WOODS HOLE OCEANOGRAPHIC INSTITUTION
1930

NEWSLETTER

Volume 16 Number 3

May 1975

NEW ASSOCIATE DIRECTOR FROSCH EXPECTED IN WOODS HOLE IN AUGUST

Dr. Fye announced at the May 12 Staff Meeting that Robert Frosch will join the Institution in late August as Associate Director. His special responsibilities will be in the areas of ocean engineering, applied research, and marine policy. Dr. Frosch is currently Assistant Executive Director of the United Nations Environment Programme in Nairobi, Kenya.

Following completion of bachelor's, master's, and Ph.D. degrees in physics at Columbia University, Dr. Frosch began his distinguished career in 1951 at Hudson Laboratories of Columbia University. He was Associate Director of the Laboratories, director of an underwater acoustic exploration project in the Norwegian Sea, and then Director of the Laboratories from 1956 until 1963, when he joined the staff of the Advanced Research Projects Agency (ARPA) of the U. S. Department of Defense. He was Deputy Director of ARPA from 1965 to 1966, when he was appointed Assistant Secretary of the Navy for Research and Development.

During his seven years as Assistant Secretary, he was responsible for all Navy programs of research, development, engineering, test, and evaluation, and he was in charge of management and operational control of programs with appropriations averaging $2.5 billion per year. In 1967, he was chairman of the United States delegation to the Intergovernmental Oceanographic Commission meeting in Paris. He received the Navy Distinguished Public Service Award in 1969.

In 1973, Dr. Frosch was appointed Assistant Executive Director of the United Nations Environment Programme with the rank of Assistant Secretary General of the United Nations. He has been responsible for the global activities of the organization and for coordination of all U. N. environmental matters with other international organizations. Among the recent projects of the Environment Programme is Earthwatch, a monitoring system for collection of information on global environmental factors such as distribution of pollutants and chemicals as well as changes in forest cover and desert area, which could have large-scale effect on human health and climatic conditions.

Dr. Frosch is a member of the National Academy of Engineering, the American Physical Society, the Seismological Society of America, and the Marine Technology Society. He is a fellow of the American Association for the Advancement of Science, the Acoustical Society of America, and the Institute of Electrical and Electronics Engineers.

The GOSNOLD has been sold to the Harbor Branch Foundation. Here is a farewell picture of her — Fred Schneider took it when she was being spruced up at the Woods Hole dock before heading south last year. Painting of the hull accounts for the temporary strange name. We're told she wears a coat of white paint now.

OCEANUS WILL BE CHRISTENED MAY 31

A public ceremony for the christening of the OCEANUS and launching of Oregon State's WECOMA will be held May 31 at Peterson Builders, Inc., in Sturgeon Bay, Wisconsin. Keynote speaker will be Dr. H. Guyford Stever, Director of the National Science Foundation, funding agency for construction of the ships. Mrs. Stever will do the christening, Shipyard President E. L. Peterson will be master of ceremonies, and Wisconsin Congressman Robert J. Cornell, who is a priest, will give the invocation. Institution representatives at the event will include Dr. Fye, David Scott, Jon Leiby, and Bob Dinsmore for UNOLS. The OCEANUS was launched in December and delivery to Woods Hole is expected in October.

INSTITUTION TRUSTEES NAME EMERY HENRY BRYANT BIGELOW OCEANOGRAPHER

K.O. Emery has been named the Henry Bryant Bigelow Oceanographer. This position was created by the Trustees in 1958 to honor the Institution's founder and first director, and its first occupant was the second director, Columbus Iselin. Dr. Fye announced the appointment at the May 12 Staff Meeting in Redfield Auditorium, noting that the fact the position has been vacant since Dr. Iselin's death indicates the esteem in which the Henry Bryant Bigelow Oceanographer is held.

A highly respected marine geologist, K.O. adds this to his other honors, which include election to the National Academy of Sciences, the Shepard Prize for Marine Geology, the Prince Albert Ier of Monaco medal, and the Compass Distinguished Achievement Award.

K.O. has been with the Institution staff since 1962. Following completion of B.S. and Ph.D. degrees at the University of Illinois, he was with the Illinois State Geological Survey for two years, at the University of California Division of War Research for two years, and then professor at the University of Southern California from 1945 until he came to Woods Hole.

The author of more than 260 scientific publications, including five books, his marine geological research has ranged around the world. Among the advisory committees he has served are the National Academy of Sciences Committee on Mineral Resources and the Environment and the National Academy of Engineering Review Committee on Safety of OCS Petroleum Operations.

INSTITUTION RESEARCH LIBRARIAN WILL COME TO WOODS HOLE JULY 1

The new position of Research Librarian for the Institution will be taken July 1 by Carolyn Winn, who is currently Assistant Professor and Science Reference Librarian at the University of Rhode Island Library.

Her responsibilities here will include management of all library-related activities of the Institution and close liaison with the MBL Library, acquisitions, improvement of the library access systems, and assistance in library research.

Carolyn Winn holds both bachelor's and master's degrees in zoology from the University of Michigan, and she completed a Master of Library Science degree at the University of Rhode Island in 1970. She was Cataloguer of Fishes at the University of Michigan Museum of Zoology from 1950 to 1954 and spent the next 10 years with the family responsibilities of three children. From 1963 to 1969, she held part-time positions as research assistant in the Department of Zoology of the University of Maryland and in the Graduate School of Oceanography at URI and cataloguer in the URI library. She was appointed Assistant Reference Librarian in 1969 and Science Reference Librarian in 1973. In this position, she has maintained her interest in the life sciences, serves as liaison between the science faculty and the library, works closely with faculty in course development, and lectures on library service and use.

The position of Research Librarian for the Oceanographic Institution has been under discussion since the Library Study Committee of the Staff Committee recommended such an appointment in its report in 1973. With the Director's endorsement, a search committee was appointed last year by Art Maxwell. K. O. Emery, Fred Grassle, and Mel Rosenfeld (chairman) were appointed and received the close cooperation of Bob Morse and Jake Peirson from the Education Office. The position will be under the direction of Bob Morse, Associate Director, and Dean of Graduate Studies. A total of 78 applicants were considered with six invited for interviews. Mary Sears, Cecelia Fuglister, and Jane Fessenden assisted those listed above with interviews. Carolyn Winn was the unanimous recommendation of the interviewers.

JOINT PROGRAM HAS FOUR GRADUATES

Four Joint Program students defended their theses this spring and brought the total of graduates in the seven-year-old program to 39. Brad Butman, Jean Nichols-Driscoll, Bill Sunda, and Ross Henry are the four new graduates.

Brad Butman's thesis topic was "On the Dynamics of Shallow Water Currents in Massachusetts Bay and on the New England Continental Shelf". He has joined the United States Geological Survey staff in Woods Hole where he will be concerned with currents and sediment transport on the continental shelf, initially Georges Bank.

Jean Nichols-Driscoll's topic was "Transient Structure in Benthic Communities: The Effects of Oxygen Stress, Burial, and High Rates of Sedimentation". Jean is still deliberating employment plans.

Bill Sunda wrote his thesis on "The Relationship Between Copric Ion Activity and the Toxicity of Copper to Phytoplankton". He has been appointed a research chemist on the National Marine Fisheries Service staff in Beaufort, North Carolina, where he will do further work on the subject of his thesis.

Ross Hendry examined "The Generation, Energetics, and Propagation of Internal Tides in the Western North Atlantic Ocean" in his thesis. He has accepted a postdoctoral position at the Institute of Oceanographic Sciences in England.

SANDY WILLIAMS IS PROMOTED

Sandy Williams has been promoted to Associate Scientist in the Ocean Engineering Department. He came to the Institution as a Postdoctoral Investigator in 1969 and was appointed Assistant Scientist in 1971. His research interests include ocean microstructure, mixing, and thermohaline convection and oceanographic, optical, and electronic instrumentation. His current work is directed toward identifying small scale stirring processes in the ocean. He is improving his Self Contained Imaging Micro-Profiler, SCIMP, by increasing the aperture of the optical imaging system to detect larger and more subtle microstructure features and by adding a shearmeter to measure the difference in current velocity over short vertical distances. Using the free-descending SCIMP, Sandy has demonstrated that salt fingers, convective cells of water about one centimeter in diameter,

driven by salinity gradients, exist in the ocean. He holds a B.A. from Swarthmore College and a Ph.D. from Johns Hopkins University, both in physics.

Sandy is the organizer of the Ocean Engineering noon seminars, served a term as chairman of Journal Club, and was a member of the Library Study Committee. He maintains an active interest in the education program, teaching a course in instrumentation, serving on the joint committee for ocean engineering, and supervising Peter Hendricks and John Tochko in their thesis work.

GFD TO CONSIDER DRIFT THEORIES

The 17th annual program of summer study in geophysical fluid dynamics will be based upon the subject "Geophysical Data for Motion in the Mantle and Core and Assessments of Current Theories of Continental Drift and of the Geodynamo." The 10-week session begins June 23 at Walsh Cottage. Willem Malkus of MIT will be the director this year, and other staff members are Stanley Davis of Johns Hopkins University, Joseph Keller of New York University, Joseph Pedlosky of the University of Chicago, William Peltier of the University of Toronto, Edward Spiegel of Columbia University, Melvin Stern of the University of Rhode Island, George Veronis of Yale, Andrew Ingersoll of Cal Tech; Edward Benton, Ronald Smith, and David Loper of the University of Colorado; Louis Howard and John Sclater of MIT; Frederick Busse and Daniel Fitzjarrald of UCLA; Dan McKenzie and Michael Proctor of Cambridge University, England.

Postdoctoral students accepted to the program are H. Jay Melosh of Cal Tech, Barry Parsons of Cambridge University, and Masanori Saito of the University of Tokyo. Student fellows are Phillip Colella of the University of California, Berkeley, William Facinelli of Yale University, Kirk Hansen of the University of Chicago, Howard Houben of Cornell University, Allen Waxman of the University of Michigan, and Stephen Jones and John Skilbeck of Cambridge University.

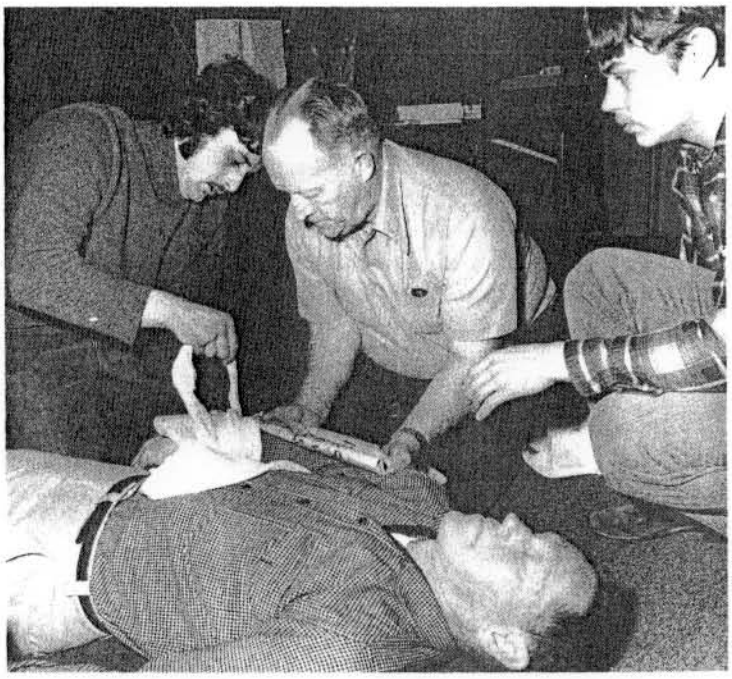
Chet Woodward places a plaque from Air France on his office wall — seems 14 pounds worth of biological specimens from the Oceanographic were privileged to be aboard the inaugural flight of Air France's 747 cargo service. This was November 7, 1974. On April 2, this year, a Boston sales representative of Air France arrived in Woods Hole to present the plaque, which is a copy in metal of the waybill. The shipment was 44 vials of deep-sea tunicates sent by Sue Garner from Howie Sanders' lab to the Laboratory of Invertebrate Biology at the Paris Museum of Natural History, where Claude and Francoise Monriot speciate and describe them.

Photos by Chic Medeiros

Sue Anderson and Gordon Glass splint Nancy Bauchmann's leg.

EIGHTEEN COMPLETE FIRST AID COURSE

The Institution Safety Office sponsored a standard first aid training course during the month of March. It was conducted by J. R. Tulis, Director of Safety Programs for the Cape Cod Chapter of the American Red Cross. The pictures show the "hands-on" nature of the course. Those completing the course and examinations successfully are Susan Anderson, Nancy Bauchmann, Keith Bradley, Mel Briscoe, John Crobar, Homer Delisle, Dick Edwards, Cy Fennelly, Curtis Gandy, Gordon Glass, Susan Johnson, Don Leblanc, Marga McElroy, Cathy Offinger, Bob Porter, Mike Sharpe, Tom Stetson, and Margaret Sulanowski. They are certified to administer standard first aid for the next three years.



John Crobar, Cy Fennelly, and Mike Sharpe attend Dick Edwards' arm. Later they splinted both his legs, too.

FUNDING ANNOUNCEMENTS

The following grants have recently been received from the National Science Foundation:

— $16,400 to John Bruce and Bruce Warren for "Temperature Measuring System from Oil Tankers in the Indian Ocean";

— $6,600 to Geoff Thompson for "A Study of the Effects of Hydrothermal Alteration on Oceanic Igneous Rocks" (doctoral dissertation of Susan Humphries);

— $86,700 to John Hunt for "Geology and Geochemistry of the Caspian Sea - Lake Urmia Area";

— $37,000 to George Veronis and Willem Malkus for "Summer Programs in Geophysical Fluid Dynamics";

— $91,700 to Ralph Vaccaro for "Controlled Ecosystem Pollution Experiment (CEPEX): The Complementary Role of Heterotrophic Measurements in an Environmental Effects Program";

— $218,400 to Ken Prada and Art Baggeroer for "Six Channel Seismic Data Acquisition and Processing and Seismic Study of Georges Bank";

— $20,300 to John Sclater and Dick von Herzen for "A Digital Water Temperature and Heat Flow Instrument";

— $42,600 to Ed Carpenter and James McCarthy of Harvard for "Nitrogen Cycling in the Euphotic Zones of the Caribbean and Southern Sargasso Seas";

— $26,000 to Dick von Herzen for "Electromagnetic Induction in Oceanic Regions";

— $135,000 to Peter Wiebe for "Spatial Structure of Marine Zooplankton in Shelf, Slope, and Sargasso Sea Waters";

— $36,500 to Carl Bowin and Colin Summerhayes for "Underway Geological and Geophysical Acquisition: Woods Hole to Durban";

— $8,600 to Eli Katz for "Zonal Study of the Atlantic Equatorial Undercurrent";

— $22,900 to Carl Bowin for "Data Acquisition and Synthesis: Indonesian Region";

— $16,900 to Ken Tenore for "Food Chain Dynamics of Detrital Feeding Benthos";

Funds recently granted from sources other than NSF include:

— $51,010 to Earl Hays from the Office of Naval Research for "Naval Environmental Studies";

— $29,410 to Paul Mangelsdorf and Fred Sayles from the Energy Research and Development Administration (ERDA) for "Analysis of Sea Water by Difference Chromatography";

— $109,600 to John Ryther and Joel Goldman from ERDA for "Combined Toxicity Effect of Chlorine, Ammonia, and Temperature on Marine Plankton";

— $7,328 to Bill Bryan from the National Aeronautics and Space Administration (NASA) for "Volcanology and Morphology Data Analysis";

— $45,524 to Peter Saunders from NASA for "Drifting Buoy Lagrangian Test";

— $19,575 to Carl Bowin from NASA for "Gravity and Crustal Structure Analysis";

— $8,707 to Dean Bumpus from the National Oceanic and Atmospheric Administration for "Review of Physical Oceanography of Georges Bank";

— $100,000 from the Jessie Smith Noyes Foundation for support of four postdoctoral fellows in aquaculture for two years;

— $18,723 to Jim Mavor from Exxon Research and Engineering Company for "Marine Terminal Current Measurement System Development";

— $7,477 to Carl Bowin from NSF via Lamont-Doherty Geological Observatory for "IDOE/Southeast Asia Planning";

— $112,404 to Mike Purdy and Jim Heirtzler from Lamont for "International Program of Ocean Drilling (IPOD)";

— $8,000 to Bill Berggren from Mobil Oil Corporation for "Stratigraphic Range and Geographic Distribution Patterns of Selected Group of Cenozoic Benthonic Foraminifera".

RECREATION COMMITTEE LISTS ACTIVITIES

The Recreation Committee reports the following activities available now or soon to be organized:

Volleyball competition continues at noon on a new court on the Clark Lab leaching bed (off the path from the Clark Lab to ESL), on the Bell Tower ballfield, or in the Woods Hole Community Hall during inclement weather.

Horseshoe pits are being constructed behind the Redfield Building and on the Clark Lab leaching bed.

The Institution plans to enter one softball team in the Falmouth Town League and a number of softball teams in the WHOI—Fisheries—MBL—Local League.

A number of tennis courts are available on a first come - first play basis. Some nearby courts include the Memorial Circle courts, Bell Tower courts, and the Stony Beach courts.

A basketball hoop and backboard will soon be erected adjacent to some blacktop area of the Clark Lab parking lot or approaches

An area is open for picnicking near the Woods Hole Road entrance to the Clark Lab area of the Quissett Campus.

If there are any questions concerning any of these activities, they should be addressed to the departmental representatives to the Recreation Committee. They are Carl Bowin (Geology and Geophysics), John Burke (Chemistry), Hovey Clifford (Biology), Ed Denton (Ocean Engineering), and Marge Zemanovic (Physical Oceanography).

SUMMER STUDENT FELLOWS NAMED

Eighteen Summer Student Fellows have been named for 1975. They and their sponsors (in parentheses) are:

Biology: Suknan Chang of Yale (Rich Harbison), Kent Colbath of Oregon State (Fred Grassle), Patricia Colberg of North Dakota State (John Teal), Patricia Deese of MIT (Buck Ketchum and Ralph Vaccaro), Suzanne Dykstra of the University of California, Berkeley (Ken Smith), George Lauder of Harvard (Dick Haedrich), Debbie Schachter of MIT (John Stegeman and Dennis Sabo), and Ellen Simpson of Simmons (Bob Guillard);

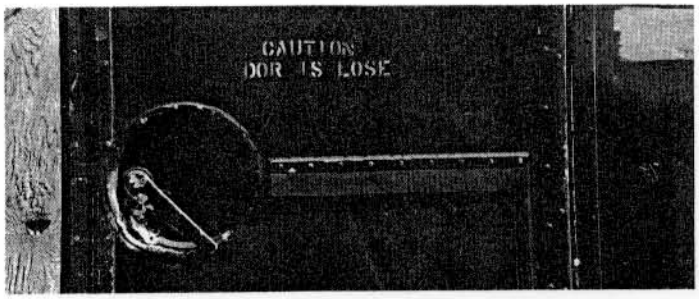
Physical Oceanography: Lucio Iida of Brown (Mel Briscoe), Richard Limeburner of the University of Massachusetts (Peter Rhines), and Andrew Walker of Washington and Jefferson (Rocky Miller);

Geology and Geophysics: Nancy Marks of Williams (Colin Summerhayes), Peter Michael of Colgate (Bill Bryan and Carl

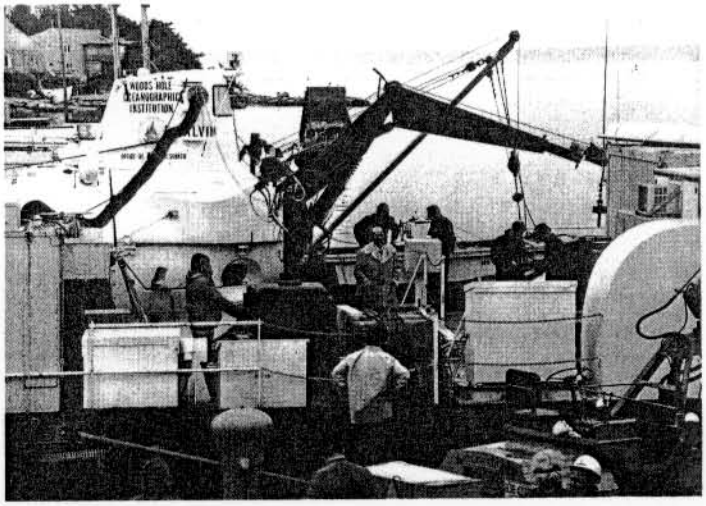
Bowin), Clare Reimers of the University of Virginia (K. O. Emery), and Christopher Scotese of Chicago (Pat Lohmann);

Ocean Engineering: Thomas Pallone of MIT (Skip Marquet);

Chemistry: Mark Rivers of Harvard (Geoff Thompson) and Douglas Brown of Worcester Polytech (Max Blumer).



Sign seen on the pier: the dor is lose, and there's a shortage of o's! A few yards from this dor, there was a large crane on a barge which might make the libbers happy — entrance was marked "Women".



Picture shows last-minute transactions on the deck of LULU before she left with ALVIN in late March for work in the Bahamas. ALVIN begins the northern work in June after return to Woods Hole.

MEET THE SOUP MAKERS

Soup season at Endeavour House and the Buttery closes at the end of May, and this seems a good time to pay tribute to those who provide us with homemade soups through the winter. Soups are not served during the summer months, because the large quantities made by each cook (32 quarts for a day's contribution) are usually cooled by putting them outdoors or in an unheated part of the house. This, of course, doesn't work during the warmer months, and the soups frequently sour before they can be served. Yoghurt with condiments, soups that need no cooking, and other warm weather foods are substituted on the menu for the summer.

The usual procedure is for the soup cook to obtain two large kettles from Endeavour House a few days before the individual's soup is scheduled for serving. The soup is prepared the day before and delivered to Endeavour House the morning of the day it is to be served. Cooks are paid for ingredients and a little extra for labor.

Sandy Rappaport, the Thursday soup-maker, gives the soup a stir in the Endeavour House kitchen. In a year and a half of soup-making, she calculates she has delivered about 400 gallons of soup for the lunch crowd. She has seven or eight recipes she rotates and occasionally she tries out a new one. Her favorites are Swedish yellow pea and chicken curry.

The youngest soup maker, 15-year-old Charlie Scheltema, gets a soup kettle from Stella Livingston for his next batch. He has brought the soup to Endeavour House half a dozen times in the last three months and his favorites are minestrone and Portugese kale. Charlie figures it takes him about two hours of shopping and chopping time to prepare 32 quarts of soup (that's two kettles like the one shown).

Stories about soup making include large spills (imagine a car awash with several quarts of onion soup!) and over-seasoning. Perhaps one of the best is the one about when Janet Moller put the soup outside to cool and a neighbor's dog (with the unlikely name of Sir Cedric) snatched one of the covers and ran away. It took Janet three days to find the lid.

The list of Endeavour House soup-makers includes Nancy Chute, Sandra Crocker, Laurent and Lynette Labeyrie, Stella and Hugh Livingston, Jerry Dean, Grace Millard, Janet Moller, Arlene O'Donnell, Joanne Ostergard, Jan Pechenik, Sheila Payne, Catriona Purdy, Elga Sabo, Pat Thompson, Linda Witt, Sandy Rappaport, Claudine Marquet, Charlie Scheltema, and Betsy Stegeman.

NOTES & NOTICES

Judges are needed each March for a regional *Science Fair* in Fall River. Some 200 junior and senior high level science projects are exhibited, and the judging takes just one Saturday morning. Anyone willing to help out should write to Skip Mailloux, 69 Fulton Street, Fall River, MA 02720, and ask to be contacted when the date is set for next year. Carl Bowin, ext. 572, has participated several times and would be willing to answer any questions about it.

* * *

Summer jobs must be posted for a two-week period. Anyone planning to do any summer hiring should notify personnel, even if someone is already in mind for the position.

* * *

The *36-inch metal straight edge* is still missing from Graphics — c'mon, somebody must have it.

* * *

Jess Stanbrough was session organizer and chairman for an "Instrumentation in Oceanography" Technical Session at the International Convention and Exposition of the Institute of Electrical and Electronics Engineers, Inc. (IEEE) April 8 to 10 in New York. *John Kanwisher* was one of the session speakers, talking on "Telemetry from Free Ranging Animals".

* * *

A note from the Graham family:
We wish to thank everyone for their kindness and sympathy. It is deeply appreciated and comforting to know friends are there, and care. Love and cherish your children.

Mr. and Mrs. Russell G. Graham
Mrs. Harold Backus and Jeanne
Mr. and Mrs. Brian E. Amaral

* * *

John and Mildred Teal have a new book just published by Atlantic, Little, Brown. Entitled *The Sargasso Sea*, it is 216 pages written at the adult level for a popular audience.

* * *

Some interest has been expressed in scheduling *Journal Club* at four in the afternoon rather than in the evening. Anyone who feels strongly positive or negative about such a possibility is asked to notify Steve Dexter in writing (please don't call) in Bigelow.

* * *

H. Tyler Marcy, *Assistant Secretary of the Navy for Research and Development,* visited with scientists in each of the Institution departments April 28.

* * *

Ti-Sales of Fairfield, New Jersey, has notified Tom Aldrich that the company has some surplus pieces of *titanium 6AL 4V tubes* available at a reduced price. There are 24 pieces available each 14-5/8 ±.020 inches long (4-1/4 ±.020 outside diameter and 3-3/8 +.000 — .020 inside diameter). Anyone interested in the tubes should call Hugh Gallagher at Ti-Sales directly, 201-227-5300.

* * *

Romeyn de Castellane, Department Executive Assistant in Geology and Geophysics was recently named Young Career Woman of Falmouth in a competititon sponsored by the Falmouth Business and Professional Women's Club. She was chosen from among 10 candidates on the basis of her description of her career, poise, voice projection, the content of her talk, and her reply to an impromptu question. She will compete this month for the title of Young Career Woman of Massachusetts at a meeting in Hyannis. Sue Anderson, Research Assistant in Biology, was also a finalist in the Falmouth competition.

* * *

The Environmental Systems Laboratory is now tied into the Central switchboard system, and the separate phone numbers previously assigned there are no longer operative. The people in the laboratory can be reached on the following extensions:

501	Ryther, John Gunning, Anita	
511	Gunning, Anita Losordo, Thomas Ryther, John	Comeau, Ronald Mooney, Robert
513	Mitchell, Joan Wing, Asa	
538	Gifford, Cameron Lapointe, Brian	
557	Goldman, Joel Lawrence, Sarah	Carbon, Regina Legare, Thomas
598	Davidson, John White, Judith Swanger, Clare	Clarner, Philip Quinn, Susan

* * *

In addition, the *Shipboard Computer Group* has moved to the Bigelow Building with rooms and telephone extensions assigned as follows:

Gus Tollios	Big. 103B	ext. 276, 237
Tom Crook	Big. 103B	ext. 276, 237
Allen Gunderson	Big. 103	ext. 276, 237
Marga McElroy	Big. 111	ext. 276, 237
Chris Polloni	Big. 102A	ext. 276, 237
Joe Puleo	Big. 103	ext. 276, 237
Bob Thayer	Big. 102A	ext. 276, 237
Dennis Vaillancourt	Big. 103	ext. 276, 237
HP Computer Room	Big. 101	ext. 237

* * *

Bob Ballard reports a hair-raising experience on a mountainous road from Cali to Buenaventura, Colombia, where he joined the Navy submersible TURTLE for several dives with Bruce Heezen of Lamont on the Malpelo Ridge in the Panama Basin. Arriving in Cali about 4 a.m., Bob discovered that there was no longer a morning flight to Buenaventura. The taxi driver taking him to the bus station convinced Bob, who had not slept that night, that it would be much nicer to go by car. They settled on a price, and set off on the 120-mile drive. As they slowed to negotiate one of the many hairpin curves, a dozen banditos blocked the road brandishing machetes, a red flag, and a banner. A cap containing several bills thrust through the window indicated what they were after. Fortunately, Bob had a pocket full of pesos, so he could avoid showing his wallet. About the time he deposited his "toll" in the cap, a truck came from the other direction, and the taxi driver took advantage of the distraction to move quickly on. Bob says the dives to the uplifted basement floor of the Malpelo Ridge were interesting too.

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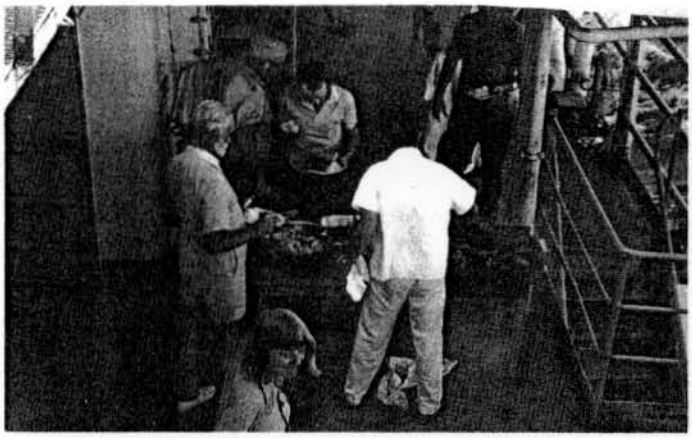

Photos by Bob Munns

CRUISE COOKOUT

Cookouts are always a welcome break from the hard work of an oceanographic cruise — here the A-II cook treats biologists and crew during a March cruise. Above, Pam Polloni grins while Joe Ribeiro serves Captain Babbitt. Others in the picture are John Bizzozero, Carl Vogel, and Albert Jefferson. Below, Hovey Clifford, Andy Jahn, and Pam Polloni picnic on deck.

SPRING FANCY IS A T-SHIRT

When spring comes, people's thoughts turn to T-shirts (at least this year). Here, the folks in Physical Oceanography sport "Buoy Group" shirts . . .

Photos by Dave Porter

. . . and John O'Tool, oiler on the CHAIN, shows a version of the T-shirts he prints himself.

Photo by Dave Ross

NEW FACES

May '75

Edward Bullard
Doherty Fellow
Clark 238, ext. 266

Henry Dick
Postdoctoral Investigator
G & G/Bill Bryan
Clark, ext. 582

Gerald Dugas
Welder
Facilities/Jim Mitchell
Iselin, ext. 255

Kiyoshi Nakamura
Guest Investigator
Chem/Vaughan Bowen
Red. 3-32, ext. 341

Donna Penasse
Bookkeeping Mach. Op.
Controller/George Conway
Challenger, ext. 364

Michael Perry
Lab Assistant
OE/Larry Shumaker
Smith 301, ext. 407/408

Michael Purcell
Research Assistant
Bio/Ed Carpenter
Millstone Power Plant

Hans Schouten
Associate Scientist
Geology and Geophysics
Clark 243, ext. 574

Harry Whittemore
Research Assistant
PO/Terry Joyce
Clark 339, ext. 530

The idea of this sheet is to give everybody a chance to share ideas, efficient practices, and general information. If you have a bit of information that makes your life easier and that you think might be good for others to know about (or something you'd like us to find out about), call the Newsletter, ext. 252.

Typo Corrections

Russian Course

Newsletter, May 1975

Betty Guillard provides the following suggestion for those who make typing errors (most of us, sooner or later):

Isn't it a small but continuing exasperation that it's virutally impossible to make an undetectable typo correction on electric typewriter copy? Erasing is out of the question with the so-called "film" ribbons, there's no way to disguise the use of correction fluid, and with the electrically-driven key either striking or not, with no way to vary the impact with which it hits the page, the coated correction papers leave much to be desired. I've made a minor discovery which doesn't, of course, change the impact with which the key hits but does improve on the use of correction paper.

Say you've typed "mat" when you meant to type "cat". Typing a correction-paper "m" on top of the ribbon "m" gets rid of the "m", all right, but when you then superimpose the ribbon "c", the area covered by the correction-paper white-out doesn't match and you get an uneven impression since the ribbon impression doesn't "take" nearly as well on the whited-out area as on the unaffected area. Rigth? So, given the same situation, type a correction-paper "m" over the ribbon "m" and then, before making the final correction, type a correction-paper "c" on the same spot. Now when you type the carbon "c", the area the "c" covers is matched underneath by white-out and the final result is usually a clearer character. This works better with some combinations of letters than with others, but generally it's at least some improvement and sometimes it makes a great difference.

★★★★★★★★★★★★★★★★★★★★★★★★★★★★★

If there is sufficient interest, a short scientific Russian course will be taught this summer. Instructor Kevin Leaman says it would run 6 to 8 weeks, with 2 to 3 sessions each week. The basic course goals will include: learning the alphabet and attaining facility in searching for technical words in Russian-English dictionaries; learning technical words, phrases, etc. that are *similar* in Russian and English; learning technical words, phrases, etc. that are *different* in Russian and English. This part of the course will be primarily directed toward gaining the ability to read Russian scientific literature in the field of *physical oceanography*. Further course content will be based on the interests of people participating in the course.

If interested, please fill in and return to the Education Office, Clark 223:

Name _____ Department _____

Office Location _____ Phone _____

I am interested in the summer course in scientific Russian.