Ridge will be used to define variations in sea floor spreading processes and identify different hydrothermal systems. Most dives will be made to a depth of about 12,000 feet, in a region approximately 1,800 miles east of Miami.

A-II and ALVIN are due to arrive in St. George's, Bermuda, on June 13.



ANGUS van is loaded on ATLANTIS II in April prior to its voyage to the Mid-Atlantic Ridge. ANGUS photos will be studied in order to select ALVIN dive sites.

June 21 is the first day of summer!

57th ANNUAL MEETINGS TO BE HELD JUNE 13

The 57th Annual Meetings of the Trustees and Members of the Corporation of the Woods Hole Oceanographic Institution will be held on June 13 at the Clark Laboratory. New Members of the Corporation and Trustees will be elected. The science report, entitled "The Academic Research Fleet: Present and Future," will be given by Associate Director for Scientific Operations George Grice and Consultant, Marine Operations and Planning, Captain Robertson Dinsmore. Later in the day, Senior Scientist and O.E. Department Chairman Robert Spindel will give the annual Associates' science lecture on "The Laboratories of the Ocean Engineering Department from Deep Ocean to the Coast." Dr. Spindel's lecture will be held at 4:00 p.m. in Clark 507 and is open to the entire WHOI staff.

EASING SUMMER PARKING PROBLEMS

The Facilities Department requests that due to the summer parking situation all employees comply with Institution parking rules and regulations. The Town of Falmouth will be strictly enforcing street parking rules and ticketing has already begun in earnest. The Facilities Department promises to make every possible effort to provide adequate Institution parking for employees and WHOI guests, including towing of illegally parked vehicles on WHOI grounds.

Valid employee parking stickers should be affixed to the right passenger window; these stickers are available from the Facilities Office in the Smith Building. Temporary Visitor Permits can also be obtained from Facilities or the Smith Lobby desk.

Employees are asked not to store unregistered vehicles in Institution lots and to obey signs for visitors' rows, handicapped, and other special or restricted

spaces. Long-term parking for sea-going employees is limited to the Clark parking lot. If the Redfield, Smith, and Dyers Dock lots are filled in the Village, the School Street lot is also available.



Bob Hindley supervises towing of a non-WHOI car illegally parked in the Dyers Dock lot.

PROJECTION EQUIPMENT NOTICE

Projection equipment in conference rooms is intended for common use and should not be removed. There have been several recent incidents of groups gathering in conference rooms only to find that crucial projectors are missing because someone has borrowed them for use elsewhere. Arrangements can be made for laboratory or personal use of projection equipment by calling Jack Cook, ext. 2647, in Graphic Services.

NEW SHIPMENT OF T-SHIRTS ARRIVE

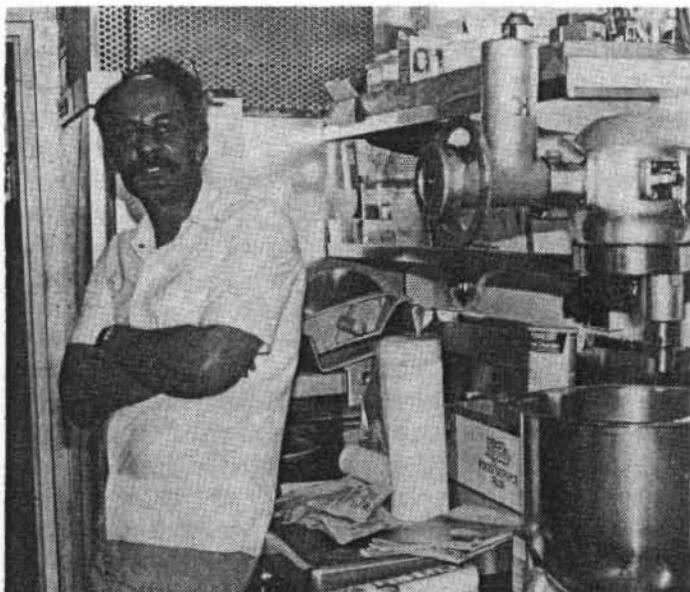
Dave Simoneau announces that a new shipment of WHOI tee-shirts in assorted colors and sizes has arrived. Hats, golf shirts, sweatshirts, and children's tee-shirts are also available. Dave sells his wares from his office in the Buoy Lab during lunch hours. Call him at ext. 2267 for more information.

DAY CARE STUDY GROUP WORKS WITH VNA

The Woods Hole Day Care Study Group, consisting of parents from the WHOI, NMFS, and USGS communities, announces that the Visiting Nursing Association of Upper Cape Cod will be opening a day care center next to the VNA office complex on Ter Heun Drive. The Study Group was formed last year to investigate avenues for additional day care in the area.

The new day care center will begin operation in September and will be open every weekday from 6:30 a.m. to 6:00 p.m. The proposed center will take infants, toddlers, and pre-schoolers age 7 years and under. The VNA also plans to offer an after-school program for children up to 12 years of age or completing sixth grade.

Anyone interested in signing a child (or children) up for the day care program should contact Eben Franks, ext. 2514. He will need to know the child's age as of September 1986 and hours of day care needed per week for scheduling purposes.



John Lobo, A-II steward, in his galley.

OCEANOGRAPHIC SHIP NOTES

KNORR returned to Woods Hole on May 20 from Voyage #121. The month-long cruise was for chemical studies of natural and transient tracers in the Western Sargasso Sea as part of a program entitled "Western Boundary Exchange of Tracers." The goal of this program is to determine the horizontal and vertical exchanges between the slope waters and the interior of the Sargasso Sea. KNORR next leaves Woods Hole on May 28 for a five-day voyage to test improvements to the MOCNESS (Multiple Opening/Closing Net Environmental Sensing System).

OCEANUS continues on extended Voyage #176. The ship left Cadiz, Spain, on May 21 and is scheduled to arrive in Funchal, Madeira, on June 6. Leg VII is for collection and observation of gelatinous zooplankton and microzooplankton in the Eastern North Atlantic Ocean. Scientific activities will include day and night SCUBA diving, plankton tows, and midwater trawls.

ATLANTIS II and ALVIN have begun geological studies of hydrothermal vents on the Mid-Atlantic Ridge. See story on page one of the Newsletter for more information.

IN MEMORIAM

The Institution notes with sorrow the death of James R. (Sully) Sullivan on Monday, April 28, in Newport, Rhode Island.

Jim, a skilled wood pattern-maker and machinist, began employment at WHOI in December 1945 on a full-time basis. Following World War II in 1946, he went back to his career as a teacher/instructor in wood and metalwork in the Rhode Island vocational school system; however, he continued to work for WHOI on weekends and through summers until 1982 when illness brought about his retirement.

Sully's precise machine work put him in great demand over the years in the design and fabrication of instruments, models, mold patterns, pressure casings, ALVIN components, and numerous other assignments. One of his more recent accomplishments was a one-quarter scale wood model of the new ALVIN titanium frame which was necessary to model and fit the many components.

NEWSLETTER NOTICES -- Send items of interest to the oceanographic community to Anne Kabushka, editor, Co-op, ext. 2271.



Don Moller, Eric Spencer and Jon Leiby (second from left to right) came to wish Jack Donnelly (far left) all the best at his retirement party on board A-II.

Calendar of Events

INTERNATIONAL DAYS AT THE BUTTERY

The Buttery will offer French food for lunch on May 29.

SUMMER STUDENT LECTURE SERIES ANNOUNCED

The annual Summer Student Lecture Series will again be offered every Tuesday 10:00 to 11:00 a.m. in Smith Conference Room and every Thursday 10:00 to 11:00 a.m. in Clark 507 throughout the summer beginning June 10. All students, fellows, and other interested individuals wishing a broad exposure to oceanography are invited to attend.

EXHIBIT CENTER OPENS FOR SUMMER

The WHOI Exhibit Center at Endeavour House on School Street will officially open on June 2 for the summer season. Hours are 10:00 a.m. to 4:00 p.m. Monday through Saturday. The Center offers an introductory 10-minute videotape on the Institution and various poster displays, oceanographic equipment and samples for viewing. The Center will be open until the Labor Day weekend. New exhibits include "Oceanography in the Ice" and "Mysteries of the Mantle;" a special TITANIC display will open in the basement of Endeavour House June 16 for the season. Also in Woods Hole, the National Marine Fisheries Service Aquarium summer hours will be 10:00 a.m. to 4:00 p.m. daily beginning June 15 and continue through September 14. MBL will run daily tours for approximately 10 persons at 1:30 pm Monday through Friday beginning June 30. Call MBL (548-3705) for advance reservations. All programs are free of charge.

WOODS HOLE MAY FESTIVAL MAY 31

The annual Woods Hole May Festival will be held on Saturday, May 31 from 11:00 a.m. to 3:00 p.m., rain-date June 1, 12 noon to 4:00 p.m. A wide selection of foods and crafts by local artisans and chefs will be for sale.

SHARE YOUR TALENTS AND YOUR OLD COMPUTER EQUIPMENT

Are you ready to get rid of your first generation computers? Have any extra computer components around cluttering your work area? They could be put to good use by an organization called SHARE (Society for the Advancement of Rehabilitative Engineering). This SMU-based group uses computer technology to help the severely handicapped.

Spinal cord injuries, cerebral palsy, or amyotrophic lateral sclerosis may limit the motions a person can control. There are individuals who can do no more than raise an eyebrow or exert pressure with one finger. SHARE members design switches to respond to the individual's controllable motion and write tailored software which allows interaction by means of triggering the switches.

For example, a woman unable to speak because she lacked muscular coordination has been given a computer system with the letters of the alphabet and the word TALK arranged in a matrix on the monitor screen. The cursor is programmed to move across the columns until she triggers an eyebrow-mounted switch to redirect the cursor down the rows. A second click of the switch selects a given letter and stores it. When she selects TALK in the same manner, a voice synthesizer speaks the stored words.

SHARE has helped people of all ages with many types of severe handicaps. Nearly every system is different depending on the different physical and mental abilities of the client.

To help raise funds for SHARE, several WHOI folks are organizing a musical benefit to be held on August 17. It will feature a "Galaxy of Woods Hole Stars." If you'd like to get involved in the benefit—they especially need an accountant to keep records—please call Robin Singer (x2213), Chris Belting (x2429), Therese Landry (x2874), or Chris Lynch (x2417).

SHARE can always use volunteers. Please call if you'd like more information, if you'd like to help design hardware or software, or contribute computer equipment or money.

People

NASA THANKS WHOI SCIENTIST FOR HELP IN CHALLENGER SEARCH

Elazar Uchupi, senior scientist in G&G and specialist on the geology of ocean basins, was commended recently by NASA for his assistance in the Challenger Space Shuttle search. In a letter to Institution Director John Steele, Elazar was cited for his rapid response in providing detailed original bottom topography charts in the vicinity of the Cape Canaveral search area. The charts were "of immeasurable value to the on-scene commander of the salvage operation," wrote John Young, chief of the astronaut office. The charts were reproduced and used extensively by the Navy, Coast Guard, and NASA ships involved in the recovery operations.

ADDITIONS TO WHOI FAMILIES

Congratulations go out to WHOI families on the births of their babies. Susan and Don Hastings are the parents of their third child, a second daughter. Samantha Anne was born in Falmouth Hospital on April 21, weighing in at 6 lbs., 8 ozs. Susan is an accounting assistant in the Controller's Office. Correcting last month's Newsletter, Don and Karen Collasius welcomed Kelsey Bergliot on February 6 at St. Luke's Hospital in New Bedford. Kelsey weighed 9 lbs. Don is an ALVIN pilot.

FALMOUTH BPW WINS PR AWARDS

Shelley Lauzon, WHOI Manager of Publications and Information, has been contributing her time to the Falmouth Chapter of the Business and Professional Women's Club as chairman of public relations. This year the chapter has won all three PR awards in state-wide competition — overall PR coverage, print coverage and broadcast PR. This is the first time that the Falmouth Chapter has been so honored. Congratulations, Shelley'.

WHOI CLASSIC GOLF TOURNAMENT A SUCCESS

A team of Bob Handy, Alden Cook, Bruce Lancaster and Nancy Pennington won the first WHOI Classic Golf Tournament on May 3 at the Otis Golf Course. Second place went to Rick Murphy, Anson Moore, Bonnie Woodward and Tom Gross, third place to Geoff Thompson, Richard Bowman, John Crobar and Linda Benway, while the team of Al Morton, Ed Chute, Bruce Keafer and Jack Jemsek finished fourth. Worst Effort awards went to the team of Peane Ferreira, Josh Hoyt, Laurie Murphy and Hovey Clifford for finishing last out of 10 teams. One team was disqualified for playing from the wrong tees. Closest to the pin awards went to Al Santiago and John Powers. Longest drives were had by Bob Handy and Marty Woodward. Dave Kulis and Rick Murphy, tournament directors, thank the personnel at Otis for their efforts in making the tournament run smoothly and Jeanne Young, Grace Witzell, Laurie Murphy and Linda Benway for their organizational assistance. Thanks also go to the WHOI Recreation Committee for a donation that helped offset some of the expenses. Another tournament is planned for September. All those interested in helping should call Dave Kulis at ext. 2566.



(Counterclockwise from right) Mary Ann Lucas, Linda Benway, Laurie Murphy, Bonnie Woodward, Ellen Levy and Nancy Pennington relax after the WHOI Classic Golf Tournament.

TELEPHONE TIPS

"The Dimension System in use at WHOI has a number of special features, but people here are afraid to use them," says Linda Benway, switchboard supervisor. Some of these functions will be explained here and in upcoming issues of the Newsletter. Any questions should be directed to Linda at extension 2251.

Call Transfer

If the person to whom you are speaking wants to talk to another WHOI employee at a different extension, you can use the "Call Transfer" feature. This can be used either for a call you have placed or one that has come in from outside.

1. Depress the switchhook quickly -- this will put the caller on hold.
2. You will hear a "recall" dial tone. Dial the third party's number.
3. When you obtain the third party, hang up and the call will be transferred.
4. If the line is busy, there is no answer, or you misdial, depress the switchhook once (if an inside call) or twice (if the third party is outside the Dimension System). This will restore your original connection.

The only restriction is that you cannot transfer an outside party to another outside party.

Threeway Conversation

If instead of transferring the call you want all three persons to be able to converse, use the "Threeway Conversation" feature. The procedure is the same as "Call Transfer" except you depress the switchhook and stay on the line instead of hanging up after dialing the third party.

1. Depress switchhook.
2. Dial the third party's number.
3. Depress switchhook after third party answers. All three parties should be connected. If any party hangs up, the remaining two parties can continue talking.

There is no restriction on the nature of the two other calls. Either or both of the other parties may be inside or outside WHOI.

Conference Calls

In addition to the "Threeway Conversation," you may have as many as six (6) parties on a Dimension System "Conference Call" (but no more than two (2) outside lines). Calls already originated from in-house can be made into Conference Calls.

1. Depress switchhook, wait for "recall" dial tone.
2. Dial operator "0".
3. Ask WHOI operator to place conference call (operator can connect six parties (2 outside, 4 inside; 1 outside, 5 inside; or six inside).

Or dial "0" right from the start and have the WHOI operator set up the conference call.

If the call requires more than two parties outside the Dimension System, the WHOI operator must go through the outside operator. These calls must be set up with the outside operator in advance; on-going calls cannot be turned into more-than-two-outside conference calls.



Katherine Walsh, Janice Baker (hidden behind Katherine) and Linda Benway at temporary stations by the Smith Lobby windows during renovation of their work area



Janice, Pearl DeMellow and Linda in the newly decorated Smith Lobby.

New Faces

May 1986



Geoffrey Allsup
Research Assistant
Ocean Engineering
Bigelow 306/x2223
K. Prada



Tanya Furman
J. P. Student
Geology & Geophysics
McLean/x2829
P. Meyer

John and Mary Stimpson want to thank all their friends at WHOI for the heartfelt expressions of sympathy and offers of help after the recent tragic death of their son, John.

PROMOTIONS AND OTHER PERSONNEL CHANGES

Recent promotions include:

JUDITH FENWICK - MPOM - from Research Assistant III-Data Processing to Executive Assistant.

MARY JANE TUCCI - Personnel/Housing - from Staff Assistant II to Staff Assistant III.

Recent transfers include:

ROBERT J. COREY - Facilities - from Ordinary Seaman to Security Guard.



Frank J. Gable
Research Assistant
MPOM
Crowell/x2775
J. Broadus



James H. W. Hain
Assistant Editor
Oceanus Magazine
Coop/x2393
P. Ryan



Daniel E. Kelley
Visiting Investigator
Physical Oceanography
Clark 354A/x2808
J. Toole



Ann M. Klucznik
Accounting Clerk
Controller
Chall. Annex/x2844
D. Rudden



Michael Moran
Research Assistant
ALVIN Operations
Smith 301/x2650
B. Walden



Amy Pallant
Laboratory Assistant
Geology & Geophysics
Clark 112/x2837
D. Lazarus



Isabel M. Penman
Swbd. Op./Recep.
Facilities
Smith Lobby/x2251
L. Benway



Daniel E. Sampson
Research Assistant
Chemistry
Challenger/x2361
M. Kurz

SUMMER PICNIC VOLUNTEERS NEEDED

Volunteers are needed for the 1986 summer picnic committee. Anyone interested in participating should call Charlie Innis' office, ext. 2202.

1986 SUMMER STUDENT FELLOWS SELECTED

Twenty new Summer Student Fellows will be coming to WHOI over the next few weeks to begin their 12-week research programs. Jake Peirson reports that 271 applications were received by the Education Office, with over 100 schools represented. "We had many highly qualified students with very impressive backgrounds apply," notes Jake. "Unfortunately, we can only accept 20 students a year." The Institution has had an organized summer student program since 1958. This year, students will be working in all five departments.

SUMMER STUDENT FELLOWS -- 1986

<u>Name</u>	<u>School</u>	<u>Field</u>	<u>Academic Level</u>	<u>Sponsor</u>	<u>Dept.</u>
BAKBAS, Jan	Fort Lewis College	Chemistry	Jr.	R. Gagosian	Chem.
BARTSCHAT, Bettina	MIT	EAPS/Chemistry	So.	M. Bacon	Chem.
BAUER, Ken	Univ. of Wyoming	E.E./M.E.	Gr.	E. Terray	O.E.
BERTASI, Ronald	Colgate Univ.	Geology	Sr.	D. Aubrey	G&G
CHEN, Shen	Kagoshima Univ.	Mar. Biochem.	Sr.	D. Anderson/ J. Capuzzo	Bio.
FRANCE, Scott	Concordia Univ.	Sci./Bio.	Sr.	F. Grassle	Bio.
GNANALESIKAN, Anand	Princeton Univ.	Physics	So.	R. Weller	P.O.
HERNES, Peter	Luther College	Chem./Math/Comp.	Jr.	H. Livingston	Chem.
HOLZKIGHTER, Michael	Colo. Sch. of Mines	Geoph./Math	Jr+	R. Stephen	G&G
HOVER, Franz	Ohio Northern Univ.	M.E.	Jr.	D. Yoerger	O.E.
HOWELL, James	Michigan Tech Univ.	Applied Math	Jr.	M. Briscoe	P.O.
KING, Linda	Mary Washington Coll.	Chemistry	Jr.	E. Druffel	Chem
MOISE, Theodore	Trinity College	Physics	Jr.	Y. Agrawal	O.E.
MORGAN, Julia	Vassar College	Geology	Jr.	K. Takahashi	G&G
MYERS, George	Univ. of So. Carolina	Mar. Sci./Bio.	Jr+	J. Teal	Bio.
SIBIO, Scott	Lafayette College	M. E.	Jr.	H. Graber	O.E.
SOSIK, Heidi	MIT	C.E./Bio.	Jr+	R. Olson	Bio.
STEINSALTZ, David	Yale Univ.	Math	Jr.	J. Pedlosky	P.O.
TAUTZ, Terrance	Union College	Chem./Bio./Comp.	Jr.	J. Stegeman	Bio.
TRAYNOR, Lisa	Beliot College	Math	Jr.	K. Brink	P.O.



Dr. Harold Edgerton met ocean engineers Chris Converse and Paul Fucile after giving an entertaining and informative presentation on strobe technology on May 21 in Whitman Auditorium as part of the BUMP/MBL lecture series. Chris and Paul are developing a salt finger video system which employs a strobed laser.

 FLAG DAY is June 14.
