

MSRC Soundings



Vol IV, Issue 4

February 13, 1989

CALENDAR OF EVENTS February 13 - February 19

Mon

Tue

- Wed 1200 MSRC Weekly Seminar, Challenger 165 "Can We Revive the Blue Revolution?" by Frank Manheim/Jerry Schubel, MSRC
 - 1500 Brookhaven National Lab, Oceanographic Sciences
 Division Seminar Series, Building 318 Conference Room "The Role of Coccolithophores in Ocean Geochemical
 Cycles" by Patrick Holligan, Bigelow Laboratory Ocean
 Sciences
- Thu 1530 Faculty Coffee Dana Conference Room
- Fri 1600 Friday Discussion Group Challenger 163 "Recent
 Ideas on the Contribution of Large Diatoms to Oceanic
 New Production" by Tracy Villareal, MSRC Coastal Marine
 Scholar

MSRC Faculty Profile

David Conover

In April 1625, Wolfert Gerritsen Van Couwenhoven and his family left Holland bound for the New World. They were among the first settlers of Manhattan Island, later known as NYC. In 1636, Wolfert bought 3600 acres of land across the river in an area later known as Flatlands, Brooklyn. Several generations later the name was shortened to Counover and then Conover. Showing little aptitude for real estate investment, most of the Conovers moved to Little Egg Harbor, N.J. (LI was getting too crowded), and from there, all over the U.S., but all can be traced back to Wolfert.

I grew up in Homestead, Florida, a small agricultural town situated just south of Miami, just north of the Keys, and just east of the Everglades. Two things there were plenty of around my home town were winter vegetables and water. Consequently, the most important activities in life seemed to me, as a kid, to be farming and fishing. My father was a plant pathologist and just about everybody in my family turned out to be a scientist of some sort. Being the youngest, I tried to rebel during my high school years by threatening to major in music when I went to college. Only problem was, I didn't like to practice scales, etc. Science was easier for me than music. I ended up majoring in biology.

I spent a semester abroad in my senior year, a Kerouac-type experience (Fig. 1) that helped almost none in figuring out what to do next. I knew I liked to grow things, I liked water, and I liked fish so I decided to study fishery science. As a graduate student at UMASS Amherst, I soon developed an active interest in sex. The rest is history.

I never lost interest in music, especially traditional folk music. It was at a contradance in Amherst where I met Margaret. Contradancing is one of the best kept secrets around (ask me about it sometime). We now both play in a contradance band ("Still a Mystery") and call dances.

Of course, I'm still involved in growing things. These include two kids (Adam and Emily, ages 4 and 5), a dog, a large garden, and thousands of fish at Flax Pond.



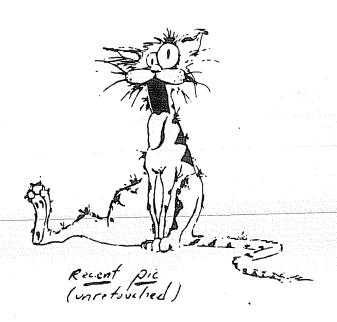
Fig. 1. On the Road...my passport photo, 1972.

MSRC STUDENT PROFILE

Mead Allison

Virginia. This flatland habitat gives one a unique perspective on life. For example, the only mountain I saw before age 10 was a 300 ft. pile of trash (Mt. Trashmore, Virginia Beach), which is the highest point in Tidewater. My interests in the water began early with a near drowning episode at a local pool at age 5 months. Don't let anyone tell you babies can swim without instruction — I sank like a stone. This exciting initiation, coupled with the resultant oxygen-deprivation to the brain, set me on a muddy path toward oceanography. My 'growth' years were spent happily playing in the York River (tributary estuary of the Chesapeake) chasing US Navy frigates in Sunfish, sneaking onto government piers to fish for rockfish at night and shellfishing for profit.

The onset of adulthood forced me to enter college to avoid working and/or starving. I determined to pursue my early interests in natural science and was seduced by geology, because of its field-oriented nature and lack of reliance on quantitative data. I grew to enjoy making up arm-waving stories just like my professors. Having been captured, I headed off to eastern North Carolina for graduate school, where I developed a taste for cheap beer, continental margins and reggae. I also was lucky enough to meet someone who would put up with my continually tracking dirt into the house - my wife and better half. Victoria. On to SUNY, where my research interests are muddy (plastic, soupy, gorpy, dried, interlaminated, etc.), specifically the use of radioisotopes on Brazilian muds. As you can see below, radiation has been quite beneficial to me. Aiuto!



MSRC STUDENT PROFILE Xiao-Hai Yan

Having been at the MSRC (and also in the U.S.) for three and one half years, many MSRC people know me or have seen me around, mostly around computer rooms. My name, Xiao-Hai, (a beautiful Chinese name) has several different meanings in Chinese. It could mean "the morning on the ocean" or "to understand the ocean" as well as simply "a small ocean". When I first met the ocean, when I was seven years old, I was amazed. The ocean is so big .. how could it be called small. I never realized until I became a remote sensing scientist that indeed my father was correct. Looking from a satellite, the whole world ocean is sometimes as small as one's hand, or as big as a computer screen, but never larger than that.

I trained as a marine geologist at Tongchi University in Shanghai, and later, as a remote sensing scientist as the Institute of Technical Physics, Academia Sinica. That has made the rest of my life much easier since I have both knowledge of oceanography and digital image processing, and have both theoretical and practical experience. Playing with computers and handling digital satellite images for me is as fun as playing a game. I love it.

I consider myself extremely fortunate to have had the opportunity of meeting Dr. Schubel in Shanghai in the spring of 1195, which helped me make the decision to move to the MSRC and the U.S. I should thank him and my co-advisor, Dr. Pritchard, for having the confidence in me to allow me the independence to pursue my own research interests, for their guidance and encouragement, and for generously sharing their time and knowledge in oceanography and physics. I should also thank the many professors, staff, and fellow classmates who gave me, in one way or another, warmth, friendliness, and help. Right now, I am working on the final draft of my Ph.D dissertation, related to the applications of remote sensing to the studies of oceanic upper mixed layer dynamics, parts of which I have already submitted to journals and presented at four scientific conferences in the last year.

I will leave soon for California with my wife, Yi-Hong, and son, Ming-Ming. But I will never forget the MSRC, my first stop in the U.S., the people here -- they are diligent, intelligent, and friendly -- and the summer beaches on Long Island. We wish



* David S. Jury, a final year biology student at Portsmouth Polytechnic, is interested in a position at the MSRC as of July 1989. His cv is on file in the main office.

ship Schedule Requests . . .
* The R/V Cape Henlopen is
available for 1990 research
cruises. Requests deadline is
March 1.

BLACK HISTORY MONTH Exhibitions scheduled throughout the month of February, and sponsored by the Department of Student Union and Activities, the Africana Studies Department, and the Minority Planning Board are open to all. Please see the board outside the main office for more details.

* A pocket-size, field guide published by the LI Shell Club is available by special order at \$14.95 each. The text provides photos, descriptions, range and local distribution data and information on habitat, breeding habits, etc., for over 100 species found on the shores and in the shallow waters around Long Island.

CONFERENCES, AND MEETINGS . . . * The 15th NYS Marine Education Association Annual Member's Conference will be held June 3-4. The theme of this year's conference is "Bridge Over Troubled Water". Deadline for presenters is February 22.

<u>CONGRATULATIONS</u> We are pleased to announce that Jeri Schoof has been awarded the President's Award for Excellence in Professional Service. This award is given annually to those deserving of this distinction. We are especially pleased that the University is finally acknowledging what we at the Center have known for a very long time. She will receive a certificate acknowledging her achievement, dinner at President Marburger's home, and

a cash award.

SEA GRANT SCHOLARSHIP There is a Sea Grant Scholarship available to work on a research project investigating fluxes of metals and 210 Pb in salt marshes on Long Island. Project involves field and laboratory work; stipend \$12k, probably available for 2 years. See David Hirschberg or Kirk Cochran if interested.

"GRANDFATHER CLAUSE" All students admitted in 1986 or before can still use the "Grandfather Clause".

We are pleased to announce that Trudy Bell has joined the MSRC on a full-time basis as an Editorial Associate. She will be in charge of the Center's newsletter and annual reports, as well as being on the alert for newsworthy stories. If you have anything that you would like to see publicized, you should let Trudy know. will be letting the communityat-large know what we do here. Trudy will be in Discovery Hall, Room 125 until further notice.

<u>CUTOFF</u> <u>DATE</u> <u>FOR</u> <u>SUBMISSION</u> <u>OF</u> <u>PURCHASE</u> <u>REQUISITIONS</u>

This year the final date for submission of purchase requisitions for non-contract material, with a dollar value of \$10,000 or more, will be 13 February. Purchase regs for sole course items or P-contract purchases which exceed \$10,000 may be submitted to purchasing no later than 28 February. All other purchase reqs, regardless of the dollar value, must be submitted no later than 28 February. The only exceptions that will be made are for emergencies (which represent a clear and imminent danger to life and property).

New year reqs may be submitted on March 1, and should be clearly identified as "89/90 fiscal year funds". These orders will not be released to vendors until the 89/90 budget is approved.

CENTER CONTRIBUTION SERIES .

The Center maintains a listing of all publications produced by personnel. This "Contribution Series" is for papers which have been accepted, not merely submitted, have been for publication in refereed journals or books. You should cite this series in acknowledgement section of your paper when it is submitted to the publisher as "Contribution XXX of the Marine Sciences Research Center, SUNY, Stony Brook, NY". When the paper is accepted for publication, you would replace the XXX with a number you obtain from Theresa or Sharyn.

Scholarships or fellowships granted before August 17, 1986

For purposes of the effective date rules relating to section 117 of the Code, a scholarship or fellowship will be considered granted before August 17, 1986, to the extent that, in a notice of award made before that date, the grantor made a firm commitment to provide the recipient with a fixed cash amount or a readily determinable amount. If a scholarship or fellowship was granted for a period exceeding one academic period (e.g., semester), amounts received in subsequent academic periods will be treated as granted before August 17, 1986, only if (1) the amount awarded for the first academic period is described in the original notice of award as a fixed cash amount or readily determinable amount, (2) the criginal notice of award contains a firm commitment by the grantor to provide the scholarship or fellowship amount for more than one academic period, and (3) the recipient is not required to reapply to the grantor in order to receive the scholarship or fellowship grant in future academic periods. A requirement that the recipient file a financial statement on an annual basis to show continuing financial need will not be treated as a requirement to reapply to the

If a scholarship or fellowship satisfying the requirements of the preceding paragraph does not describe the amount to be received in subsequent academic periods as either a fixed cash amount or readily determinable amount, it is presumed that the amount granted before August 17, 1986, to be received in each subsequent academic period is equal to the amount granted for the initial academic period. To the extent that any amount received in a subsequent academic period exceeds the amount received in the initial academic period, the excess amount is treated as a scholarship or fellowship granted after August 16, 1986.

Example 1. On May 1, 1986, A is notified of a scholarship made in the amount of \$4000 annually for four years. The total amount of the scholarship is a fixed cash amount. Thus, the total amount of the scholarship for all four years is subject to section 117 of the Code, prior to

its amendment by the Act.

Example 2. On May 1, 1986, B is notified of a scholarship that will pay for B's tuition, room, and board for four years. The total amount of the scholarship is readily determinable. Thus, the total amount of the scholarship for all four years is subject to section 117 of

the Code, prior to its amendment.

Example 3. On May 1, 1986, C is notified that she is the recipient of a scholarship to attend University X. The notice provides that University X will provide scholarship funds for four years, and specifies that C will receive \$5000 during the first year. C is not required to reapply in order to receive scholarship funds during years 2 through 4. However, the notice does not specify the scholariship funds to be received in years 2 through 4. The \$5000 received in year 1 is treated as granted before August 17, 1986, because this amount is a fixed cash amount described in the notice of award. In addition, because University X has made a specific commitment to provide scholarship funds during years 2 through 4 without requiring C to reapply for the scholarship, an amount equal to \$5000 per year is treated as granted before August 17, 1986 during years 2 through 4. Thus, if C receives \$4000 in year 2, the entire amount is treated as granted before August 17, 1986. If, in year 3, C receives

\$6000, only \$5000 of the amount received is treated as granted before August 17, 1986. The addition \$1000 received in year 3 is treated as granted after August 16, 1986.

ALASKAN DEEP FREEZE - FIRSTHAND!

One of the most interesting features of the OMNET electronic mail system is it's ability to group messages into "boards"- that is, to allow special interest groups to have their own logical "area" to exchange There are nearly messages. hundred boards on CMNET with topics ranging from "WOCE" to "MICRO.USERS" to the ever popular "JOBS". Anyway, one board of general interest is "I.WITNESS" witness") (read "eye where people who are present events post newsworthy firsthand messages on their experiences. Last summer the Wyoming Centennial Everest "Cowboys Expedition (a.k.a. Everest") kept track of the weather communicating via portable satellite dish and OMNET to a long range forecasting center at Penn Although the expedition didn't make it to the top of Mt. Everest, they did manage to keep all their fingers and toes, which is a tribute to the efficacy of their forecasting (this year alone, six climbers from other expeditions died on Everest). The daily reports were posted on I.WITNESS, and I have on the bulletin printouts board outside the Electronics Shop anyone wants an interesting read.

The following was posted recently as a firsthand account of the cold wave in Alaska. Jill McKay of Omnet's service bureau solicited it from Seward Station, which they believed to be the most northerly Omnet mailbox in Alaska.

-Tom Wilson

2 February 1989

Dear Jill McKay:

Alas, we [SEWARD.STATION] are not the most northern address... ALASKA.INST is the main campus of the U. of Alaska, Institute of Marine Science in Fairbanks. Last waek, believe it or not, I drove up there to see for myself what all the fuss was about, it being only minus ten degrees here in Seward. Sure enough, for an outsider, the conditions were extraordinary. However, the locals seemed only mildly concerned.

Leaving for the University on my coldest morning (it has been colder since I left) the two thermometers on the porch registered -56! Cats are not let out at these temperatures but I was, only after being bundled up like a toddler. Did you know that those fur-edged hoods are designed to form a tunnel of non-moving air to eliminate the wind chill factor from the equation? The engine heaters were unplugged from the car, door latches persuaded to latch and off we went. Tire rubber freezes with flat spots, Shocks and springs are inflexible and generally moving parts groan until, presumably, friction warms them a mile or so down the road.

Ice Fog. Another phenomena to complicate things, the water vapor that is a by-product of combustion freezes and hangs suspended over the roadways on the typically windless cold days. One of my hosts rode his bike to work and it was startling to see him looming out of this dense fog as he wore an array of reflectors and flashing lights for the conditions.

Vehicles are again plugged into receptacles around the University parking lot looking rather like they are tethered to hitching posts. A little extra time is spent over coffee discussing each others adventures. Fan belts! They seem to be a weak link in the automotive mechanism. Propane freezes and fuel oil does not flow (but wood splits very nicely) etc..

At the end of my stay I was beginning to enjoy the uniqueness of the situation and to feel comfortable enough to walk the mile to the Pizza Parlor enjoying the Northern Lights.

Well Jill, that's enough of an idea without going into the complications of frozen pipes and frostbite that you can experience anywhere. Also some locals here in Seward remarked in Sept. that the beavers were building extra large houses [last fall].

Scholarships and Fellowships Granted Before August 17, 1986

Awards granted before August 17, 1986 are subject to previous tax laws; i.e., most likely nontaxable. The guidelines consider a grant to be grandfathered if the notification made prior to August 16, 1986 contained a <u>firm commitment</u> to provide the recipient with a <u>fixed cash amount</u> or a <u>readily determinable amount</u>.

The portion of multi-semester and multi-year awards disbursed after August 16, 1986 may be grandfathered if the original notice:

- a) Described the original academic period award as a "fixed cash amount or a readily terminable amount;"
- b) Contained a "firm commitment" to provide support for more than one academic period; and
- c) Did not require the student to reapply in order to continue to receive the award. (A required demonstration of continued financial need is not considered reapplying.)

An award which otherwise meets the qualifications above, but does not specify a fixed cash amount or a readily determinable amount of support for each of the subsequent years, will be presumed by the I.R.S. to commit to the same dollar amount for the later payments. The Notice appears to conclude that unexpected increases in awards will not jeopardize grandfathering the entire award, but that the increase in the award will become subject to the new tax law. (Please note the three examples of how awards are treated in the attached Notice).

When completing their income tax forms, students are advised to reflect as accurately as possible their true taxable income on the appropriate lines. A simple notation such as "per Tax Reform Act of 1986 Grandfather clause, Notice 87-31" is all that is needed on the Form. It is advised by the I.R.S. not to attach any documentation relevant to the students' nontaxable stipends.

Due to the complex nature of the Tax Reform Act and its implications on graduate student stipends, please advise your students that they should direct any further questions about their taxes to a tax specialist, an accountant or the I.R.S.

- * The Seventh Annual Remotely Operated Vehicle Conference and Exhibition (ROV '89) will be held in San Diego March 13-16. Reservation forms are requested by February 25.
- * The Joint 1989 Spring Meeting of NEERS and SNEC AFS will be held June 1-3 at East Lyme, CT. Abstract deadline is April 1.

We have need of a temporary, part-time (20 hours per week, approximately one month) lab assistant to help in preparation for our GOFS (Global Ocean Flux Study) participation this spring. A good opportunity for a student to earn some extra money. See David Hirschberg or Kirk Cochran for details.

JOBS BULLETIN BOARD FROM TELEMAIL

Bulletin Board contains:

Feb 7 13:08 ADMIN

| Delivered | | | From | Subject |
|-----------|---|------|--------------|----------------------------------|
| Feb | 6 | 9:29 | ADMIN | Postdoctoral Position Ultrasonic |
| Feb | 7 | 9:49 | H. FREY, NOS | PHYSICAL SCIENCE AID POSITION AT |

OCEAN BULLETIN BOARD FROM TELEMAIL

Bulletin Board contains:

| Delivered | | | From | Subject |
|--|---------------------------------|--|--|--|
| Feb Feb Feb Feb Feb Feb | 2 2 3 6 6 7 8 | 4:59 19:03 11:24 9:24 11:05 10:13 9:55 | S.BENNETT MAFF.LOWESTOFT F.CAVA NMC.CAC INTL.TOGA NODC.WDCA M.BOWMAN R.DUCE F.CAVA | NOAA Climate Seminar 2/13/89 Change of Address. CALL FOR ARTICLES CAC January indices TOGA CONFERENCE 1990 NODC DATA RCPTS JAN 13-26 '89 Marine Microbiology, SUNY Stony MARIE (BOBBIE) FISH HELP WITH SPANISH TRANSLATION |

SCIENCE BULLETIN BOARD FROM TELEMAIL

SUNY - Marine Microbiology

Bulletin Board contains:

| Delivered | | | From | Subject |
|---------------------------------|----------------------------|---|---|---|
| Feb Feb Feb Feb Feb | 2 3 3 3 7 7 | 5:00 6:46 15:57 15:59 16:51 10:30 10:33 | S.BENNETT MAFF.LOWESTOFT S.BENNETT JOI.INC JOI.INC M.LOUGHRIDGE D.EVANS.ONR D.EVANS.ONR | NOAA Climate Seminar 2/13/89 Change of Address. Arctic Basin Drilling Seminar NEW TELEX NUMBER NEW TELEX NUMBER CORRECTION! TROY HOLCOMBE NEW MAILBOX ONR Phys O Planning - short ONR Phys O Planning - long |
| rep | / | TO:38 | D.EVANS.ONR | ONR Subduction ARI Plans |

PERSONAL I still have the 15 gallon hexagon-shaped aquarium for sale - \$95. Also, I have a new collects who international postage stamps. If you receive letters from outside the US and usually throw the envelopes and stamps out, would you cut off the stamps and place them in my mailbox. Thanks, Jeri.

INTEREST IS INVITED FOR USE OF T/S TEXAS CLIPPER AS A SHIP-OF-OPPORTUNITY DURING ITS 1989 SUNNER CRUISE. LEGS OF CRUISE ARE:

6-10 JUNE, GALVESTON PORT CANAVERAL; 14-30 JUNE, PORT CANAVERAL TO LISBON; 4-8 JULY, LISBON TO PALMA, MAJORCA; 12-17 JULY, PALMA TO CANARY ISLANDS; 21 JULY-5 AUGUST, CANARY ISLANDS TO GALVESTON. HYDRO WINCH, XBT LAUNCHER, ATS COMMUNICATIONS AND MARSAT ABOARD. UNDERWAY MEASUREMENTS UNLIMITED. DAILY SHALLOW STATIONS POSSIBLE. LIMITED ACCOMMODATIONS FOR VISITING SCIENTISTS. AMPLE STORAGE SPACE. IF INTERESTED OR FOR ADDITIONAL INFORMATION CONTACT FOR ADDITIONAL INTERESTED OR FOR ADDITIONAL INFORMATION, CONTACT F. C. SCHLENNER AT 409-740-4518.



MSRC Soundings



Vol IV, Issue 5

February 20, 1989

CALENDAR OF EVENTS February 20 - February 26

Mon

Tue

- Wed 1200 MSRC Weekly Seminar, Challenger 165 "Recruitment of Deep Sea Benthic Invertebrates in Response to Boundary Layer Flow Manipulations" by Dr. Lauren Mullineaux, Woods Hole Oceanographic Institution
 - 1500 Brookhaven National Lab, Oceanographic Sciences
 Division Seminar Series, Building 318 Conference Room "Ocean Transient Tracers and the Prediction of Climate
 Change" by Douglas Wallace, BNL, OSD
- Thu 1530 Faculty Coffee Dana Conference Room
- Fri 1600 Friday Discussion Group Challenger 163 "Dolphin and Seabird Ecology in the Eastern Tropical Pacific: A Review of the National Marine Fisheries Service Management of Porpoise Stocks (MOPS) Project 1987-1988" by Jim Carretta, Southampton College/MSRC, Former Observer at NOAA

All the News That Fits on a Page.

The

Tonights Weather: Dark. Followed by widely scattered light in the morning.

John Reinfelder Profile

Yol. 24 No. 1

February, 1989

This month:

Trombone gets new bend in this guys hands!

Johnny - a fisherman's son looks back on 18 years in Little Neck, Queens

<u>Music Review:</u>

Young Ph.D. student joins heavy metal

Exclusive:

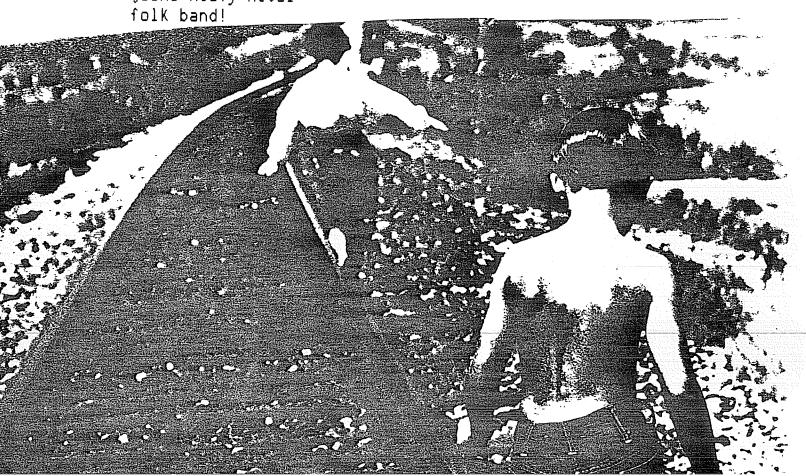
Johns Hopkins student found not studying (seen on research schooner in Caribbean)

sports:

What possessed his mother to give him a basketball for X-mas?!

inside-

Famous places I've paint $\boldsymbol{\varepsilon}$



<u>CUTOFF DATE FOR SUBMISSION OF PURCHASE REQUISITIONS</u>

This year the final date for submission of purchase requisitions for non-contract material, with a dollar value of \$10,000 or more, will be 13 February. Purchase regs for sole course items or P-contract purchases which exceed \$10,000 may be submitted to purchasing no later than 28 February. All other purchase reqs; regardless of the dollar value, must be submitted no later than 28 February. The only exceptions that will be made are for emergencies (which represent a clear and imminent danger to life and property).

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J. David Lucyk has joined the staff of the MSRC Electronics and Ocean Instrument Facility. David hails originally where he spent Canada, some years maintaining wave current instrumentation associated with offshore More recently, platforms. has been a consultant on custom electronics packages cruising yachts. David's new office, (also the new office for Henry Harrison) is Discovery One of David's jobs will be the day-to-day operation of the Equipment. Rental Please see him first scheduling, checkin. checkout of equipment. If don't need to rent anything, drop by anyway and welcome him to the Center. David can be easily spotted by overwhelmed look and blue coat with "Beaker" emblazoned on the breast pocket.

-Dr. Bunsen Honeydew (a.k.a. Tom Wilson)

EXCHANGE PROGRAM * The National Academy of Science is sponsoring exchange programs οf individual scientists with the Academies of Sciences of the USSR, Bulgaria, Czechoslovakia, The German Democratic Republic, Hungary, Poland, Rumania, and Yuqoslavia. The programs are intended to facilitate exchanges that will lead to significant scientific publications jointly authored by US and foreign colleagues in areas of high scientific interest.

MEETINGS AND CONFERENCES ...

* The Hudson River
Environmental Society presents
the 7th Symposium on Hudson
River Ecology "The Hudson River
Estuarine Research in the
1980's" April 5-6 in
Poughkeepsie, NY.

* The Office of Water, USEPA, is sponsoring a national workshop on "Financing Strong State Water Programs in New Ways" on March 20-21 in Denver, Colorado. Advance registration deadline: March 6.

* The NE Branch of the American Division of the American Dairy Science Association and the NE Section of the American Society of Animal Science Graduate Student Competition Program for 1989 will be held during the annual meeting at the University of Maine, Orono, July 9-11.

* The School of Ocean Sciences University College of North Wales is accepting applicants for their MSc courses in Shellfish Biology Fisheries and Culture, and Marine Environmental Protection.

The Coastal Sciences Program of the Office of Naval Research (ONR) has issued its annual call for planning letters. Planning letters are a brief "pre-proposal" which describe a prospective investigator's proposed work in some detail. These planning letters allow the ONR Coastal Sciences Program manager to plan for the allocation of program resources.

The Coastal Sciences program is directed toward a broad range of BASIC research issues in the coastal environment. Current areas of interest include physical processes on the continental shelf, in the nearshore zone and in the coastal boundary (e.g., straits and semi-enclosed seas). Also of some interest are interactions between physical processes and acoustic, meteorological, geological, biological and optical processes.

RESEARCH OPPORTUNITIES

- * The National Estuarine Reserve Research System, Marine and Estuarine Management Division of NOAA, has distributed an announcement of research opportunities for FY 1990.
- * A five-year program of basic research on mechanisms associated with chemo reception in vertebrate olfactory systems and in marine invertebrate species has been initiated by the Office of Naval Research. Preproposals deadline: March 1; formal proposals deadline: July 1, 1989 or February 1,
- * The Hudson River Foundation has announced a call for proposals. Please note that the Foundation will have only one formal funding cycle for Hudson River Research Grants in 1989. Proposals are due on or before March 31.

Planning letters for consideration in the FY 90 program are due by 28 February 1989.

A detailed description of the requirements and the format for planning letters has been sent to investigators presently funded by this program. If you are interested in submitting a planning letter, request a copy of these instructions from ether T.KINDER or A.BRANDT [on OMNET].

Tom Kinder and Alan Brandt

P.S. I will send a request on OMNET for this info if anyone wants it...

Tom Wilson

EMPLOYMENT OPPORTUNITIES . .

- * KCA Research, Inc., a company responsible for gathering information from U.S. recreational fisherman about their fishing activities, has part-time and summer positions available. Pay is \$6/hr and \$.28/mile. Applicants must be able to identify marine fish to the species level.
- * The Kansas Geological Survey has a permanent position available for a high-resolution reflection seismologist. The salary is \$32,000 \$40,000. Deadline: May 1.
- * The Cornell Waste Management Institute is soliciting applications for candidates to work in the development and implementation of public education, technical assistance and applied research programs relating to solid waste management. Salary dependent upon qualifications. Send resume to E. Harrison, 468 Hollister, Cornell University, Ithaca, NY 14853.
- * Department of Biology at SMU is looking to fill a position in the area of marine biology, commencing academic year 1989/90.

StonyBrook

Office of Vice President for Finance and Management State University of New York at Stony Brook Stony Brook, New York 11794-1001 telephone: (516) 632-6110

MEMORANDUM

TO:

All Staff, Faculty, Students and Others

who use Software Acquired by the SUSB from Outside Sources

FROM:

Rosemarie Williams Nolan, G

Administrator for Claims, Records and Risk Management

SUBJECT:

Compliance with Copyright Laws

DATE:

February 6, 1989

President Marburger has asked me to advise members of the university community that it is the policy of our campus, as a user of computer software acquired from outside sources, to comply with the Federal copyright statutes. In particular no University related business should be conducted using unauthorized software.

Accordingly, all users of such software products should be aware that the making of any copies beyond the number allowed under the individual licensing agreements, or copying programs for personal use or further resale, may constitute violations of Federal copyright laws. It is important that you familiarize yourselves with the terms of the licensing agreements for software you purchase.

If an employee is individually sued and it is determined that that individual intentionally violated this policy and hence relevant copyright statutes, the Office of the Attorney General may see fit to deny defense and indemnification to such an employee in that such acts may be considered willful or intentional and therefore outside the scope of the protection afforded under Public Officers Law §17. Such an employee may be personally liable for any and all penalties as well as for legal fees.

Your cooperation on these matters is urgently requested in that we are interested in protecting Stony Brook and its employees from the jeopardy of possible lawsuits brought under the copyright statutes.

Thank you very much for your continued help and cooperation.

BOOKLETS\PAMPHLETS * The main office has a copy of the FY 1989 EPA Research Program Guide distributed by the US Environmental Protection Agency. Stop by to see it at any time.

* The US Army Corps of Engineers, Waterways Experiment Station, has distributed a Broad Agency Announcement re proposals and preproposals. Stop by to see it at any time.

4TH INTERNATIONAL STUDENT DINNER is coming up. So, keep Friday, March 31 free! Anyone with ideas, suggestions, or a wish to participate in the cooking or entertainment, see someone with a funny accent. Check for frequent updates.

We challenge the foreign faculty to be involved in the entertainment!!

The Foreign Students

Marie Poland (Bobbie) Fish, a pioneer in underwater bioacoustics, died February 2 at the age of 88. She and her husband, the late Charles D. Fish, founded the Narragansett Marine Laboratory in the midthirties, a facility that became in time the Graduate School of Oceanography of The University of Rhode Island.

GREETINGS FROM D.C.!! Su Fouke, now in D.C. as a Sea Grant Fellow on the House Subcommittee on Fish and Wildlife Conservation and the Environment, sends greetings as well as a recent publication perhaps of interest to MSRC folks: Coastal Waters in Jeopardy: Reversing the Decline and Protecting America's Coastal Resources. This oversight report is available in the reading room.

OCEAN BULLETIN BOARD FROM TELEMAIL

Bulletin Board contains:

| Delivered | From | Subject |
|---------------------------|---------------|---|
| Feb 9 9:58 Feb 9 10:10 | T.KINDER | MTS D.C. Section Meeting Feb 16 CME Meeting Feb 27 - 28 ONR Phys O Planning |
| | L.ROSENFELD | new address for L.Rosenfeld |
| | B L.ROSENFELD | new CIMAS mailbox |
| | B H.DOLEZALEK | US/German Ocean SAR Experiment P |
| Feb 11 17:18 | G.LIKENS | new address for George McManus |
| Feb 13 10:3 | A.WEINSTEIN | ONR YOUNG INVESTIGATOR PROGRAM (|
| Feb 13 15:4 | T.KINDER | ONR Coastal Sciences Planning |
| Feb 13 19:29 | C.PETERSON | Mol. Biol. Post Doc. |
| Feb 15 5:1 | MARIS.OFFICE | News from Holland |

JOBS BULLETIN BOARD FROM TELEMAIL

Bulletin Board contains:

Delivered From Subject

Feb 13 19:29 C.PETERSON Mol. Biol. Post Doc.

FISH BULLETIN BOARD FROM TELEMAIL

Bulletin Board contains:

Delivered From Subject

Feb 10 14:47 OMNET.SERVICE Aquaculture '89

Feb 14 10:04 CAMBRIDGE.SCIENTIFIC Aquaculture '89



Vol IV, Issue 6

February 27, 1989

CALENDAR OF EVENTS February 27 - March 5

Mon

Tue 1200 MSRC Weekly Seminar, Challenger 165 - "Pelagic-Benthic Coupling in Coastal Boreal Waters" by Dr. Paul Wassmann of the Norwegian College for Fishery Science, University of Tromso, Tromso, Norway (Host: Cindy Lee)

Wed 1200 MSRC Weekly Seminar Held on Tuesday This Week Only

1500 Brookhaven National Lab, Oceanographic Sciences
Division Seminar Series, Building 318 Conference Room Alain Vezina, Department d' Oceanographie, Universite
de Quebec a Rimouski

Thu 1530 Faculty Coffee - Dana Conference Room

Fri 1600 Friday Discussion Group - Challenger 163 - "Time Scales of Adaptations to Food Variability by a Marine Copepod" by Patrick Hassett, MSRC

MSRC PROFILE: jim rine

PROFESSION:

marine geologist

HOBBIES:

running, sketching, sipping
"Oh well."

FAVORITE QUOTE:

NEXT BOOK TO READ: Satanic Verses

DRINK OF CHOICE:

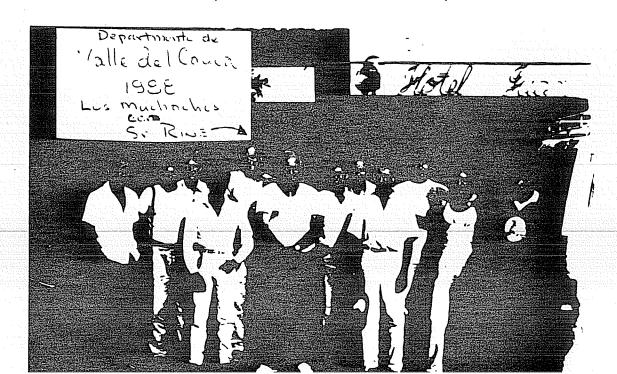
red wine, very cheap

SYNOPSIS: LIFE OF RINE

Jim was born and raised in "Motown," Detroit, Michigan. Jim decided to become an oceanographer during the heady days of the "Blue Revolution," which he feels began with the first episode of the TV series $\underline{\text{Sea}}$ $\underline{\text{Hunt}}$ and ended with the last episode of Flipper. Leaving the green waters of the Great Lakes, he spent his undergraduate days at the Univ. of Miami. Graduate school followed immediately after attending Armor Officer's School ("Clank, clank I'm a tank.") and Ranger School ("Yo!") and spending three years as a cavalry officer dodging beer steins and schnapps glasses in Germany. While at Rosenstiel School of Marine and Atmospheric Sciences (home of the "original" Soundings), Jim became thoroughly disgusted with the "blue water" geology of Florida and the Bahamas. Consequently, he quickly jumped at the opportunity to do his dissertation along the muddy coastline of the Guianas, halfway between Devil's Island and Jonestown. (Jim is still fond of mud or he would not be working with Chuck Nittrouer.)

After completing his dissertation, Jim began looking at both modern and ancient marine sediments while involved with petroleum related studies. Modern studies involved continental shelf sands along the eastern shelf of the U.S.A. Studies of ancient marine sandstones in Canada and the U.S. were his main topics of investigation while at the CITCO research facility in Tulsa, Oklahoma (located along the shores of the Cretaceous Seaway). After a short sabbatical, at the suggestion of Armand Hammer, Jim joined a geologic service company in the Bayou City (Houston), and subsequently spent over six months studying an ancient fan delta complex within the Gulf of Suez, Egypt. (He also found the ultimate in skin diving off the southern tip of the Sinai). In 1988, Jim spent seven months in Colombia, South America while affiliated with the Univ. of South Carolina. In Colombia he supervised a field team of U.S. and Colombian geologists which discovered an interesting array of rocks, types of structural deformation, drug laboratories, guerillas, and bandidos.

Jim is presently involved with the Amazon shelf study (AmasSeds) and with studies of continental shelf sand bodies off N.J./N.Y. He is also interested in aiding other MSRC researchers in the examination of nearshore environments of Long Island. He is happy to be at MSRC and back with marine sediments that are not always rock-hard or covered with deserts or jungles. Jim resides in Miller Place and will soon be joined by Ms. Suzanne Starnes who has kindly consented to married him on April 15th.



MSRC STUDENT PROFILE Pirzada J. A. Siddiqui

It is often difficult to write about yourself. When I was asked to write a profile, I started thinking - where to start. It seems appropriate to tell you (to begin this article) that I was born in Karachi. It is the largest city of Pakistan bordering northern Arabian Sea. Being a coastal and an industrial city, Karachi is as populated and as polluted as it should be. I lived all my life near seaport. When I reached the age of perceiving objects and making sense out of them, the first thing I admired was the blue ocean water seen through my bedroom window. I don't remember how many hours and days of my childhood were spent watching steaming ships being pulled in and out of the port. Childhood is the golden age. You behave the way you are. As we grow up we learn to live artificial lives. I loved my childhood.

After completing (most unwillingly) high school education, I realized the importance of education. I entered the University, got B.S. (Hons.) in physiology and M.S. in marine sciences. Then I was awarded a Fellowship at the Institute of Marine Biology for M.Phil research, which dealt with the production and decomposition of mangrove litter.

I should be thankful to the Government of Pakistan for awarding scholarship to study abroad. Fortunately, I chose to join MSRC's Ph.D program. During past few months I experienced a friendly and academically sound environment here. I like the place and people around.



<u>** Positions are available with</u>
the Cornell Cooperative
Extension. There are entry
level positions, as well as
those with experience required,
available.

* The School for Field Studies has 1989 summer faculty positions available. Faculty will receive support for 10 weeks for teaching and conducting field research with undergraduate students.

* There are two summer position/internship openings for environmental educators at the University of Maine Cooperative Extension Service in Orono, ME. Salary \$1,200-\$1,600 + mileage. Deadline: May 12.

* The U.S. Department of Commerce has issued a Senior Executive Service Vacancy Announcement. Information on file in the main office.

CALL FOR PROPOSALS . . * The Army Corps of Engineers is seeking potential applicants cost-shared research, for development and technology transfer projects between them and the U.S. Construction Industry. The purpose of this Construction Productivity Advancement Research (CPAR) Program is to assist the US Construction Industry enhancing its productivity and domestic and international competitive position through the development and reduction-toof practice advanced technologies, materials and construction management systems. Deadline March 15.

CUTOFF DATE FOR SUBMISSION OF PURCHASE REQUISITIONS

This year the final date for submission οf purchase requisitions for non-contract material, with a dollar value of \$10,000 or more, will be 13 February. Purchase reqs for sole course items or P-contract purchases which exceed \$10,000 may be submitted to purchasing no later than 28 February. All other purchase regs, regardless of the dollar value, must be submitted no later than 28 February. The only exceptions that will be made are for emergencies (which represent a clear and imminent danger to life and property).

New year reqs may be submitted on March 1, and should be clearly identified as "89/90 fiscal year funds". These orders will not be released to vendors until the 89/90 budget is approved.

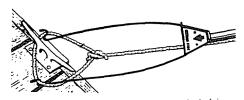
FROM THE GRAPHICS DEPARTMENT . . Any faculty or staff member interested in obtaining MSRC business cards and who can pay for them on Research monies, contact Mitzi by March 1, 1989.

MARK YOUR CALENDARS Distinguished Visiting Scholar, Ken Denman of the Institute of Ocean Sciences, Vancouver Island will be at the MSRC the week of March 6-10.

L. Don Wright of VIMS, Gloucester Point, VA will be at the Center the week of May 1-5.



* The Student Alumni Chapter and the Alumni Association, with support from FSA, are sponsoring various programs and activities this winter and spring. For information, see the "Activities Bulletin Board" across from the mailroom.



DOCK GRABBER-The simplest way to loop a mooring line over a clear or plling.

* IMPORTANT NOTICE *

THE DOORS TO OUR BUILDINGS AT MSRC ARE CONSISTENTLY BEING FOUND UNLOCKED AND/OR PROPPED OPEN. SECURITY IS A MAJOR CONCERN AT MSRC AND THE FEW OF YOU WHO ARE TOO LAZY TO CARRY YOUR DOOR KEY WITH YOU ARE CAUSING A PROBLEM FOR US ALL. SO PLEASE CARRY YOUR KEY AND DO NOT PROP OPEN DOORS!

Cliff Jones

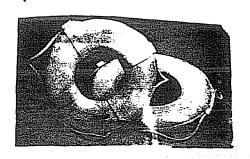
HONORARY DEGREE TO BE AWARDED .
Karl K. Turekian will receive an honorary degree from Stony Brook during Commencement in May.

SCHOLARSHIP ANNOUNCEMENT....

* The National Capital Shell
Club of Washington, DC is
offering a scholarship of \$1,000
to a graduate student in the
field of malacology. Deadline:
April 30.

TAX SEMINARS
The Office of Foreign Student Affairs is sponsoring a Tax Seminar to assist foreign students in complying with IRS regulations. The seminar is open to both undergraduate and graduate students. It will be held in the SB Union auditorium from 1:00 to 5:00 on Wednesday, March 1. Questions can be answered by calling 2-7025.

The Graduate Office has also arranged for a seminar geared toward graduate students to help them with their IRS questions. Issues related to tuition scholarships, stipends, and fellowships will be addressed. The seminar will be held in the Javits Lecture Center, Room 110, from 2:00 to 4:00 on Friday, March 3. Seating is limited, so arrive early. Questions can be answered by calling 2-7040.



JOBS BULLETIN BOARD FROM OMNET

Bulletin Board contains:

| Delivered | From | Subject |
|--------------|----------|-------------------------------|
| Feb 16 13:19 | | Data Archivist |
| Feb 21 10:55 | D.TAYLOR | Post-doc in Ocean Sciences |
| Feb 22 15:12 | ADMIN | FSU - Postdoc/Ocean Modellers |

OCEAN BULLETIN BOARD FROM OMNET

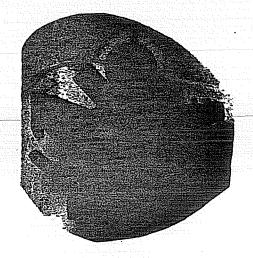
Bulletin Board contains:

| Delivered | | | red | From | Subject |
|-----------|-----|----|-------|----------------------|----------------------------------|
| | Feb | 16 | 13:21 | M.STERN | NEW MAIL BOX |
| | Feb | 17 | 12:01 | D.ODELL | MARINE MAMMAL MEETING |
| | Feb | 17 | 16:35 | WEST.INDIES.LAB | Undersea Research Proposal Solic |
| | Feb | 20 | 14:47 | M.RAWSON.GA | New Mail Box - University of Geo |
| | Feb | 20 | 19:04 | O.BROWN | ATS Facility Fire |
| | Feb | 21 | 13:13 | M.RAWSON | CHANGE OF T.MAIL ADDRESS |
| | Feb | 22 | 7:40 | OCEANOGRAPHY.SOCIETY | INAUGURAL MEETING: READ 1st |
| | Feb | 22 | 7:43 | OCEANOGRAPHY.SOCIETY | INAUGURAL MEETING |
| | Feb | 22 | 8:50 | N.MARCUS | Cruise Time |
| | Feb | 22 | 15:03 | WEST.INDIES.LAB | underwater research solicitation |

SCIENCE BULLETIN BOARD FROM OMNET

Bulletin Board contains:

| Delivered | From | Subject | | | |
|--------------|---------------|-----------------------|--------------|--|--|
| | | | | | |
| Feb 16 14:53 | J.LYNCH.JOHN | Automatic Observatori | ies for Anta | | |
| Feb 19 21:43 | AUSTMET.RANDS | AUST MET MAG V36(2) - | - CONTENTS | | |
| Feb 20 14:47 | | New Mail Box - Univer | rsity of Geo | | |
| Feb 21 13:13 | M.RAWSON | CHANGE OF T.MAIL ADDI | RESS | | |



MSRG Somalings

State University of New York Stony Brook NY 11794





Vol IV, Issue 7

March 6, 1989

CALENDAR OF EVENTS March 6 - March 12

- Mon 1000 Welcome Reception for Distinguished Visiting Scholar Kenneth Denman, Institute of Ocean Sciences, Sidney, British Columbia
 - 1100 Distinguished Visiting Scholar Seminar, Challenger 165
 "Introductory Talk: IOS and a Review of Recent
 Continental Shelf Work"
 - 1730 MSRC Executive Staff Meeting, Endeavour 139
- Tue 1130 Ken Denman Seminar, Challenger 165 "The Ocean's Role in Climate Change: JGOFS and WOCE"
- Wed 1200 MSRC Weekly Seminar, Challenger 165 "Oceanic Turbulence: Importance to the Planktonic Ecosystem" by Ken Denman, MSRC Distinguished Visiting Scholar
 - 1500 Brookhaven National Lab, Oceanographic Sciences
 Division Seminar Series, Building 318 Conference Room "Scavenging of Reactive Radionuclides in the Nansen
 Basin, Arctic Ocean" by Kirk Cochran, MSRC
 - 2000 AWIS (American Women in Science), Room S-240, Math Tower - "Geology Down Under: An Ancient Great Barrier Reef and Examples of Earth's Oldest Life Forms Alive and Well in Western Australia" by Vicki Pedone (ESS)
- Thu 0830 Faculty Meeting, Challenger 165
 - 1200 Seminar, Challenger 165 "Patchiness from Space: 2D Spectrum Analysis of Satellite Images" by DVS Ken Denman
 - 1530 Faculty Coffee Dana Conference Room
- Fri 1600 Friday Discussion Group, Challenger 163 Lecture by Den Denman, MSRC Distinguished Visiting Scholar. Title to be announced

MSRC STUDENT PROFILE Yingi Zhang

Till tomorrow, I will have been in the U.S.A. for six months. Before I came here, except one year in Shanghai, I spent the rest 24 years in Peking, the capital of P. R. China, where I was born.

I feel my life history is really simple, just from school to school. By taking the unified exam of Peking City, I attended the high school attached to Peking University. That is my turning point. Thanks to the good teachers and good classmates, I got the favorable circumstance for study. That's very helpful for me to have easily passed the college enrollment exam and enter the Peking University, which is a privileged University in China.

I studied in the Department of Geophysics, majoring atmospheric physics, for four years and got a B.S. there. Then I spent another three years in the Environmental Sciences Research Center of the same university and got a M.S. degree last July. I came to MSRC a month later.

Marine Sciences are new for me. But from a point of view, both atmosphere and oceans are fluid. What is important is that I like it.

My life is simple but colorful. In my spare time, I like listening to the music, watching movies, playing ping-pong, going to dance parties, talking with friends, even just sitting there thinking and dreaming.

But now I spend more time reading, for everything is in English. That makes me busy. When I have time, I like to watch TV at home. That's the window to know American society and the way to learn English. I like it here and really appreciate the opportunity to study at MSRC.



MSRC STUDENT PROFILE RYAN BOUCHARD

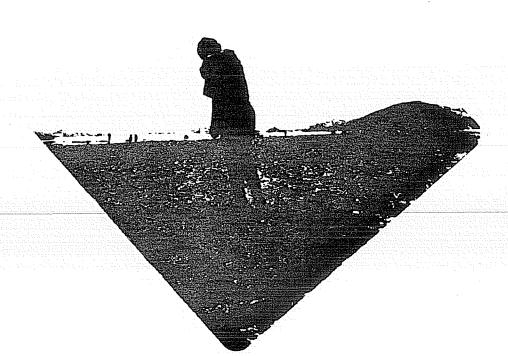
As many of you already know I am originally from northern California (about as different from Long Island as you can get). My youth was spent on a small farm in the Central Valley (I lived several miles from the Sutter Buttes... billed as the "Smallest mountain range in the world") where I learned that there must be more to life than driving a tractor?! Vacations were spent traveling the west where I visited just about every U.S. and Canadian National and State Park west of the Rockies. Repeated exposures to such geologically exciting places as Yellowstone, the Grand Tetons, Brice Canyon, the Athabasca Glacier, the Grand Canyon, and of course Yosemite had a predictable effect. It also helped that my parents were rock hounds and amateur geologists.

My love of the oceans also began at an early age. Family tradition dictated that we spend every Thanksgiving vacation along the Mendocino coastline. This spectacular meeting place of rocky coast and North Pacific storm waves can only be described as awe inspiring.

Thus, when it became time to avoid life and attend college, I was drawn to the ocean. I spent some very enjoyable years at Humboldt State University majoring in both Geology and Oceanography (as well as spending as much time as possible on the beaches or tubing down the Kalamath River in the summers). Contrary to popular belief it doesn't rain that much at Humboldt, and when it does it is usually at night (Just ask Chuck!).

A taste of undergraduate research wetted my appetite and thus I journeyed cross-country this past summer to work with Chuck, Jim, and Mead on the AmasSeds project. Now part of the "R" (Radioactive) Team, I can't wait to dig into some Amazon mud this summer!

The final chapter in this travelogue was written just after Christmas when I was married to Beckie (heaven knows how she puts up with me... maybe the fact that she is still in California might have something to do with it?!). And where did we spend our honeymoon? Where else than Montery and the Big Sur coast!



FAX MACHINE IS HERE At long last the FAX machine is ready for use. Our FAX number is (516) 632-8820. To send a FAX, you must complete a transmittal form (available in the main office) and leave it with Christine Murillo in the mornings or with Theresa Mackin in the afternoons.

Charges for a FAX transmission will be:

- * \$2 hookup charge for every FAX,
- * \$.50 for 2 pages sent within New York State,
- * \$1 for 2 pages sent outside New York State, but within the U.S.A,
- * Hookup charge + the charge for the international call for anything sent outside the U.S.A.

Those faculty who will be heavy users of the FAX may apply to Jeri for an account code so that you may send your FAX transmissions without going through the main office. We only have the capability to set up 30 codes, so not everyone can have their own. Those faculty who will need access to the FAX evenings and weekends will be issued keys to the room.

* Allegheny College in Meadville PA is seeking applications for a one-year sabbatic replacement position beginning September 1989. Ph.D or A.B.D. and teaching experience preferred.

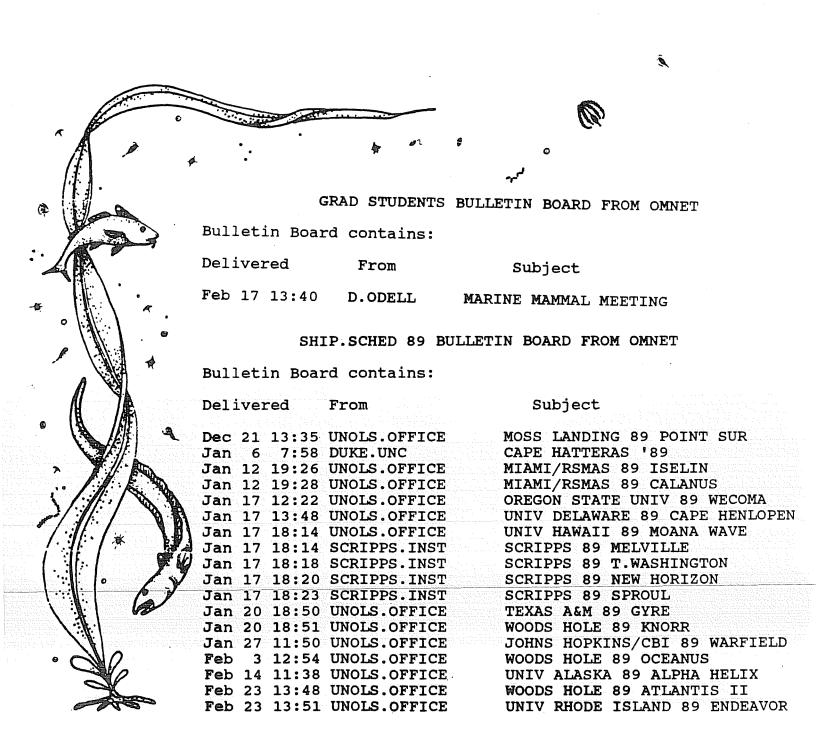
Field Research Assistant wanted for the study of fish behavior in the Caribbean. Bio major or grad student, with diving certification required, for 12 weeks (June-August). Call (516) 781-1556 9-11:30 pm.

- * The Port Authority of NY/NJ is seeking a summer intern for the position of Assistant Permit Administrator. Applicant must have MS/BS in environmental science; superior verbal and writing ability; able to meet deadlines; ability to coordinate and integrate various information. Salary \$450/week. For further info: Bernice Malione (212) 466-7416.
- * The Department of Geology at Western Michigan University, Kalamazoo, MI has openings for graduate research assistants in structural geology and hydrogeology. The department offers a Master's of Science Degree in sedimentary geology and a 20 hour second Master's Degree in hydrogeology.
- * Cornell Cooperative Extension has diverse job openings from entry level through those requiring various levels of experience. These jobs are also available throughout New York State.

The Government Prime Contracts Monthly is available in the reference room.

*NASA is soliciting proposals for basic research in the Development and Operation of Discipline Nodes on the Planetary Data System for the period ending July 14.

RESEARCH VESSEL OPENINGS . . . Sea Education Association, Inc (SEA) has some openings available in their Sea Semester class beginning in April. They also have openings in their new program, Maritime Semester. There are also berths available for faculty who want to find out more about SEA or who have research interests in their areas of operation.



SCIENCE BULLETIN BOARD FROM OMNET

Bulletin Board contains:

| Delivered From | Subject |
|----------------|---------|
|----------------|---------|

Feb 23 14:41 J.URAVITCH Draft Environmental Impact State

Feb 23 14:58 L.MCNUTT New Bulletin Board-LIMEX

OCEAN BULLETIN BOARD FROM OMNET

Bulletin Board contains:

| Delive | red | From | Subject |
|--|--|--|---|
| Feb 24 Feb 26 Feb 27 Feb 28 Feb 28 | 14:40 14:58 17:16 7:42 10:52 10:31 14:29 8:24 9:20 9:31 | BDA.BIOSTATION J.MARRA K.SCHAUDT.MARATHON T.SPENCE | EGG vs Klein Side Sn Draft Environmental Impact State New Bulletin Board-LIMEX Marine Studies Position SATELLITE TELEMETRY NOVA Program on the Gulf Stream Summer courses at the Bermuda Bi GOFS Cruise: extra berths Loss of Tony and Barbara Fallon WOCE Program Announcement WOCE PROGRAM ANNOUNCEMENT Trimble GPS |
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JOBS BULLETIN BOARD FROM OMNET

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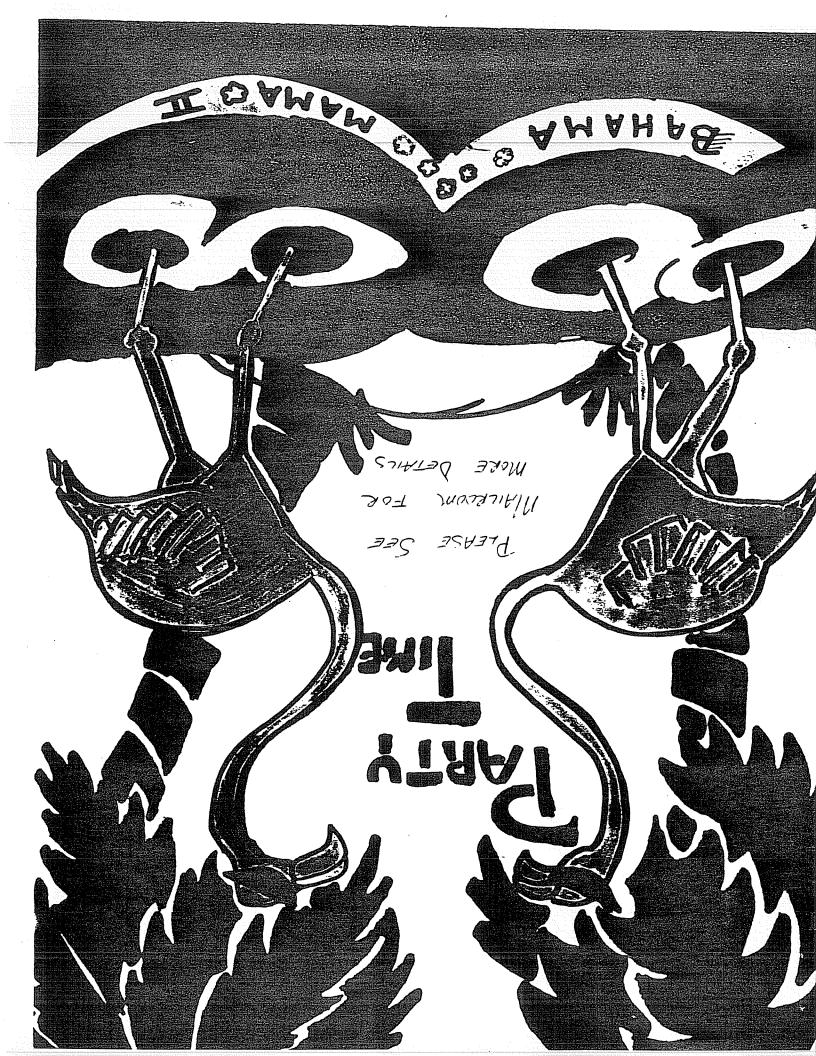
| Delivered | From | Subject |
|---|--|--|
| Feb 23 17:17 Feb 23 21:29 Feb 27 9:47 Feb 28 14:13 Feb 28 14:20 | W.WOOSTER J.DAVIDSON OMNET.SERVICE A.DEEPAK A.DEEPAK | Marine Studies Position UH Fish Ecologist/Physiologist MLML, Marine Mammal/Bird Fac. Po SCIENTIST/PROGRAMMER IMMEDIATE O SCIENTIST/PROGRAMMER POSITION |
| Feb 28 15:33 | J.PRISCU | ASC: MICROBIAL ECOLOGIST POST DO |

FISH BULLETIN BOARD FROM OMNET

Bulletin Board contains:

Delivered From Subject

Feb 23 21:29 J.DAVIDSON UH Fish Ecologist/Physiologist



STONY BROOK STUDENT UNION ART GALLERY

ON THE SECOND FLOOR OF THE STUDENT UNION



MONDAY MARCH 13 TO FRIDAY MARCH 17 1989

PRESENTS SARAH JACKSON

INTERNATIONALLY KNOWN COPY ARTIST

SCHEDULE OF SPECIAL EVENTS:

MON., MARCH 13- "TOPIC IN ART" LECTURE
12 NOON FINE ARTS GALLERY

WED., MARCH 15- "COPIER FESTIVAL"

10 AM TO 4 PM UNION FIRESIDE LOUNGE CREATE YOUR OWN ART !!! BRING PHOTOS, OBJECTS, IDEAS, ETC.

THU., MARCH 16- RECEPTION FOR THE ARTIST
12 NOON UNION ART GALLERY

MONDAY THROUGH FRIDAY- GALLERY EXHIBITION
DEMONSTRATION
PARTICIPATION

SPONSORED BY THE DEPARTMENT OF STUDENT UNION AND ACTIVITIES AND THE FINE ARTS CENTER. SUPPORTED BY CANON U.S.A., FACULTY STUDENT ASSOCIATION, AND THE UNION ADVISORY BOARD

WORKING IN ANTARCTICA

Dr. Jeannette Yen, new faculty in zooplankton ecology, is looking for 1 or 2 students interested in zooplankton ecology who would like to spend 2 months this summer (June 10-August 10) doing research in Antarctica.

There will be two one-week cruises to collect zooplankton samples for analyses of vertical migratory patterns and temporal/spatial feeding patterns of copepods. We also will examine copepod physiology and biochemistry with shipboard experiments. The rest of the time will be spent at the U.S. station on the Antarctic peninsula, Palmer Station, to continue physiology and feeding experiments along with zooplankton sample analyses.

We leave from Punta Arenas, at the southern tip of Chile, and take the research vessel, Polar Duke, through the Beagle Channel and across the Drake Passage (1-1/2 d) to the Antarctic peninsula. An open plane ticket to and from Punta Arenas plus living accommodations at Palmer Station are provided. Interested students should contact Dr. Yen in Discovery 159 (2-6913).

A symposium on Polar Marine Ecology (PROMARE) will be held in Trondheim Norway, May 12-16, 1990. Contributions addressing the pelagic ecology and oceanography of marine polar regions, particularly dealing with the marginal ice zone and icefilled waters, are invited. To receive more information and circulars, fill out the form available in the main office. Deadline: September 1, 1989.



CALENDAR OF EVENTS March 13 - March 19

Mon 1200 Dissertation Defense: Jeng Chang, "Estimating Species-Specific Phytoplankton Growth Rates by Cell Cycle Analysis", Challenger 165

Tue

- Wed 1200 MSRC Weekly Seminar, Challenger 165 "Methane Oxidation in Deep-Sea Hydrothermal Vent Environments: Vent Fields and Plumes" by Marie de Angelis, Department of Oceanography, University of Washington, Seattle
 - 1600 Benthic Ecology Meeting Practice Talks Dana Conference Room
- Thu 1530 Faculty Coffee Dana Conference Room
 - 1600 Benthic Meeting Practice Talks Dana Conference Room
- Fri 1600 Friday Discussion Group, Challenger 163 "Work and Play in Australia; Effects of a Cotton Insecticide on Water Birds" by Charlie Wurster, MSRC

I was born and spent my Wonder years in Flushing, New York, of the future world champion New York Mets. Flushing, beautiful coastal community on an island, gave me a deep love for the sea at an early age. It was because of this love that my family moved to New Jersey when I was fifteen. There, increased my knowledge of the marine environment by working in butcher, shop and a florist through high school. After one year in a pre-med program at Rutgers University, I once again heard the call of the sea, and moved back to Queens. There, I received a B.S. in geology from Queens College. In 1983, I entered the graduate program at Stony Brook, where I was able to fulfill my love for the sea by doing my Masters thesis on iron and titanium ores from Wyoming. This naturally led me to the Marine Sciences Research Center, where I am finally able to satisfy my longing for the sound of the ocean by studying groundwater on Long Island for my Ph.D.

My greatest accomplishment, besides studying fresh water the Marine Sciences Research center, and staying happily married through grad school, was when I rode my bicycle from New Jersey to California solo when I was twenty one (eight! years ago). include driving from and to Queens every day, hobbies bicycle weight lifting and seeing my chiropractor, playing riding, practical jokes on my officemate, collecting rocks to show that I am still a geologist, and following the soon to be World Champion New York Mets.



"Califörnia, here I come

Nathan Epier in 1900 County passed through David County earlier this week to feete to Pater company in the Nathan Epler of New York City California. Epier camped in the Enounfield City Park Mosday might with the permission of local law enforcement authorities. Byler said he received the 'best reception to far" of his trip during

his short stay is Bloomfie said he will not be passing th Bloomfield on his return however. Epler plans to fly ! "One way is long enough." said be is making the cross blike ride to "get in skape, s

* There is a position available for a research assistant to work on a study of the concentration and carbon

the concentration and carbon isotopic composition of dissolved organic carbon in the pore water of deep-sea sediments. This position is at Woods Hole.

* Project Oceanology, a marine environmental education program operated by a non-profit association of public schools and colleges, has two fulltime positions available. Salary and benefits are comparable to that of a public school teacher.

EMPLOYMENT SOUGHT John Suriano, a USB graduate, is highly qualified for work on research. He plans to pursue graduate work in marine sciences. His vitae is on file.

GRADUATE STUDENT SCIENTIFIC TRAVEL GRANTS FOR 1989

* These travel grants are cosponsored by the SB Chapter of Sigma Xi and the Office of Research and Graduate Studies. Graduate students must be presenting a paper at a national or regional meeting of a scientific society to be eligible. Application deadline is April 1.

CARPET CLEANING POOL

I'm interested in giving the carpet in my office a cleaning with one of the "steam machines" rentable at the local I've used these supermarket. before and they do a pretty good I'd like to share the \$15-20 rental cost with some other people who want to clean their office carpet too. If you too are interested in giving the "deep six" to that dive locker odor lurking behind your office every morning, give me a call or stop by my office.

> -Tom Wilson Discovery 107a 2-8706

<u>UNDERGRADUATE</u> <u>FELLOWSHIPS</u> <u>IN</u> <u>ESTUARINE</u> <u>SCIENCE</u>

* The Maryland Sea Grant College will offer 10 undergrad students the opportunity to work with university scientists on major marine research programs that focus on the Chesapeake Bay. The 12-week program is from June 1-August 31. Deadline for receipt of applications is April 1.

LANDSAT PROBLEMS

The following TeleMail letter to the oceanographic community is from Jim Yoder, Skidaway Institute of Oceanography, Savannah GA.

March 5, 1989

Dear Colleague,

Last week, Landsat data users received the following message from C.P. Williams, President, EOSAT Company,

"We need your help. Landsats 4 and 5 continue to provide valuable resource information throughout the world. However, due to lack of sufficient funding, EOSAT has been instructed to shut-down the satellites beginning March 1, 1989.

Please write to your congressional representative and senator. They need to be informed as to the importance of these satellite data. In addition, the following policy makers are critical to the future of this program. Due to the urgency of this issue, mailgram, telephone and facsimile messages are encouraged."

Honorable Robert Mosbacher Secretary of Commerce Herbert C. Hoover Bldg Wash. D.C. 20230 (202) 377-2112 FAX: (202) 377-2741

Honorable Ernest Hollings U.S. Senate Wash. D.C. 20510-4002 (202) 224-6121 (FAX): (202) 224-3573

Honorable Albert Gore, Jr. U.S. Senate Washington, DC 20510-4202 (202) 224-4944 No FAX

Honorable Neal Smith U.S. House of Representatives Washington D.C. 20515-1504

Honorable Robert A. Roe U.S. House of Representatives Washington, DC 20515-3008 (202) 225-5751 FAX: 225-5751

According to the Washington Post (March 3), the shut-down has begun. Congress will hold hearings this week (week of consider March 6) to supplemental funding to start operations. While there appears to be no direct connection between funding of Landsat 4 and 5 and completion of Landsat 6 (which will fly SeaWiFS, the new ocean color scanner), my personal view is EOSAT viability that critical, if Landsat 6 is stay on schedule for a 1991 launch.

As scientists, we should let our federal officials know that the Landsat program is an important source of scientific data and the program should be continued in the future. This simple message only takes a few minutes to transmit to your congressional Representative and Senators or to the officials listed above. Please take the time to do so ASAP!

Thanks, Jim Yoder

enter tainment. We know who exists my "1 2401,450d of 1,015 pmo it still challenge the boargn facciti. mou 15 120m rd 2trantoioggo 20tho Mo So Mak you calendar and more! countries represented have. the outhent took of the 21 exotic and of the bids. come and task (and children who eat like adults) the door and will be \$3 th adults attend. Admission will be collected as we hope that you will be able to Annual Foreign Student Dinners on the exeming of march 31st Have you marked your calendar yet

SCIENCE BULLETIN BOARD FROM OMNET

Bulletin Board contains:

Delivered From

Subject

Mar 5 22:34 J.YODER

Landsat problems

JOBS BULLETIN BOARD FROM OMNET

Bulletin Board contains:

Delivered From

Subject

Mar 7 10:02 G.EVANS

Mar 7 15:09 ADMIN

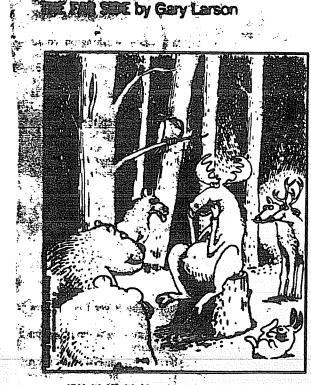
"Transitioning"

WHOI - Bio. Res. Tech.

THE FAR SIDE by Gary Larson *** 2



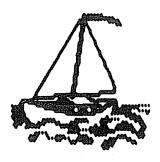
"Hey, buddy! Nobody tells me to go

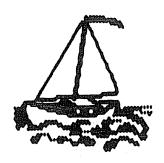


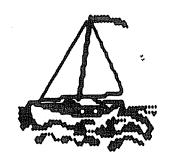
"Walti Walti Here's another one ... the screams of a man lost in the woods."

MSRC Soundings

State University of New York Stony Brook NY 11794







Vol IV, Issue 9

March 20, 1989

CALENDAR OF EVENTS March 20 - March 26

Mon

1416

Med 1200 No MSRC Weekly Seminar - Spring Break

Thu 1530 Faculty Coffee - Dana Conference Room

Fri 1600 No Friday Discussion Group - Spring Break

MSRC STAFF PROFILE

James Christie

My life started in Brooklyn. When I was six my father decided that Brooklyn was not the place to raise a family. It was at this time that we moved out of the city and into the relative country of southern Staten Island where my family still lives. As a child I probably went to the beach just as many times as any other child in my neighborhood. It was during high school that my interest in the marine environment began to grow. I bought a small outboard boat during my freshman year. It was this boat that allowed me to start exploring Raritan Bay and New York Harbor. During my senior year I began my formal marine education with a course in marine biology, and another in oceanography.

After high school, I spent one year at the College of Staten Island, C.U.N.Y., trying to decide if I could make a living in the marine biology field. When I decided that it was possible, I transferred to Southampton College, L.I.U. It was there that I completed my B.S. in marine biology. Approximately one month after graduation I started my job here with Monica Bricelj. For the past year I have been growing Red Tide Dinoflagellates out at the Flax Pond Lab.

In my spare time I enjoy listening to music. My music collection contains everything from old hard rock to new age, and even some jazz and blues. I also enjoy cycling, rowing, and sailing, when I get the opportunity.



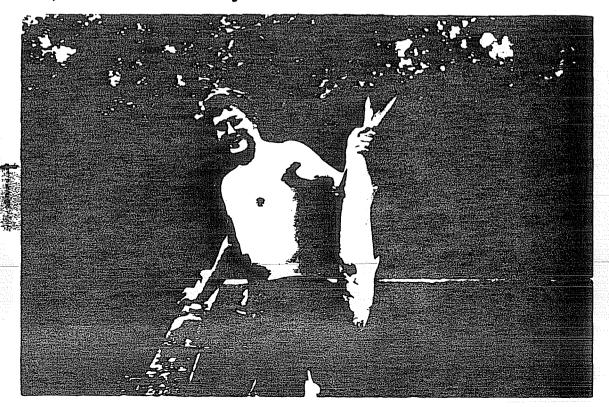
MSRC STUDENT PROFILE JONATHAN HARE

In Edinburgh Scotland in the mid 1700's, two young entrepreneurs named Burke and Hare went into business together. They stole bodies from local graveyards for sale to the University of Edinburgh Medical School. To some their graverobbing was a necessary service, but to most it was a despicable crime. Guards were posted at the graveyards, and the source of the two men's business was cut off. They of course, did what any good entrepreneurs would do: they operate index in the lower class district of the city and established a new business. Unfortunately for their guests, this new business consisted of the suffocation of sleeping patrons to fill the demand for bodies. This did not continue for to long, and the pair was arrested and put in jail. The smarter of the two turned state witness against his not so long ago partner, and after the hanging he moved to Canada in search his fortune.

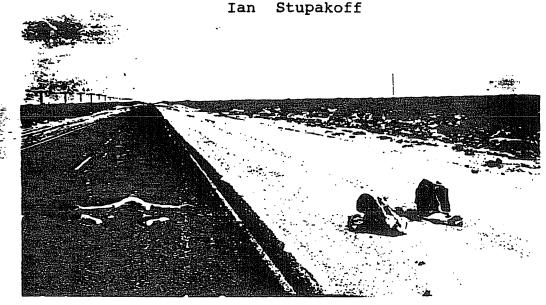
My grandparents moved from Canada to Caledonia, NY which is South of Rochester. I grew up.not far from there, in Penfield, a quiet suburb of Rochester. My childhood was stable, and my adolescence was typical of most in the suburbs. A slight deviation in my typical childhood came about when I started playing the bagpipes. The neighbors eventually learned to live with the sound, as you will all have the chance to do when it warms up a bit. I spent my summers on Martha's Vineyard, and it was there that I decided to spend my life with the oceans.

I attended college in CT at Wesleyan University. I majored in rugby and minored in biology. After two good rugby years, but not so interesting years studying cellular and molecular biology, I spent a semester at the University of Rochester and took a course in ecology. I returned to Wesleyan with new direction and spent that summer at Shoals Marine Lab in the Gulf of Maine. I applied to Naval Officer Candidate School for after college, but those plans fell through when I broke my leg playing rugby. That wouldn't have been so bad if I hadn't broken again 6 months later. Anyway, I crutched through graduation and went to the Vineyard to recuperate.

After convalescing for a couple of months (it took a lot of sun and fishing to make my leg fell better), I started work at Woods Hole Oceanographic Institution. At first I studied ecology and systematics of radiolarians, which was interesting, but the conditions were less than ideal. Next, I worked on the metamorphic inducer in sea slugs. The conditions were ideal, but the work didn't catch my fancy. I decided I wanted to do my own research on things other than rads and shelless snails, so I am here at MSRC working on bluefish with Bob Cowen.



MSRC STUDENT PROFILE



Patagonian Desert, Argentina. 1978

This is probably one of my favorite pictures of myself. I think it portrays well my feeling for life, always curious to find new places and meet new people.

My name is Ian Stupakoff (pronounced Yan). I was born in Sao Paulo, a big industrial and business oriented city in the southeast of Brazil. Although I spent most of my youth saturating my lungs with soot, I had many opportunities to spend endless vacations (when you're kid time has a different meaning) on the coast and at my grandfather's farm in the countryside. Rio de Janeiro was where I finished high school and entered the Santa Ursula University to study biology. Despite the fact that we had the jungle right in our backyard, the mangroves about half an hour from the campus and the sea just a few steps down the road, I felt that my education wasn't progressing as I wished. Since my father was living in New York at the time, I decided to change scenary and move to the Big Apple where I got my B.S. in biology at City College, CUNY. For two years after that I was involved with the fast pace, highly dynamic and extremely ephemeral world of fashion fotography. It was a little different than taking pictures of small invertebrates crawling on the sand. Nevertheless, I thought that the little creatures had more to say and I decided to continue on with my education which led me to the MSRC for a Masters degree. My interests roam around benthic ecology and travelling. I have been very fortunate to get to work with Josie Aller and participate in the studies of the interactions of benthic organisms with the sediments of Long Island Sound and the estuarine region of the Amazon River (an oceanographic cruise coming up in August). This .summer I hope to be learning some new immunological techniques which will help better understand the sediment-organisms interactions.

* Elizabeth McCance, a senior at Yale, is looking for employment in the area of biological research. She spent her senior year doing independent study on long-term sensitization in Aplysia, and wishes to pursue ecological and environmental questions rather than neurological ones.

* Sara Haines is looking for work over the summer, from the end of June to the end of September. She is studying marine biology at the University of Newcastle-upon-Tyne.

<u>CAPTAIN</u> <u>JAMES</u> <u>COOK</u> <u>RESEARCH</u> <u>FELLOWSHIP</u>

* To commemorate the 1969 bicentenary of Captain Cook's first landing in New Zealand in 1769, the New Zealand Government established an international research fellowship to perpetuate Cook's spirit of scientific enquiry and exploration in New Zealand and the Pacific southwest. The fellowship is awarded to one person of senior status for two years to carry out research within New Zealand or the south-west Pacific region in the fields of biology, geology, oceanography, geophysics, etc. Application deadline: June 30.

WORKSHOP ON MOLECULAR EVOLUTION

* The Marine Biological Lab in Woods Hole is offering a two week course (August 20 - September 1) to explore multiple approaches to molecular evolution.

Application deadline: June 1.

HARBOR STUDIES PROGRAM . . . The Massachusetts Water Resources Authority (MWRA) is seeking applications from educational and nonprofit research institutions for cooperative studies associated with the mission of the Harbor Studies Department to determine the environmental effects of MWRA activities. Two general areas of concern to the MWRA are contaminated sediment in Boston Harbor, and the effects of the discharge of nutrientrich municipal wastewater into Massachusetts Bay. Application deadline: April 19.

TO ALL FACULTY, STAFF, STUDENTS We need volunteers to help out with the MSRC booth at the SUSB Open House on 06 May. You can man an information booth, appear ridiculous in a shark suit, or tell stories about your exciting research - Interested? Contact Jeri Schoof or Bill Wise.

We thought it would be useful to identify what our graphics unit is and is not responsible for.

WHAT GRAPHICS DOES

- * Inked charts, graphs and illustrations for reports, theses and journals
- * Black and white slides from line high contrast originals
- * Glossy prints from line high contrast originals
- * Will shoot color slides and send to HSC for processing

WHAT GRAPHICS DOES NOT DO

- * Color film processing this is sent to HSC Photography.
 You can drop it off yourself, or we can drop it off for you for a \$5 pick-up and \$5 drop-off fee (\$10 per job), slides only
- * Color prints from negative or slides you can go to any camera store. Locally, QSS on Main Street in Port Jefferson is recommended. We will no longer drop-off and pick-up this work.
- * Color film processing (prints) We recommend QSS in Port Jefferson. We will no longer drop-off and pick-up this work.

JOBS BULLETIN BOARD FROM OMNET

Bulletin Board contains:

| | Delivered | | From | Subject | |
|----|-----------|-------|-----------------|---|--|
| | Mar 9 | 14:29 | R.MCDUFF | Post-doc/Hydrothermal Plumes/UW | |
| | Mar 10 | 9:16 | B.RALEIGH | PostDoctoral Research Scientist | |
| | Mar 10 | 13:00 | WEST.INDIES.LAB | grad student research support | |
| | Mar 13 | 8:45 | NODC.WDCA | NODC SUPERVISORY OCEANOGRAPHER | |
| | Mar 13 | 19:41 | CSIRO.DAR.AM | Research Fellowship in Geophysic | |
| | | | W.REEBURGH | Paleoceanographer Position at U. | |
| | Mar 14 | 15:26 | STATE.DEPT | Antarctica: Data Manager | |
| -3 | | | | 이 하는 하는 사회에, 하다 하고 하면 되었다. 하는 작은 하는 의원 등은 하는 사람들은 사람들은 사람들이 없는 것이 없다. | |

SCIENCE BULLETIN BOARD FROM OMNET

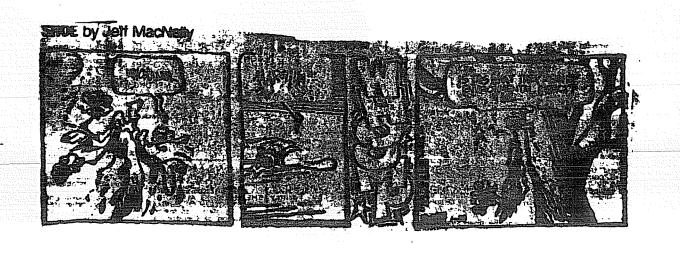
Bulletin Board contains:

| neri | .vej | . ea | rrom | Subject |
|------|------|-------|---------------|----------------------------------|
| | | | J.URAVITCH | Flower Garden Banks Public Heari |
| Mar | 13 | 17:35 | OMNET.SERVICE | Are you current? |
| Mar | 14 | 12:55 | W.REEBURGH | Notice of Paleoceanographer Posi |
| | | | | |

OCEAN BULLETIN BOARD FROM CAMET

Bulletin Board contains:

| Delivered | | | From | Subject |
|------------|-----------|----------|---|--|
| Mar | r 1 11:54 | | T.WILSON | Belated review of NOVA Gulf Stre |
| Mar | 1 | 14:28 | | SOFAR BUOYS |
| Mar | 2 | 4:07 | NERC.RVS | Lithium Battery Packs |
| Mar | 2 | 8:18 | NERC.RVS | Lithium Battery Packs Trimble GPS MTS D.C. Section Meeting Mar 16 |
| Mar | 2 | 12:41 | STATE.DEPT | MTS D.C. Section Meeting Mar 16 |
| Mar | 2 | 12:58 | A.JOHNSON.JR | MAILBOX ADDRESS CHANGE |
| Mar | 2 | 13:29 | J.WITTE NERC.RVS | NOVA: GULF STREAM |
| Mar | 3 | 6:06 | NERC.RVS | Lithium Batteries |
| Mar | 3 | 9:19 | M.DAGG | SEEKING HELP ON C/T SENSORS |
| Mar | 3 | 10:48 | NODC.WDCA | GLOBAL DB FOR PIGMENTS&PRIMARY P |
| Mar | 3 | 12:01 | R.SPINRAD, | SEEKING HELP ON C/T SENSORS GLOBAL DB FOR PIGMENTS&PRIMARY P Optical Meeting Pic-Optics Course |
| Mal | 3 | T4:22 | M. FERRI | Pro-obcies contra |
| | | | NMC.CAC | CAC Tropical Pacific Indices |
| Mar | 5 | 10:44 | OCEANOGRAPHY.SOCIETY | SOCIETY MEMBERSHIP |
| Mar | 6 | 10:17 | J.GOLDMAN NMC.CAC NOAA.GEOSAT P.TAYLOR M.BROWN.MMS C.SANCETTA A.MICHAELS P.WELLED | ASC: Elemental CHN Facility at W |
| Mar | 6 | 13:14 | NMC.CAC | CAC CDB draft text |
| Mar | 6 | 22:32 | NOAA.GEOSAT | GEOSAT JGR UPDATE |
| Mar | 8 | 8:51 | P.TAYLOR | Fellowships - Marine Biotech & O |
| Mar | 8 | 16:08 | M.BROWN.MMS | Important MMS Reports |
| Mar | 9 | 8:47 | C.SANCETTA | Ocean sessions: Spring AGU |
| Mar | 9 | 9:53 | A.MICHAELS | New Telemail Address |
| HULL | | TO . O / | T/ o AATITITIT/ | COUCTOI ACTOME EXPETIMENCE |
| Mar | 9 | 12:56 | E. CARPENTER | trichodesmium blooms |
| Mar | 9 | 17:18 | T.HOLLIBAUGH | TOC, TDN analysis |
| Mar | 10 | 14:55 | J.URAVITCH | Flower Garden Banks Public Heari |
| Mar | 10 | 15:31 | V.ALEXANDER | Polynya Research Planning |
| | | | NODC.WDCA | NODC OCEANOGRAPHER ANNOUNCEMENT |
| Mar | 13 | 17:10 | MLML.SHIPS | 1990 R/V POIINT SUR SCHEDULE |
| Mar | 13 | 19:37 | CSIRO.DAR.AM | Research Fellowship in Geophysic |
| Mar | 13 | 19:44 | CSIRO.DAR.AM | Res. Fellowship in Geophysical F |
| | | | T.STANTON | Tim Stanton of the WEST changing |
| Mar | 14 | 5:25 | IOS.WORMLEY | Autonomous Profilers |
| Mar | 14 | 10:30 | N.MARCUS | Info on 02 sensors, etc |
| Mar | 14 | 15:28 | STATE. DEPT | Antartica: Data Manager |





State University of New York Stony Brook NY 11794



Vol IV, Issue 10



March 27, 1989

CALENDAR OF EVENTS March 27 - April 2

Mon 1100 Challenger 165 - Federal Demonstration Project meeting with Marie Murphy of ORS

Tue

Wed 1200 MSRC Weekly Seminar, Challenger 165 - "The Nonlinear Dynamics of Lens Models" by Professor A. D. Kirwan, Department of Oceanography, Old Dominion University

1500 Brookhaven National Lab, Oceanographic Sciences
Division Seminar Series, Building 318 Conference Room "Problems of 'swimmers' and poisons in sediment traps"
by Cindy Lee, MSRC

Thu 1430 MSRC Reference Room Committee, Endeavour 139

1530 Faculty Coffee - Dana Conference Room

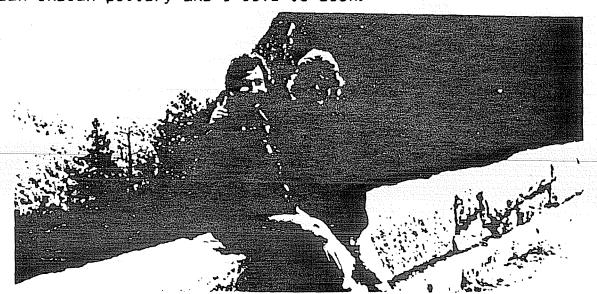
Fri 1600 Friday Discussion Group, Challenger 163 - "Sponges: Sinks or Links in Reef Systems?" by Joe Schubauer, MSRC I'm probably setting myself up for a few choice comments by admitting this, but I was born in Philadelphia and think it's a great city. I lived there until I was seven when my family moved to the house that my parents had been building on weekends in what was then rural Bucks County near New Hope, Pennsylvania. In order for my brother to begin high school in our new area at the beginning of the school year, we moved before the house was completed. We had limited electricity, only fireplaces for heat, and cold running water that was available only sporadically (though round-the-clock at the outdoor pump). To my brother, three sisters, and me, this lifestyle was a great adventure and undoubtedly was in part responsible for our lifelong love of camping and the outdoors. My parents, however, had a vastly different perspective — to this day, my mother would rather not talk about it. The twentieth century finally did arrive at our house in a few months, and the rest of my childhood was fairly typical and extremely happy.

I never seriously entertained a career in science until I took some very stimulating evolution and ecology courses as an undergraduate at Smith College, and had the opportunity to do some research (fish community ecology in the West Indies, plant community ecology on the Outer Banks). For a variety of reasons, academic and otherwise (i.e. I'd never been west of the Rockies), I opted for graduate studies at Scripps Institution of Oceanography where I did my thesis research in the area of fish ecology and life history evolution under Dick Rosenblatt.

Early in my graduate career, I married Bill Present who helped me keep a healthy perspective on the trials and triumphs of graduate school and who, when time allowed or sanity dictated, would get me out of the lab to explore Baja, the Sierras, his native Arizona, and, after finishing my dissertation, Asia.

We moved to Long Island two years ago because Bill was offered a challenging position as a director at a newly formed medical diagnostic company. At the time, I was a lecturer at San Diego State teaching primarily undergraduates in very large classes (200+ students) and getting very anxious about not having more time for research. The gods must have been smiling on me, because shortly after moving here I was fortunate to meet Dave Conover and begin post-doc work in his lab studying latitudinal variation in growth rate in Menidia.

Bill and I now live in Northport. As time permits, we enjoy hiking, tennis, gardening, all water sports, and exploring NYC. We collect American Indian pottery and I love to cook.



PROFILE

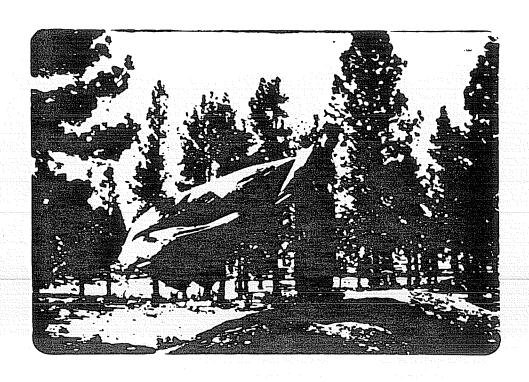
(Eugenio Gomez-Reyes; MADE IN MEXICO)

Hi! My name is Eugenio. It means well born, and you may pronounce it as you may wish --for a correct pronunciation consult any Spanish speaking person.

My interest in oceanography dates back to high school, when I knew about the interdisciplinary science courses in the oceanographic program. My only serious concern to decide to study oceanography in college, at that time, was the mandatory scuba diving course ...since I did not know how to swim (it made me feel like some kind of plankton). Hence to avoid dealing with swimming and diving, I thought "I rather be a physical oceanographer". So that now I deal with mathematics.

Later (once I finally learned how to swim and dive), I decided to pursue the graduate program at MSRC. Of course, it was a shame to know that the graduate program did not include a scuba diving course. It includes, however, a good education on coastal processes.

My research interest is now focused on the understanding of physical processes by which we may relate the eulerian and lagrangian currents. My hobbies are yet to be defined. I enjoy almost every sport (Let's go Mets) and most cultural activities.



Zaul Garcia-Ezquivel

About a year after I was borne (in Zacatecas, Mexico) my family moved to Tijuana, were I grew up and studied elementary and high school. In 1980 I started studying Oceanography at the Marine Sciences School, Autonomous University of Baja California (UABC) in Ensenada, Mexico, earning a B.S. degree in 1985. The following two years I worked as a seaweed culture technician at the Institute for Oceanographic Research (IIO) in the same university and place, and as an oyster culture technician in San Quintin (about 3 hours south of Ensenada). I arrived at MSRC in September, 1987.

How did I decide to go into Oceanography? It was not the default choice in my mind, but since I always enjoyed to go to the beach (In Tijuana) and since many things were completely different from what I used to see around me (for example the water was always salty and the fishes never use to come out to respire air) I thought that oceanography would be the obvious option for studying this part of Nature. On the other hand, I was not convinced at all of being a tailor for the rest of my life (I worked in a tailor shop while in H.S. and learned to make pants and alterations). So I got enrolled in the program in Ensenada. As soon as I entered I had the opportunity of interacting with people working with seaweeds (mostly taxonomy) and mollusks (my own brother, with aquaculture). This first taste helped me to decide for a biology major after the fifth semester, and to continue enjoying seaweeds (My B.S. thesis was done on spore release in a red algae species) and summer working hours with mollusk culture (abalone and oyster).

Among the reasons of why I am here:

1) I like the program and the friendly environment of the MSRC people.

2) I have received a strong support and encouragement from Jose Zertuche (a former MSRC and Dr. Brinkhuis student) and Bud Brinkhuis, to whom I met in Ensenada while working in his project.

I'm presently working (Master thesis) in experiments dealing with the inheritance of some morphological characters in Laminaria, under the advise of Bud, and I certainly hope I can finish those experiments by this summer.

Hobbies: Playing (preferably soccer, volley-ball, base- or soft-ball), listening to music (any kind), singing, reading, and (more recently) eating pop-corn.



ALUMNI CONFERENCE . .

Upon receiving their degrees, MSRC students have historically found employment in relatively equal numbers in academic positions, government, private firms. The MSRC Alumni Association would like to cosponsor with the Center a session this spring at which Center alumni share with current MSRC students their experiences and reactions about requirements, realities, and rewards of professional careers in these various employment fields. We need feedback from current students as to whether this type of program would be useful and how to make it maximally so. Please see Bill Wise with your thoughts. Thanks.

EMPLOYMENT SOUGHT . . .

Jeffrey Jennings of Stony Brook, a junior at the University of Pennsylvania majoring in biology and ecology, is looking for summer work at MSRC. See Malcolm Bowman (who gives Mr. Jennings an excellent rating, for more details).

* Marina Saluto, a recent graduate of Regis College with a degree in biology, is looking to pursue a career in marine science. She is looking for an introductory position to be trained in research or curatorial lab work. CV on file in the main office.

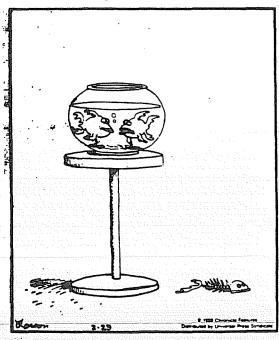
NOMINATIONS ACCEPTED The FSA 1988-89 Elsa Jona Quality of Campus Life Award is given annually to both a graduate and undergraduate student who has initiated a project that enriches the qualify of campus life. Deadline for nominations: March 31.

THE FAR SIDE by Gary Larson



"An excellent specimen ... symbol of beauty, innocence and fragile life. ... Hand me the jar of ether."

THE FAR SIDE by Gary Larson



"I guess he made it. ... It's been more than a week since he went over the

"Windrose: A Program for IBM-Compatible Personal Computers"

"Fall Migration of Ross' Gull (Rhodostethia rosea) in Alaskan Chukchi and Beaufort Seas"

"Population Model for Alaska Peninsula Sea Otters"

These reports can be requested by calling (907) 261-4435.

* The 30th Summer Institute of Glaciological and Arctic Sciences will be held from July 1-August 24 at the Juneau Icefield, Alaska, and the Atlin Lake Region, B.C.-Yukon. It includes expeditionary field training, semester credits in arctic and mountain sciences, and research participation. Early application is encouraged.

* Manhattan College is sponsoring a symposium June 5-9 on Mathematical Modeling of Water Quality: Dissolved Oxygen Eutrophication, and Secondary, Advanced and Hazardous Wastewater Treatment. For more info, see Sharyn.

* Information and applications for the above mentioned grants are available in the main office. Deadline for receipt of all applications at the ORS is Monday, April 10.

EMPLOYMENT OPPORTUNITIES . . .

- * The Town of Islip Department of Environmental Control is seeking part-time environmental monitoring assistant to help full-time personnel with monitoring activities at the yard waste composting facility. Pay is \$8 per hr, maximum 17.5 hours per week.
- * Lee County, FL, a rapidly developing coastal community in the southwest part of the State, is seeking to fill the position of Aquatic Biologist. Salary range: \$21,779-30,773.
- * Lawler, Matusky & Skelly, an environmental science and engineering consulting firm, is seeking an Environmental Scientist/Engineer, with the knowledge of preparation of environmental impact statements, permit applications, spread sheets, and wetlands evaluations.
- * The US EPA is seeking applicants for the Director of the Office of Modeling, Monitoring Systems, and Quality Assurance in Washington DC. Salary range: \$68,700-\$76,400. Closing date for applications is March 31, 1989.
- * The Student Conservation Association is still seeking students, who may be interested in receiving excellent field experience, to work this summer in our National forests and parks.
- * = Additional info available in the main office



Vol IV, Issue 11

April 3, 1989

CALENDAR OF EVENTS April 3 - April 9

Mon

Tue

Wed 1200 MSRC Weekly Seminar, Challenger 165 - "Environmental Information Management for Decision and Design" by Dr. Jack Ditmar. Dr. Ditmar was originally scheduled as a Distinguished Visiting Scholar, but a conflict in his schedule made it necessary to cancel as the DVS.

Thu 0830 Faculty Forum, Challenger 165

1530 Faculty Coffee - Dana Conference Room

Fri 1600 Friday Discussion Group, Challenger 163 - "Where Are We Going in Coastal Oceanography?" by Ken Brink, WHOI * Cornell Cooperative Extension has various job opportunities available. They go from entry level positions to those requiring different levels of experience. Salary also varies.

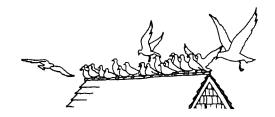
* Postdoc position in aquatic ecology is available in the Department of Biology, Montana State University in Bozeman. Applicant will be chosen by May 30, 1989.

REMINDER OF PROPOSAL PROCEDURES
When a proposal is left for the Director's signature, two file copies of the proposal and one copy of the four-page form must be provided to the main office at that time, or the proposal will be returned unsigned.

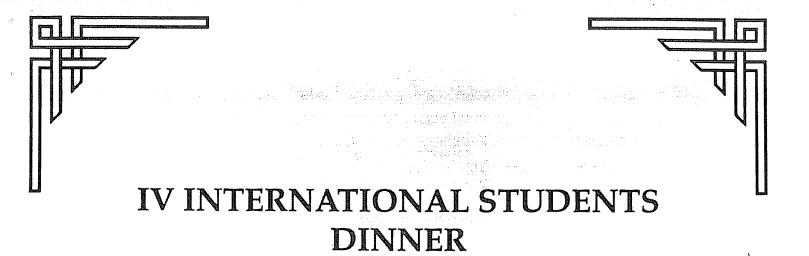
GRADUATE STUDY IN GEOLOGY . . . * The Geology Department at McMaster University in Ontario, Canada, offers opportunities for research in earth science leading to Masters and Doctorate degrees in geology and geochemistry.

GEOLOGICAL SOCIETY OF AMERICA .

* GSA is holding their 1989 annual meeting in St. Louis, MO November 6-9. Abstracts due by July 19, program, housing, and registration information August 1, and pre-registration due by October 6.



- * The National Science Foundation's Division of Instrumentation and Resources is soliciting proposals in Ethics and Values, Studies in Science, Technology and Society. Closing dates for preliminary proposals: November 1 and May 1; for formal proposals: February 1 and August 1.
- * NASA is soliciting basic research proposals to conduct scientific investigations as Solar Maximum Mission Guest Investigators. Proposals may be submitted at any time during the period ending June 15.

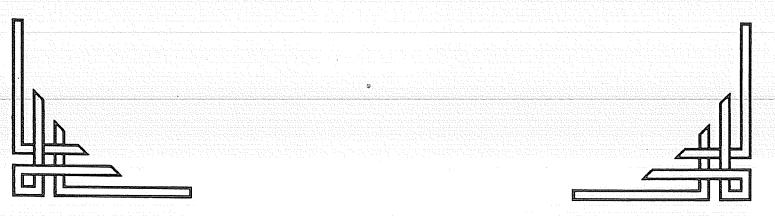


Friday, March 31, 1989

Challenger 165

6:00 P.M.

Cooperation: \$3.00









CARFIELD by Jim Davis





FLAX TO VAX RACE AND PICNIC (FIRST ANNUAL)

SATURDAY, 15 APRIL, 1989

COME CELEBRATE THE VICTORS AND CONSOLE THE LOSERS

BUT MOST OF ALL, COME AND ENJOY A NICE SPRING DAY WITH A PICNIC, VOLLEYBALL AND SOCIALIZING AT MSRC

THE PICNIC IS FOR ALL MSRC STUDENTS/STAFF/FACULTY AND FRIENDS AND FAMILIES THEREOF

PICNIC STARTS AT 1:00 pm
(BE THERE ON TIME IF YOU WANT TO CHEER ON THE RUNNERS)

RUNNERS MEET AT MSRC BY 12:15 pm FOR THE SHUTTLE TO THE FLAX POND STARTING GATE STARTING GUN <u>EXACTLY</u> AT 1:00 pm

VOLUNTEERS ARE NEEDED TO HELP MANAGE THE RACE, MAN THE BAR-B-QUE, TAP THE KEG(S), ETC. PLEASE STEP FORWARD NOW AND TALK TO LISA CLOUGH, CHUCK NITTROUER OR BOB COWEN.

SCIENCE BULLETIN BOARD FROM OMNET

Bulletin Board contains:

| Delivered | From | Subject |
|--------------|----------------|----------------------------------|
| Mar 23 14:50 | OMNET.SERVICE | Newly released online manual |
| Mar 23 16:18 | C.THOROUGHGOOD | MICROFLUID DYNAMICS FACULTY POSI |
| Mar 24 15:56 | R.WATTS.URI | job in physical oceanography |
| Mar 24 18:06 | S.KUBANY | COMPOSE MANUAL "bug" |

OCEAN BULLETIN BOARD FROM OMNET

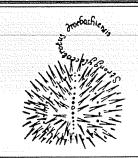
Bulletin Board contains:

| Delivered | From | Subject |
|---|-------------|--|
| Mar 24 9:22 Mar 24 15:56 Mar 28 22:50 | R.WATTS.URI | GULF/MEX SHIP OF OPP DATA job in physical oceanography Tutorials at OCEANS '89 |
| Mar 29 9:04 | | Northern Surface Moorings |

JOBS BULLETIN BOARD FROM OMNET

Bulletin Board contains:

| Delivered | | red | From | Subject | |
|-----------|-----|-----|-------|----------------|----------------------------------|
| | Mar | 14 | 12:56 | W.REEBURGH | Paleoceanographer Position at U. |
| | Mar | 14 | 15:26 | STATE.DEPT | Antarctica: Data Manager |
| | Mar | 15 | 11:40 | B.RALEIGH | Postdoctoral Research Scientist |
| | Mar | 16 | 10:06 | BDA.BIOSTATION | BBSR ORGANIC CHEM RESEARCH ASSIS |
| | Mar | 19 | 13:43 | J.PRISCU | ASC: POSTDOC AQUATIC ECOLOGY |
| | Mar | 20 | 11:18 | S.RAWLINS | Positions in Nigeria |
| | Mar | 21 | 11:49 | W.FOX | Postdoc Positions at CIMAS |
| | Mar | 22 | 10:22 | U.DELAWARE | Micro Fluid Dynamics |
| | Mar | 22 | 14:00 | A.WILLIAMS | POSITION ANNOUNCEMENT |
| | Mar | 22 | 15:51 | S.RAWLINS | Soil Microbiologist Post Doc |
| | Mar | 23 | 8:46 | W.FOX | CIMAS Postdoc PosRev. |
| | Mar | 24 | 9:17 | ADMIN | U DE- Microfluid Dynamics Facult |
| | Mar | 24 | 14:04 | H.FREY.NOS | PHYSICAL OCEANOGRAPHER POSITIONS |
| | Mar | 24 | 15:56 | R.WATTS.URI | job in physical oceanography |
| | Mar | 24 | 18:04 | J.PRISCU | ASC: MICROBIAL ECOLOGIST |
| | Mar | 27 | 14:10 | U.DELAWARE | Faculty Position Marine Remote S |
| | Mar | 27 | 17:59 | A.JOHNSON.JR | GS-9/11 OCEAN MODELER POSITION |
| | Mar | 29 | 15:22 | H.FREY.NOS | PHYSICAL SCIENCE TECNICIANS |
| | | | | | |









Vol IV, Issue 12

April 10, 1989

CALENDAR OF EVENTS April 10 - April 16

Mon

Tue

Wed 1200 MSRC Weekly Seminar, Challenger 165 - Dr. Clifford Katz, University of Rhode Island. Title to be announced. Fred Dobbs is Dr. Katz' host.

Thu 1530 Faculty Coffee - Dana Conference Room

Fri 1600 Friday Discussion Group, Challenger 163 - Special 7th Anniversary Party! "Zooplankton Feeding Appendages: When Does Morphology Matter?" by M.A.R. (Mimi) Koehl, University of California at Berkeley

On Thursday, April 27, you will have the opportunity to save seven lives. It will only take 90 minutes of your time. You will be given jelly beans and Oreo cookies (or Lorna Doones if you prefer). You will be pampered and coddled. You will even be provided with door to door transportation (from MSRC to the gym). All you have to do is sign up to be a blood donor. The date is Thursday, April 27; the times are 8:30-1:45. Please let Sharyn know if you can be counted on.

- * For those faculty who were not able to attend Marie Murphy's discussion of the new Federal Demonstration Project (FDP) on Grants Management policies and procedures, a tape of Marie's presentation is available. See Bill Wise. Limited copies of the following handouts are available in the Main Office:
 - * FDP General Announcement from Office of Research Services,
 - * FDP General Terms and Conditions,
 - * NSF and ONR agency-specific requirements,
 - * Draft pre-award costs approval form

Marsh Biologist Position Suffolk County Vector Control is
recruiting a marsh biologist to
work on innovative mosquito
control programs, including Open
Marsh Water Management (OPWM).
Starting salary is around 28k.
For further information see Bill
Wise, or contact Dominick
Ninivaggi (a MSRC alumnus) at
NYS DEC, 751-7900.

Northeast Fisheries Center, Gloucester, MA, is seeking a student with a background in biology and/or chemistry and who has an interest in fishery research, for a position as a biological aid (\$6.74/hr). For further info, call Dr. Chris Martin at 508 281-9297.

*The University of Mississippi has announced the availability of several graduate level fellowships that are available for students pursuing marine or marine engineering related studies at the University of MS. Application deadline: April 21.

The Minerals Management Service recently released an Outer Continental Shelf Study Report "Arctic Information Transfer Meeting: Conference Proceedings" which is available by calling 907 261-4435, or writing to MMS, 949 E. 36 Avenue, Room 110, Anchorage, AK 99508-4302.

BULLETINS AVAILABLE The European Science Notes Information Bulletin, Report on Current European/Middle Eastern Science, is available in the Reference Room.

The National Science Foundation's MOSAIC is also available in the Reference Room.

JOBS BULLETIN BOARD FROM OMNET

| Mar | 29 | 15:22 | H.FREY.NOS | PHYSICAL SCIENCE TECNICIANS |
|-----|----|-------|-----------------|----------------------------------|
| Mar | 29 | 17:41 | A.JOHNSON.JR | GS-12/13 OCEAN MODELER POSITIONS |
| Mar | 31 | 11:13 | RUTGERS.BIVALVE | Staff position |
| Mar | 31 | 14:10 | R.SPINRAD | PROGRAM MGR AT ONR |
| Apr | 3 | 14:17 | M.CANE | POSITIONS IN PHYSICAL OCEANOGRAP |
| Apr | 3 | 16:36 | M.REEVE | Biological Oceanography |
| Apr | 5 | 8:51 | W.FOX | Postdoc in Pop.Dyn.Modelling |

SCIENCE BULLETIN BOARD FROM OMNET

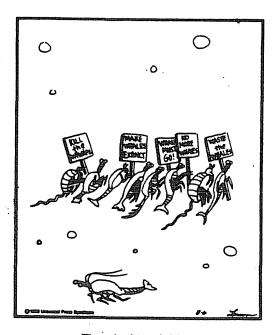
| Mar | 31 | 14:08 | R.SPINRAD | JOB AT ONR |
|-----|----|-------|-----------|---------------------------|
| Apr | 3 | 16:28 | M.CANE | CLIMATE RELATED POSITIONS |

OCEAN BULLETIN BOARD FROM OMNET

| Mar | 30 | 3:10 | NERC.RVS | Lithium Batteries |
|-----|----|-------|-----------------|----------------------------------|
| Mar | 30 | 7:52 | COSPAR.PARIS | PROGRAMME |
| Mar | 30 | 8:58 | COASTAL.CLIMATE | CALL A WEATHERPAK |
| Mar | 31 | 13:47 | R.TIPPER | TOS INAUGURAL MTG, NEW INFO. |
| Mar | 31 | 14:08 | R.SPINRAD | JOB AT ONR |
| Apr | 3 | 13:58 | NMC.CAC | CAC Tropical Indices for March |
| Apr | 3 | 16:27 | M.REEVE | NSF Biological Oceanography Prog |
| Apr | 3 | 16:28 | M. CANE | CLIMATE RELATED POSITIONS |
| Apr | 4 | 11:01 | NMC.CAC | CORRECTION TO CAC INDICES |
| Apr | 4 | 11:16 | NMC.CAC | ERRORS IN CAC INDICES-MORE |
| Apr | 4 | 13:06 | NODC.WDCA | NODC DATA RCPTS FEB 10-23 '89 |
| Apr | 5 | 5:48 | NERC.RVS | Sam Mayl |
| Apr | 5 | 10:30 | SACLANT.CENTER | PLEASE REPLY TO ANN ATTN. H. PER |
| Apr | 5 | 12:30 | T.ROYER | EXXON SPILL |
| Apr | 5 | 14:34 | D.HANES | Geophysical Grain Flow Meeting 1 |

This was my last continuous week at MSRC, and it was not easy to leave. I've made good friends, both among faculty, staff and students, and I've met many people I'd like to have gotten to know better. During my sabbatical I've developed respect both for the University and the Center. The MSRC pursues its research, whether in coastal marine science or research in service to the community, at a frontier level of professionalism. The students have a great spirit - something that could be emulated at some other institutions. I'm proud to be associated with the Center as an adjunct professor, and hope I have helped break the stereotype of the invisible adjunct. In fact, to make sure people didn't think this was an aberration I'm going to be returning for brief intervals over the next six months. Finally, for students of OPS (MAR 547) we haven't forgotten the Blue Revolution compendium. It's late but it's being worked on!

THE FAR SIDE by Gary Lar on



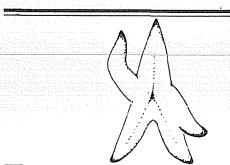
The plankton lobby

FACULTY MEETING AGENDA The next faculty meeting will be on Thursday, April 20, at 8:30. Please give Sharyn any items you want added to the agenda by Monday, April 17, at 12 noon.

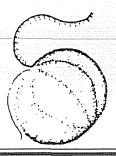
PARKING PERMITS FOR MAIN CAMPUS
The Main Office now has two
SPECIAL PARKING PERMITS to be
used for short-term (20 minute)
parking on main campus. These
permits must be signed out and
must returned within one hour.
If they are not returned within
one hour (or, if borrowed at
4pm, are not returned by 8:30 am
the following workday), the
borrower will not be permitted
to use them again.

There are two areas on main campus identified for special service parking - the east side of the Fine Arts Building off Center Drive, and between the Administration Garage and the Social Science Building. These permits should alleviate the problem of dropping things off on main campus.

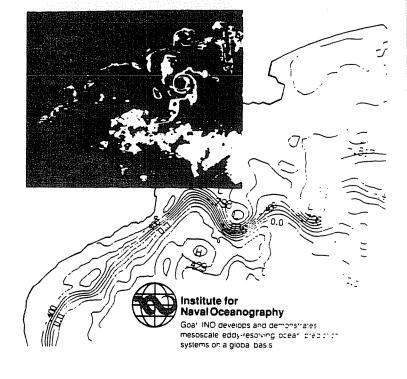
<u>ALUMNI</u> <u>ASSOCIATION</u> <u>SPRING</u> <u>PICNIC</u> The Annual MSRC Alumni Association Spring Picnic is scheduled for June 3, 1989 from 12 noon to 8 pm, rain or shine, at the Center. All students, staff, and faculty are welcome and encouraged to come. Admittance for non-MSRC Alumni Association members is \$5 for adults; children are free. Hotdogs, burgers, salads, soft drinks, and beer are provided. Almost world-class volleyball dominates the planned activities, but there will be others. This is always a good time; we hope to see you there!











Pioneering Ocean Prediction

... for the 1990s

Vol IV, Issue 13

April 17, 1989

CALENDAR OF EVENTS April 17 - April 23

Mon 1000 Welcome reception for Christopher N.K. Mooers, Institute of Naval Oceanography, Endeavour Lounge

1200 Seminar, Challenger 165 - "Mesoscale eddies, meandering jets and fronts off northern California", by Chris Mooers, Institute of Naval Oceanography

1200 Deadline for agenda items for faculty meeting

Tue 1200 Seminar, Endeavour 168 - "North Atlantic Ocean Prediction Systems" (sponsored by the Physical Oceanography Journal Club, All Welcome!) by Chris Mooers

Wed 1030 MSRC Executive Committee, Endeavour 113

1200 No MSRC Weekly Seminar

Thu 0830 Faculty Meeting, Challenger 165

1030 Tenured faculty meeting, Challenger 165 (immediately following faculty meeting)

1530 Faculty Coffee - Dana Conference Room

Fri 1600 No Friday Discussion Group

Profile - Dr. Christopher Mooers

A graduate in physical oceanography of Oregon State University (Ph.D 1969), Dr. Mooers has held positions at the Universities of Miami and Delaware, the Naval Postgraduate School in Monterey, CA, and most recently at the Institute of Naval Oceanography at the Stennis Space Center, Bay St. Louis, MS.

"The role of INO is to transfer fundamental knowledge from the university community relevant to ocean modeling and prediction into the Navy. INO scientists combine large volumes of data with advanced numerical ocean models. The Institute is a unique interface linking the Navy, universities, and government agencies, enabling them to share their combined expertise to create a new capability for operational oceanography" [taken from INO brochure].

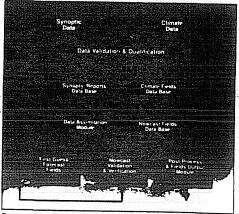
Recent successes include weekly Gulf Stream trajectory and current predictions using a combination of models, satellite imagery and in situ (CTD and XBT data). Ocean predication is still in an early stage of development, and Mooer's team is at the leading edge of this research. Dr. Mooers' two seminars should be of wide interest. If you can attend only one lecture, try to attend the Monday presentation.

Dr. Mooers will be located in the Visiting Scientist Office in Challenger Building (Room 159) and can be reached at 2-7020. He will be available to confer with faculty and graduate students during Monday and Tuesday. Please see Malcolm Bowman for an appointment.



INO's numerical model output showing meandering Gulf.
Stream growing instabilities and eddy shedding. Cover.
Day 40 above 1 my 60.





Experimental ocean nowcest/forecast system

PERSONAL PROFILE

JENG CHANG

I was born in Taipei, a large city in the island of Taiwan. As a resident of an island surrounded by sea water, it seems natural for one to develop affinity to the ocean and marine sciences. Well, at least that is not true for me. I do not swim very well and I hate to go to beaches. In my opinion, a swimming pool is a much better alternative since you don't get sticky skin with sand all over.

I started to get interested in microscopic algae when I was in my college years. I think that they are fascinating organisms because of the variety in their shape, color, and size. However, when I got to know more about phytoplankton, I realized that most fresh water species do not fit into the above description. As a result, go to a marine science institute seems to be the only way to fulfill my curiosity about those exotic species of phytoplankton. Fortunately, phytoplankton ecologists do not have to scuba dive to collect their samples.

It was hard to get detailed information about any institute in US to carry out my graduate study from a place 12,000 miles away. However, it was quite easy for me to decide to come to Stony Brook after I had received all the replies: this is the only University which provided both I and my wife admission as well as some financial support. One thing that I couldn't imagine at that time was that I would spend my next 10 years here on Long Island.

Long Island provided a totally different environment for a person who comes for a subtropical region. The first snow after my arrival was so beautiful and peaceful, although the good feeling didn't last to the time that I had to walk and drive on roads covered with the mixture of snow, mud, sand, and salt. In the spring, all flowers blooming together is another exciting experience for me. The bad thing about spring, however, is that I developed hay fever starting from my fifth year here. Oh well, I guess you just can not have it all.

I'm really glad that I finished my degree recently. My study here was really wonderful since everybody here is so friendly and helpful. Due to the availability of the funding in our lab, I am going to stay here for two more years as a post-doc. If you've never heard of me and want to know more, stop by my office any

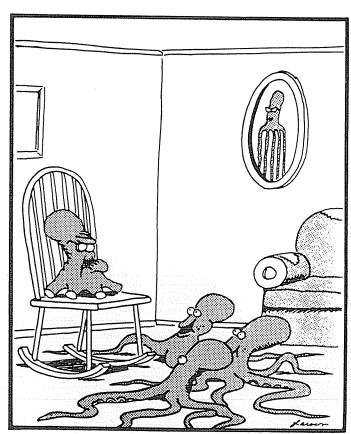
time.

As most of you know, Theresa Mackin has been promoted to a Senior Stenographer position in the University's Alumni Office. At her request, we did not have farewell party for her. However, I (Jeri) don't want her to leave without receiving a token of our appreciation for all she's done for all of us. There are not many people at the Center whose lives have not been touched by Theresa. If you would like to contribute towards a gift, please see Jeri or Sharyn by April 24.

* Frank Roethel has an opening for a Research Support Specialist whose duties will include participation in the design and execution of research projects to determine the environmental acceptability of stabilized incineration residues and degradable plastics in the sea. Salary range \$18,000-23,000.

* Cornell Cooperative Extension has job openings all over the State, from entry level to those requiring experience.

* Richard V. Lynch, who is currently working as a research chemist with the Pall Corporation, is looking for a position in the environmental field in a capacity which will utilize and build upon his versatile background of technical and educational skills.



"Tell it again, Gramps! The one about being caught in the shark frenzy off the Great Barrier Reef!"





ASIC

SUNY at Stony Brook New York 11794



Vol IV, Issue 16

May 15, 1989

CALENDAR OF EVENTS May 15 - May 21

Mon

Tue

Wed No MSRC Weekly Seminar - will resume next semester

Thu 1530 Faculty Coffee - Dana Conference Room

Fri Friday Discussion Group on vacation

Sat

Sun 1100 Commencement - Main Campus

Governor Vetoes Deal on Tuition Increases for N.Y. Universities

By HARY CRIVETAL CASES
With a stroke of a pen, New York's flow.
Mario M. Cuomo duched hopes that the
state's two manmoth public-enversity
systems could even severe budget cash by

increasing tuition, and he further executed his already rocky relationship with the

State University of New York.
Legislators and system adv thought they had streets a deal less mostly that would have allowed Governor Co-omo, a Democrat, to assistable his as-toition-mercase stance while giving the Boards of Trestons of the surey and Chy University of New York systems the sethority to raise teities by Sales per (The

thority to raise inition by \$100 a year (Her Chronicle, May 3).

But has week kinethy at the elements have the Coverner valued the two years that week have thought to two systems to generate a total of \$100 miles through twince increasing and have likely bedgets for sensy year at suggist the desired as those of the committee to the level as the level as those of the committee to the level as the level as

West-Log States Bernard State

The Great state for the po tests of thousands of course discusses trans-staged word-larg discussionalisms in which they eccupied educationasius buildings at 14 course companies. Etc. Comma implant N.Y. Governor Vetoes Deal on Tuition Increases

Continued from Proceeding Page that he had not botto surelyed by the protests, and lashed out in his veto measure at the management of both iversity systems. "I will got allow a testion increase

the correct without the clearest showing of absolute secondary and the exhaustion of all other possibilities. That has not occurred here, and it should,"

tion of all other possibilities. I has no-net occurred here, and it should," the Governor said.

Although students applicated the cuto, college adversational gri-vate politicisms said. the veto was a perficular afficient to survy Chancellor D. Bruce John-stance, who in his first year in office repeatedly said a teltion incre sended. He evidently thought he had estimated the Governor on the issue ating a pencel to study his by appoi

nymem's management practice.

Mr. Johnstone unid the Governor's extino "presents to with a serious and immediate critics. The conse-quences to current and fature stu-dents, and to all state courts that are met by suwr, are grave."

acellan Ad for Bavlows

Officially, midder system (See containing the extent of possible personnel reductions because of the last revenue. But faculty-union representatives and the vets equil result in the laying off of 159 faculty end staff exembers at CUMY and 760

faculty and staff members is 2004.

Both Mr. Johnstone and curry's chancellor, Joseph S. Marphy, have asked their campus presidents to cannot be compared providents to start reviewing their budgets in prep-aration for possible cuts and the pub-lic discussion of their fanancial speak that Governor Cassas said sand excur before he emproves editional

Mr. Johnstone directed his presi-



نظ بسطا في صف احد كه 1 حدد 1 و داستا Siles because to coose best the closest closeles

directs to go one step further and pro-port lasts of costs and mixing that would reduce the convent system budget by \$35-million.

in the under of the Governor's cuto, college and political efficient distinct distinct from partween improprienting over the custod the probability over the custod the probability and managements to protect their

Organization of the Control of the C

"The Governor has positioned himself very well on this," left, Reilly continued. "He said there should be bearings to determine whether there



s b etwet ed And or part of the control and the control and

brain H. Printent, president of the Professional Staff Compant, which represents 14,600 faculty mention of Curry, and there was no regards represented to the boothy mentions at CUNY, and there was an entitle for faither formation become there had pleasify been enforced madyon of the universities made.

300 - 20-

Legislating develop two field days

Legislating to the bigher effections

bentum. And college legislating have
been working the halls in Albumy for the last first parette on the same

the mot four motions on the instant.

According to Governor Cosmo, through, that was not unflicited:

"There has not been an open, condit, analysical public discussions and debute," Governor Coome said. "If saything. It appears come would pre-

for to see tellion increased with an distinction as possible." Although faculty assesses appear camp tellion to belonge the length. life. Pulishook unid that the Germor's position is that the enversely break absent big cats. That, his Po-linesk mid, is wiscompanied to facul-

manufacture.

It there's interpreted the Governing to recomment differently. The state manufacture the manufacture of the manuf Con that he finds the con

per cal to be callete." Description to resident funds to higher collect, Not Publisheek said his so-By the figure back to the leadership is to Smitter and Assembly to seek ad-Should Sussechil relief.

"If there is any logislative response
I higher education's cry for kelp, it
is not course quickly. Many logislaans agree with the Covernor that tution absented be love, or even ann-enimated of the Covernor that tution absented by the covernor that tual, as it exce was on the cush

A spoke and for the Am Aur. a Democrat, said the lowe

iquation, a Democrat, and the lower come unside unit and see when the lowerman's agent manes would be. Sunsist President Pao Tens Raigh J. defina, a Rapublican, agreed with the Geograph's Mance, mying: "We-gou, gut in find out if they need all gut they are pointing the." "Int., plain too while, agent the Laginin-ph this way what in guesded, then de-licent even be stated when the delicent one to stated

glican can be disch about whether the state of the state of the state of the belget cate, the general feed, or to-

Many beginsters said some telling terreses might be possible in the end. Beine mentioner 193-84, New York mentionia have paid \$1,350 a year to disend surry from year communes and \$1,259 for curry mentionions. Strong Peelings by St

As more than a week of compass disruptions and building takeovers proved, many students at Now York's colleges and survenition eign of testrayes.

Feelings on the jesse expected to he strongest on the CUNY companies. Where students said that the builton lic stro facreases could force assay associty. first spectration college; stations, cost of school. But surey stations college, stations could see well, and a building was also excepted of that system's excepts of figuration.

"State that Covernor's vesto, pro-

repair test (coverage is vent), pro-tests continued on eight of the CONY componer, where shedents were de-menting number for their actions and pledges that programs would not cut. New York City's Mayor Ed-ed I. Koch offered to send in pothe, if pacessary, so that cleases small research, coursy efficiely said. Januard, Character Murphy decided to allow the largely pescellal desires

strations to continue.
"Last fast work, curry officials said starkents had agreed to end their éaus-contrations as sours for an assess-

blany students seid, though, that they ever bitter despite their testion victory. Ricky Namez, a shaior at curry's Bretts Namez, a shaior at curry's Bretts Namez, a shaior at curry brett Namez, a shaior at curry brett Namez, a shaior at curry was a time when education was free. It's not fair that they keep raising our testion." Said Mr. Numez of state officials:

"They have the money. Now that mi-markies wast to ant at the mble, they may they don't have the miomsy. I don't want it to be a racist issue, but that's the reality of it."

- * The Gulf of Mexico OCS Region of the Minerals Management Service has announced a workshop "Sea Turtles and Marine Mammals in the Gulf of Mexico" to be held in New Orleans, LA, August 1-3. Additional information available.
- * The Geophysical Fluid Dynamics and Physical Oceanography Symposium, honoring George Veronis on the occasion of his receipt of the Cody Medal, will be held Saturday, June 3, at the Kline Geology Laboratory, Room 123. Deadline to RSVP is May 19.
- * The Sixth Symposium on Coastal and Ocean Management will be held in Charleston, SC, July 11-14. Preregistration deadline is June 16.

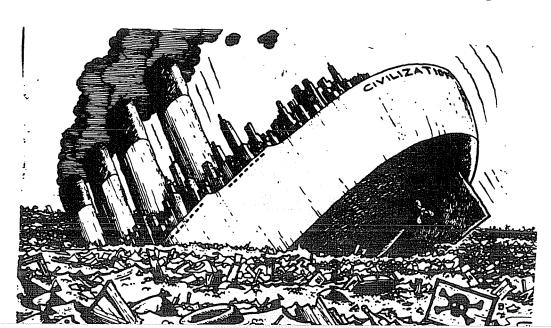
- * The Chesapeake Biological Lab is seeking an individual to compliment their systems ecology group with interests in the analysis of coastal and estuarine ecosystems. The position is tenure-track at the Assistant Professor level.
- * Okeanos is looking for an assistant research biologist. Undergrad or grad internship acceptable. Biologist needed to assist with radio tracking of Kemp Ridley sea turtles in LI waters. Period of employment is July 1 October 31. Salary is \$4,000. If interested, call Stephen Morreale at 728-4522.
- * The US EPA located in Narragansett, RI has three positions available with starting salaries of \$48,592:

Supervisory Aquatic Biologist, Branch Chief, Ecosystems Branch,

Supervisory Aquatic Biologist, Branch Chief, Effects Branch,

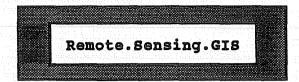
Supervisory Environmental Scientist or Supervisory Aquatic Biologist, Branch Chief, Exposure Branch

* Cornell Cooperative Extension has various job openings, from entry level to those requiring different levels of experience. Stop by to see the descriptions.





ANNOUNCING



BULLETIN BOARD

on

OMNET

for the exchange of news and views on remote sensing and geographic information systems, satellites, ground stations, data distribution and networks, data, new products, research opportunities, etc., etc.

Sponsored by

Marine Sciences Research Center, State University of New York

and

NEARSS Association

To read or post messages, just access the OMNET/SCIENCE Network using your terminal ID and password, then check Remote.Sensing.GIS

For additional information please contact:

Malcolm Bowman Marine Sciences Research Center State University of New York Stony Brook, NY 11794

Telephone: (516) 632-8669

Helen Mustafa Executive Secretary, NEARSS Northeast Fisheries Center Woods Hole, MA 02543

Telephone: (508) 548-5123

PERSONALS
Apple IIe computer with printer, super serial card, numerical keypad, joystick, lots of software. \$500. See Cindy Lee, 2-8741.

Bud Brinkhuis is selling his green 1981 Honda Accord. The car is in excellent condition and runs like new. He is asking \$1,750. Students can get 0% financing. The car will be available 15 May 1989.

Ironstone mugs, white w/blue logo - \$6.00,
Painter's caps (assorted colors) - \$2.00,
Pencils (white w/blue and green logo - \$1.00/3

We also received a new shipment of T-shirts in peach, tan, silver and sea mist. The price on the T-shirts remains \$7.50.

* Maine Maritime Academy has announced that its research vessel, ARGO MAINE, is available for chartering by educational and scientific organizations. The charter rate is \$2,200 per day, all fees included.

* The NYC Parks and Recreation Department's Research Institute is accepting applications for long- and short-term research to be conducted in the City's parks. Ecosystems as diverse as oak woods, freshwater marshes, tidal wetlands, and serpentine outcrops comprise some 7,000 acres of NYC parkland. Additional information available.

*The US Information Agency and the Institute of International Education announce the official opening on May 1 of the competition for Fulbright Grants and other grants for graduate study abroad in academic fields and for professional training in the creative and performing arts. Local campus deadline for applications is September 11.

* NSF has issued a joint call for proposals from the Directorates for Geosciences and Engineering. Proposals having to do with:

Ocean Engineering Initiative;
Ocean Drilling Program;
Oceanographic Technology
Program;
Division of Polar Programs;
Small Business Innovation
Research

are welcomed. Additional information is on file in the main office.

MERG Soundings

State University of New York
Stony Brook NY 11794



Vol. IV, Issue 17

September 4, 1989

CALENDAR OF EVENTS September 4 - 10, 1989

Mon

Holiday, Offices Closed

Tue 0900 Executive Committee Meeting, Endeavour 113

Wed 1145 MSRC Weekly Seminar, Challenger 165 - "Effects of Vinter Weather and the Gulf Stream on the Spawning and Early Life History of the Atlantic Menhaden" by Dr. David Checkley, NCU

Thu 1530 Faculty Coffee, Dana Conference Room

Fri 1500 Welcoming Picnic for New Students, All Invited, Volleyball Court behind Discovery Hall.

MSRC FACULTY PROFILE Robert Malouf

"So, where are you from?" That is a simple rhetorical question, but being of Lebanese/Welsh extraction, born in Texas, raised in Montana, educated in Oregon, and living in New York, I used to think about it too much and would say something like, "What do you mean by 'from'"? At that point most people would conclude that I either worked for the CIA or that I was an illegal allien. Now I just say that I am from New York, and they ask me if I know their cousin in Brooklyn.

Growing up in Missoula, Montana, my interest in marine science came naturally. After all, the University of Montana, where in 1968 I received a B.A. in Zoology, is only about 700 miles from the coast. Actually, I was lucky enough to take a couple of especially good field-oriented courses from an invertebrate zoologist, fresh from Scripps, and I was hooked on marine biology. So, in July of 1968 my wife and I loaded up a U-Haul trailer and headed for graduate school at Oregon State University. In August of 1970, I received an H.S. in Fisheries from O.S.U., and I accepted the position of "Resident Biologist" in shellfisheries at the University of Delaware's College of Marine Studies in Lewes. Working in Lewes was great fun, but after two years I knew that it was time to go back to graduate school. In 1972 my wife and I packed up again and moved, now with a son (Rob) and daughter (Beth), back to Oregon. This time, I had a "super-tech" position at O.S.U. while I worked on my Ph.D. That allowed us to live more comfortably than most graduate students (i.e., no more "road-kill surprise" for dinner). In April of 1977 I defended my Ph.D. dissertation and began looking for (shudder) a real job. In July I was offered a faculty position in shellfisheries biology (whatever that is) at the M.S.R.C. So, we packed up again and moved east, to Stony Brook and a cardboard house in the "B-Section", where we have lived ever since.

Between 1977 and 1987, I suppose that I had the about average amount of outside support for research, focused on a variety of aspects of the biology of commercially important bivalve molluscs; I taught (or co-taught) courses in shellfisheries and aquaculture; and I had the challenging and immensely rewarding experience of serving as advisor for about 20 graduate students.

In January of 1987 I accepted my current position as Director of the New York Sea Grant Institute. I still have faculty status at the M.S.R.C., but I am less involved with graduate students, research, and teaching than I would like to be. Directing Sea Grant has been a tremendous learning experience; it is much more complex and a bit more fun that I expected it to be. My biggest fear is that I will become a bureaucrat. A certain amount of bureaucratic stuff comes with the job, but I worry about the time when I don't recognize it as such, or, worse yet, when I believe that institutions are more important than people. That will be the day when I go back to Montana to grow oysters.



Welcome to a new year of Soundings. Irma Lagomarsino has volunteered to type Soundings each week and Eatt Monetti will continue to do paste-up at least through October. If Soundings is to continue to be more than a weekly calendar, we will need more volunteer help. Someone has to take over the paste-up job when Matt finishes his degree work. We also need more editorial help to make Irma's typing job easier. If you would like to join the Soundings crew, please see Jeri Schoof.

HSRC GENERAL STORE NEWS.....

A new shipment of T-shirts has arrived. We have Large and Extra-Large in Grey, Peach, Aqua and Tan. The price is still \$7.00 per shirt.

There are only a few painters caps in stock but a new order has been placed and should arrive in about 2 weeks.

We have pencils (3 for \$1.00), binders (\$4.50 ea.), mugs (\$6.00), and postcards (\$0.25 ea.).

One seat at a luncheon to honor Tom Gulotta and Pat Halpin's induction into the Long Island Hall of Fame is available through the Main Office. The luncheon is Friday, September 8, at the Garden City Hotel 11:30-1:45.

FACULTY MEETINGS.....

The first faculty meeting of the academic year will be September 11 at 8:30 in Challenger 165. The second meeting will be October 3, 8:30.

CAT FOSTER HOME NEEDED.....

Dr. Hartmut Peters, a new Assistant Professor joining MSRC October 1, needs a temporary home for his cat. Dr. Peters and his wife will stay at Parson's house September 27 - October 15. But the cat can't stay there. If you could give the cat a home for two weeks while the Peters look for a place to stay, please see Jeri.

CONFERENCE ANNOUNCEMENT.....

* The Hofstra Cultural Center in joint sponsorship with the NY State Senate Committee on Environmental Conservation and the NY State Assembly Committee on Environmental Conservation announce a call for papers for "The Environment: Global Problems, Local Solutions" which will be held on June 7-9, 1990 at Hofstra University in Hempstead NY. Abstract due Oct. 15, 1989.

EMPLOYMENT OPPORTUNITIES.....

* Cornell Cooperation Extension of Cornell University is recruiting for Cooperation Extension agents. Eachelor's degree with major coursework and experience appropriate to the needs of the position required. Salary will be commensurate with qualifications, experience and geographical location.

POSITION SOUGHT.....

Dr. Antonieto Tan Tiu, a postdoctoral research fellow at Harbor Branch, is seeking a position in marine biclogy. His area of research is growth and nutritional assessment of tropical phytoplankton as feed for bivalve larvae. If you are interested, his resume is in the Main Office.

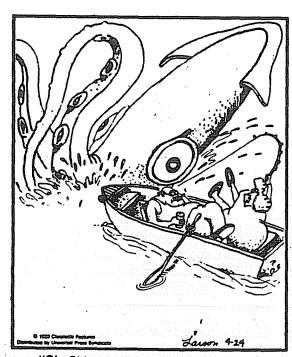
DEADLINES FOR SOUNDINGS...

Items for Soundings should be submitted to Jeri Schoof in the form in which they are to appear by Honday, 5 p.m. each week. These would be items happening the following Monday or later - there is a week log. Items not in final format will be returned. Unfortunately, we do not have the staff to summarize articles or write items from circled "key words" (formats given to us in the past). To expecite production we need items ready for straight typing.

FUNDING ANNOUNCEMENT....

* Starting October 1, NSF program officers will be authorized to make grants for small-scale exploratory, high risk research in all fields of science, engineering and education normally supported by NSF, through brief proposals without external review. See Jeri in the Main Office for additional information.

THE FAR SIDE by Gary Larson



"Oh, Sidney! Look! I wasn't snagged on the bottom!"

INTERNSHIP OPPORTUNITIES.....

* The New York State Assembly Intern Committee is offering internship opportunities for students during the Spring Semester. The Session Intern Program, for college juniors and seniors, includes classes supervised by on-site faculty and provides a \$2,000 stipend.

The Committee also selects up to ten Graduate Scholars from among outstanding individuals who are matriculated in or have completed graduate degree The Scholars work on programs. policy analysis, research and program development projects with Assembly leaders from January to mid-August. Graduate Scholar is awarded a \$13,500 stipend for the eight months. Students interested in this program should apply directly to the Assembly Intern Committee by Nov. 1, 1989.



Vol. IV No. 18

September 11, 1989

CALENDAR of EVENTS September 11 - 17, 1989

Mon 0830 Faculty Meeting, Challenger 165

Tue

Wed 1145 Weekly Seminar, Challenger 165 - "The Consequence of Larval Development Mode for the Population Dynamics of Benthic Invertebrates: lessons from a poecilognous polychaete" by Lisa Lerin, NCU.

Thu 1530 Faculty Coffee, Dana Conference Room

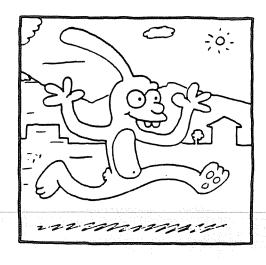
Fri 1500 Friday Discussion Group, Challenger 163 "Weekend Ambles in England" by Mary Scranton and Roger Flood, MSRC.

MSRC STUDENT PROFILE Chris Schubert

As a kid, growing-up as a "water rat" on L.I. Sound, having been taken sailing at 5 weeks old, etc., fulfilled many of the oceanographer-to-be cliches. My first tastes of variety, (namely French girls) were made during student exchanges to Geneva and Montreal while in high school. Following the latter was a year in Seattle at U.W., (in the bio. ocean. program) after which a couple of youthful misjudgements conspired to send me packing. Logically, the next step was to evaluate my full potential, separating mud and clams for L.I. Oyster Farms. This provided the opportunity to work outdoors all four seasons, and quelled much of my lust for full-time work on the water.

Not surprisingly, my interest keenly shifted toward getting into the engineering program at Stony Brook. However, after one year of physics and the prospect of a couple more, the idea of looking at rocks became quite attractive. Subsequently, I pursued a B.S. in geology from Earth & Space Sci. and in the process picked-up a minor in marine environmental sci. (from MSRC). Along the way I also picked-up a tavern. Unfortunately, it was the old-fashioned way: I inherited it! And so, while trying to maintain my sense of humor, and keep a 3 in the farleft column of my GPA, I distinguished myself (dubiously) as the only undergrad in the department with a bar, (for two years) until I finally managed to sell it.

Geology continued to bring me good fortune as I approached graduation and headed-off for rights of passage: summer geology field camp. This experience taught me to curse Black Flies, the nuances of cheap beer, and how to fight forest fires. The past year at the MSRC, though, has caused my activities to be a bit less diffuse. Working on coastal geology under Henry Bokuniewicz affords me the opportunity to do beach surveying in East Hampton while tip-toeing around acoustic intruder alarms and on Fire Island where unclad sunbathers of mixed persuasions quiz you on your work.



Thanks to the hard work of the Distinguished Visiting Scholar Committee (J. Aller, C. Decker, N. Fisher, V. Gerard, S. Horrigan, C. Lee, J. Rine, and D.-P. Wang), we have an all-star cast of Scholars lined up for 1989-90

| Scholar | Institution | Dates | Host |
|-------------------|---------------|--------------|---------------|
| Fred Ziegler | U. Chicago | 25-29 Sept | R. & J. Aller |
| Michael Whitfield | Plymouth | 30 Oct-3 Nov | N. Fisher |
| Ed Goldberg | Scripps | 13-17 Nov | N. Fisher |
| Barry Hargrave | Bedford Inst. | 19-23 Mar | N. Fisher |
| Jim O'Brian | Florida S. U. | Apr-May | DP. Wang |

If you would like to act as co-host or student host for a particular Scholar, please contact their listed host.

POSTING OF NOTICES.....

Please do not post notices on the doorframe of the mailroom. There are many bulletin boards around the Center and notices should be placed on them. In Endeavour there is one for conferences, one for social notices/funding opportunities, one for non-MSRC seminars, one for MSRC seminars, one for graduate programs and one miscellaneous to name a few! Notices taped on doorframes and walls will be removed.

PROPOSAL DEADLINE.....

Proposals (signed original and 20 copies) submitted to NSF Ocean Sciences Section for consideration by the next panel must be submitted by October 1, 1989. Proposals missing this deadline will not be considered until the April 1990 panel (if panel discussion is necessary).

BABYSITTER WANTED.

Susan Risoli, a former MSRC employee now working for the University News Office, is looking for someone to stay with her 5-year old daughter weekday mornings from 0800-1230 at their apartment in Lake Grove. If you are interested, please call Sue at 361-6530.

STATE PURCHASING INFO EXCHANGE.....

The State Purchasing Department would like to send two representatives to MSRC to discuss ways of improving the Purchasing process and solutions to problems we and they have. Please drop a note in Jeri Schoof's mailbox if you would be interested in attending and it so, indicate time of day that is best for you. We'll try to accommodate as many people as we can.

MICROBIOLOGIST SEARCH....

A number of candidates for the faculty position in marine microbiolog have been invited for formal interviews These candidates and the dates of their visits are: Dr. J. Stolz - Sept 7-8

Dr. E. Sherr - Sept 18-19

Dr. D. Kirchman - Sept 21-22

Dr. J.T. Hollibaugh Oct 5-6

Dr. G. King Oct 19-20

After the seminar presentation i each case, there will be a period durin which students can meet as a group wit a candidate. Individual meetings can k scheduled as time permits by bot faculty and students, by contacting Bo Aller.

JPCOMING SEMINARS....

There will be a special seminar on Monday, September 18, at 12 Noon in Challenger 165, "Jumping Through the Microbial Loop: roles of Protozoa in Marine Food Webs" by Dr. Evelyn B. Sherr who is a candidate for a faculty position in marine microbiology.

NEW STAFF MEMBER.....

Maria Warren has joined the Center as a new secretary in the Main Office. It has been a long and difficult search to find someone to replace Theresa Mackin. Please stop by to introduce yourself and to welcome Maria to the Center.

FAX FACTS....

Please be sure to fill in all the information requested on the facsimile cover sheet. That means address complete with State, the total number of pages to transmit, and the date. Jeri needs this information in order to prepare the billing vouchers. Missing information requires more of Jeri's time and she doesn't have it to give. Please help by completing the form in total. Thank you.

PERSONAL....

I'm still collecting the international postage stamps for a friend of mine. If you have any you don't want, please place in my mailbox. Thanks. Jeri Schoof.

STUDENT COMPUTER CLUB MEETING.....

On September 12 at 1130 there will be an incoming students' computer orientation meeting in 158 Endeavor. The purpose of this meeting is to introduce incoming students to the MSR computing facilities, to provide a forum for student questions regarding computers and to familiarize student with little or no computer experience with the basic features of the facilities. All new or interested students are encouraged to attend.

VOLUNTEER.....

If you are looking for a volunteer to h hel out with field and/or laboratory work, Davi Tonjes is interested. David received a B.A. i computer science and has considerabl teaching experience. He would like to gai some laboratory and field experience befor enrolling in a doctorate program. Fc information call Sheila Charon at 2-8641 c stop by the Waste Management Institut where a copy of his resume is on file.

SENIOR RURAL SOCIAL SCIENTIST SOUGHT......

* The BIFAD is searching for a senior rural social scientist to provide the leadership is relating to A.I.D. programs and policies with specific reference to the involvement of U.S. universities. The deadline to apply October 13, 1989 and the appointment is effective January 1, 1990 or as soon a practical thereafter.

From: MSRC awards committee

Subject: Awards we expect to make between Sept. 1989 and Aug. 1990

Awards listed below were made during the last year. As the indicated deadlines approach, you should confirm that the awards are indeed available again this year. New announcements will be issued for each award in advance of the actual deadline. Applications for all awards should be made to the MSRC awards committee unless otherwise noted.

<u>MSRC travel awards</u>: Each year MSRC has available <u>limited</u> funds to assist graduate students in attending professional meetings. Criteria to be used in selection are as follows:

- 1. All requests must be received by the appropriate deadlines (1 October for travel before 1 February; 15 January for travel after 1 February but before 1 June; 15 May for travel after 1 June but before 1 October 1990).
- 2. Priority will be given to advanced students presenting research results. The student should be first author on the paper to be presented and should be personally making the presentation.
- 3. An abstract should be submitted with each request for funds if possible.
- 4. Need must be demonstrated. The student and/or advisor will be expected to provide partial travel support. This should be confirmed in a letter.
- 5. Priority will be given to students whose attendance at the meeting will be of value in searching for a job.
- 6. Funds will be provided for a maximum of one meeting per year per student.

Since the Graduate Student Organization also has funds for student travel, we recommend all students also contact them for support.

Ted H. Schubel Award: This award is made annually to assist an outstanding student in the conduct of his/her field work. The award is \$500 and must be used in support of field activities associated with the student's thesis research, either MS. or PhD. It is a competitive award and will be made on the basis of a short (3-5 page) proposal and a letter from the student's advisor. The deadline for applications will be 15 May 1990.

Kenneth P. Staudte Award: This award, given in memory of Kenneth P. Staudte, an alumnus of SUNY Stony Brook, recognizes the MSRC Graduate Student who demonstrates the most innovative and important contribution to the resolution of a complex environmental problem through the application of the results of research. The recipient will receive a \$200 check and a certificate. Publications and/or theses and a letter of nomination from the student's advisor shall form the basis for selection. Since no award was given last year, we will consider publications and theses completed between 1 October 1987 and 1 October 1989. Nominations must be received by 1 October 1989.

- <u>D.W. Pritchard Award</u>: The D.W. Pritchard Award is given annually to the MSRC student who has completed the "best" thesis. Separate awards will be given for PhD. and MS. theses. The two successful students will each receive both a monetary award of \$250 and a certificate. (For "old" faculty, this award is intended to be similar to the Steinberg/Squires award.)
- 2. Theses completed between 1 June 1988 and 31 May 1989 are eligible for consideration. Nominations will be accepted through 1 November 1989.
- 3. Each faculty member may make only <u>one</u> nomination for each category (MS, PhD) of this award. The nomination must be in the form of a letter stating why the subject thesis should be considered.
- 4. The following criteria will be used for selection. Note that these are not listed in order of importance, and in fact the weight to be placed on each criterion is left up to each individual committee member. The nominating letter should address the criteria indicated.
 - a. Where did idea for thesis topic originate (student, advisor)?
- b. Is thesis subject original in nature or a repetition of something done before?
 - c. How much originality did student show in pursuing research?
 - d. How independent was student in pursuing his/her research (How much help did she/he require?)
- e. What was/will be the impact on field (importance toward advancing knowledge or our ability to solve problems)
 - f. How well written is the thesis?
- 5. It should be noted that applied research will be given equal weight to basic research in making this award.

MSRC Alumni Association Award: The MSRC Alumni Association offers an award for the best Master's thesis research proposal produced by a first year student currently enrolled full-time at MSRC. Proposals should be submitted to the Graduate Programs Office. Applications are considered by a joint panel of MSRC alumni and faculty (not the MSRC Awards Committee). Deadline was in early to mid-August in 1987.

Mildred and Herbert Weisinger Fellowship: This award had been made through the Graduate School to a deserving graduate student who is working on his/her dissertation. The amount of the award is \$200. The criteria for the award are (1) that it should be awarded to a graduate student who needs the money to complete a dissertation which otherwise would be delayed and (2) that the thesis bears scholarly promise. One candidate may be nominated per department and nominations should include a short resume of the nominee's status as a graduate student (date of admission, year of study, etc.), the date of advancement to candidacy (attach a copy of the approval form), the expected date of completion of the doctoral degree and a letter of recommendation from each of the advisor, chairman and a professor in the program. We have not nominated students for this in the past because we have not been able to meet the University deadline of early March. Therefore, the MSRC Awards Committee will accept nominations in anticipation of the availability of this award with a deadline of 1 February 1990.

The OMNET electronic mail system is a treasure trove of information for oceanographers. One of the system's many "bulletin boards" lists employment notices for marine science positions around the world. I print out all JOBS notices and post them on our employment bulletin board (the cork kind) located approximately across the hall from the mail room. I will submit the "scan table" (OMNET's version of a table of contents) for JOBS each week to Soundings. If a job interests you, first check the bulletin board for the printout. If you cannot find it there, let me know the "Delivered" and "From" information as listed below and I will print out a copy for you. Happy hunting!

Tom Wilson Discovery 102, 2-8706

| JOBS LISTINGS FOR AUGUST 1989 | e (an extra big batch to start you off |) |
|-------------------------------|--|-----|
| Delivered From | Subject Li | nes |
| Aug 1 19:17 T.LIU | AIR-SEA INTERACTION AND CLIMATE | 31 |
| Aug 2 10:47 M.DELANEY | UCSC Light stable isotope | 29 |
| Aug 2 11:14 M.HOLMES | USGS, CA, Nav/Real-Time CompSci | 27 |
| Aug 7 9:37 W.PLANT | WHOI remote snesiensing position | 17 |
| Aug 10 16:41 USM.CMS | Ass't Director/Fisheries Positio | 49 |
| Aug 11 22:24 W.BELL | MARINE/ESTUARINE SCIENCES AT U M | 38 |
| Aug 15 10:36 NDBC.CENTER | ASC: METEOROLOGIST | 31 |
| Aug 16 14:59 E.BARROWS | Exposure Assessment Research Sci | 32 |
| Aug 18 14:34 S.SMITH.HAWAII | Lab-field technician in marine b | 34 |
| Aug 20 14:32 P.KRONFIELD | Data aquisition and processing p | 38 |
| Aug 21 9:12 F.SCHOTT | Position at IfM Kiel (Phys. Ocea | 25 |
| Aug 21 16:16 UNH.OCEAN | Oceanographic Engineer Position | 57 |
| Aug 23 9:29 W.BELL | DIRECTOR, U MD CENTER (CEES) | 52 |
| Aug 24 17:28 A.DEEPAK | POSITION FOR ATMOSPHERIC SCIENTI | 16 |
| Aug 25 17:42 O.BROWN | Meteorology Positions at U of Mi | 22 |
| Aug 25 18:41 OCEAN.NPS | | 26 |
| Aug 28 13:37 O.BROWN | Research Associate opening at U | 36 |
| Aug 28 18:51 OCEAN.NPS | POLAR OCEAN POST-DOC | - 1 |
| Aug 29 9:53 OCEAN.NPS | POLAR OCEAN POST-DOC POSITION | 1 |
| Aug 29 11:23 IOS.WORMLEY | IOSDL MARINE PHYSICS POSTS | 5 |
| Aug 29 16:17 ANTARCTIC.OPS | NSF/DPP ELECTRONIC ENGR. | 99 |
| Aug 30 11:32 DALHOUSIE.OCEAN | Atmospheric Science position | 32 |
| Aug 30 11:42 G.PATTON | MARINE MAMMAL TECH. POSITION | 20 |
| Aug 30 16:18 M.GHIL | FACULTY OPENING UCLA(ATMOS.SCI.) | 52 |

(TABLE NOT EDITED - TYPOS ETC. ARE AS ENTERED BY MESSAGE POSTER - TCW)

WHAT'S NEW is a weekly "column" edited by Robert L. Park of the American Physical Society. is distributed through several electronic mail systems, including OMNET. I find it a lively source of short news items written by scientists for scientists, and will be it to submitting SOUNDINGS regularly.

-Tom Wilson

WHAT'S NEW
Friday, 1 September 1989
Washington, DC

"THE MARTIAN CHRONICLES," BY DAN QUAYLE. In an August 11 interview on Cable Network News, the head of the National Space Council, Vice President Dan Quayle, explained why the US should undertake a manned mission to Mars: "Mars is

(Dan Quayle continued)
essentially in the same orbit.
Mars is somewhat the same
distance from the sun, which is
very important. We have seen
pictures where there are
canals, we believe, and water.
If there is water, there is
oxygen. If oxygen, that means
we can breathe."

TOP GOVERNMENT SCIENTISTS MAY SOON EARN MORE THAN DAN QUAYLE. Senior weapons scientists in the DOD and DOE could draw annual salaries as high as \$134,250, 50% above Civil Service maximum, if the Senate gets its way in conference with the House. As many as 500 scientists and engineers could be affected. Congressmen, by contrast, earn \$89,500, and the Vice-President is paid \$115,000. Although the measure was supported by better than two to one in the Senate, it is expected to be opposed by the House the Defense when Authorization to goes conference. DOE would also be allowed to exempt 25 officials from the revolving-door law. For two years after leaving government service, federal employees are currently barred working for the same contractors they may have been enriching, but Secretary of Energy Watkins wants to be able to borrow senior scientists from the national laboratories.

THE BROOKHAVEN ALTERNATING GRADIENT SYNCHROTRON USERS GROUP has mounted a lobbying effort to restore the \$10M the Senate cut from the FY 90 AGS budget (WN 28 Jul 89). "The proposed cut means the end of particle physics at the AGS," according to a statement circulated by the Chairman of the AGS Users Group. "While it has been assumed that existing facilities will

closed when the SSC becomes operational," the statement says, "it was never envisioned by any of the advisory panels that a major assault begin on existing facilities 10 years in advance of the SSC." Citing rumors of a 50% cut for SLAC and Fermilab in FY 91, the statement says closing these facilities in a few years could "kill the future of the field." The only chance to restore funds will be when AGS Conference Committee after Labor Day to resolve differences between the House and Senate versions. Although the House did not target a particular program, it did take a big cut from General Science and Research (WN 30 Jun 89).

THE FINAL YEAR "CUSPEA" STUDENTS ARE ARRIVING SCHEDULE at US universities, in spite of concerns following the crushing of the pro-democracy demonstrations in June. China-US Physics Examination and Application program originally scheduled to three years ago, but extended to 1989 at a reduced level of about 75 students/year. Most of this year's 74 have arrived. A recent visitor to China reports that the incoming student body at Chinese universities fall has been drastically cut. The cuts were imposed without consultation with university presidents.

Robert L. Park (202) 232-0189 The American Physical Society NASA Headquarters, Contracts and Grants Division, Washington, D.C. 20546,

Attn: HWC/Richard Kall A -- SPACED-BASED OBSERVATIONS IN IN-TERDISCIPLINARY OCEANOGRAPHIC SEARCH Due 18 Sep 89. POC: Richard Kall, 631: 202 453-1820. This is a sources-sought synopsis. NASA Headquarters is interested in identifying a qualified organization to provide scientific and technical services to assist NASA in optimizing the use of space-based observations in interdisciplinary oceaographic research over a five-year period beginning on October 1, 1990. The anticipated level of effort over this period will approach, but not exceed seven and one-half million dollars. The contractor will assist NASA in determining how best to coordinate and implement programs which integrate ongoing and proposed ocean-related satellite missions with complementary in-situ oceanographic field programs, in order to secure maximum benefit to the research community. Scientific and technical services are to be provided in the following five areas: (1) Coordinate ocean-related program interfaces with national and international field programs including, at minimum, the World Ocean Circulation Experiement, Tropical Oceanography/Global Atmosphere program, global Ocean Flux Study, and rogram for International Polar Research; this ω includes interactions with the national and international bodies which have established and funded these programs. (2) Coordinate NASA interfaces with established national oceanographic datya archives, such as the National Oceanographic Data Center and the National Snow and Ice Data Center; this includes their interactions with the proposed new Earth Observing System (Eos) Data and Information System regarding oceanographic and allied data sets. (3)Coordinate NASA interfaces with those activities of the national and international oceanographic research community regarding data processing, archiving, and networking for space-

derived ocean-related observations (4) Serve as the focal point for the multi-disiciplinary ocean science community in the new interdisciplinary forum of the NASA Earth Sciences and Applications Division (Code EE) regarding oceanographic research issues and programs. (5) Provide scientific advice to Code EE and to the Eos Program Scientist in matters relating to the management of interdisciplinary programs involving physical, biological, chemical and polar oceanography, this includes the provision of disciplinary experts, as needed, to provide recommendations for the use in the management of ocean-related research tasks. In order to be considered responsive, prospective offerors must, as a minimum, do the following: (1) Submit a comprehensive statement which demonstrates the offeror's ability to draw upon the collective views and advice of the oceanographic research community, to be free of possible conflicts of interest in future competitive development activities, to be a capable and credible representative of the US Oceanographic Research Community (USORC), and to have no individual institutional bias. (2) Demonstrate an ability to represent the consensus views of the USORC in the international forum (3) Provide evidence of current or recent experience in the management of large oceanogresearch projects programs Demonstrate an ability to draw together, in a timely manner, extensive community experience in oceanography, ocean remote sensing ocean data systems, and oceanographic project management. (5) Demonstrate an ability to conduct successful working relationships with other ocean-related US agencies such as NASA, NSF NOAA, ONR, DOE and the State Department as well as their foreign counterparts (6) Demonstrate a good working knowledge of the research strategy for the coming decade covering both in situ and satellite-based oceanographic research. (7) Demonstrate successful involvement at both the management and planning level with oceanographic research in support of global change research programs (8) Provide resumes and background of key personnel demonstrating their experience in applicable oceanographic disciplines (227)

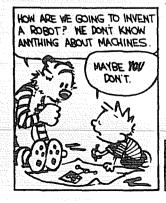
MEETING ANNOUNCEMENT.....

* The tenth meeting of the Society of Environmental Toxicology and Chemistry, with a theme of "Transboundary Pollution" will be held October 28-November 2, 1989 at the Royal York Hotel in Toronto, Ontario Canada. Registration fees are due September 27, 1989.

GRADUATE FELLOWSHIPS IN ENVIRONMENTAL STUDIES.....

Graduate Fellowships providing field teaching opportunities and course work leading to a Master of Arts Degree in Environmental Studies, with a concentration Environmental Education. are now available at the New Jersey School of Conservation, located in Stokes State Forest, Sussex County, New Jersey. In addition to room and board at the New Jersey School of Conservation, The Teaching Fellows will receive a stipend of \$1,500 for the academic year and remission of tuition for all graduate courses required to fulfill the specific degree requirements. Applications must be submitted no later than February 16, 1990.

CALVIN AND HOBBES by Bill Watterson



IT'S EASY. THERE ARE JUST FOUR SIMPLE MACHINES TO ALTER FORCE: THE LEVER, THE PULLEY, THE INCLINED PLANE AND, UM, THE INTERNAL COMBUSTION ENGINE.







MSRG Soundings

State University of New York
Stony Brook NY 11794







Vol. IV No.19

September 18, 1989

CALENDER OF EVENTS September 18-25, 1989

Mon

Tue

Wed 1200 MSRC Weekly Seminar, Challenger 165.

Thu 2000 AWIS (Association for Women in Science) meeting-open poster session by members (See Sarah Horrigan, End. 161 if you want to participate). Room S-240 Math Tower. Refreshments at 1930.

Fri Friday Discussion Group. Sarah Horrigan, Challenger 163.

STUDENT PROFILE

YUVAL ESHET

When asked to write something about myself, I started thinking what I could use as a binding principle. Something that would make my one page life story look like a story (a narrative) and not like a resume.

The following lines are a short picaresque journey through my very international background and life. The places I have been to and where I have lived, will tell you- I hope- a little bit about who I am.

I was born in Israel to an Israeli father and a Polish mother. Due to my fathers job, I spent most of my childhood away from Israel. By the time I was six, I had learned Rumanian (in Bucharest) and Italian (in Rome) and forgotten both. My longest stay abroad as a child was in Brazil (Recife and Fortaleza) where I spent three years and which I still remember very fondly. Portuguese is also the first foreign language I did retain. Upon my return to Israel, I became a swimmer and the remainder of my childhood and teens were spent mainly training and going to school. At the age of 18, I started my three year army service, after which I came to the U.S. I arrived in Miami in 1984 to get my undergraduate degree in Biology and Marine science from the University of Miami. While living there, I also had a job with the Israeli Airline, a job that again, took me places like the Netherlands, England, France and Colombia.

I married Eva, a Mexican, in 1986. We live in Queens with our two cats, Bubolina and Zorba who are of course Greek.



PETER'S CAT 'OUT IN THE COLD'

So far no one has offered to help the Peters' by housing their cat for the first two weeks of their move to Stony Brook. They are coming from Seattle and really are at a loss as to what to do with their cat. The Parsons House does not permit animals. If anyone can help, it would be a very special welcoming gesture. Please see Jeri.

CORNELL COOPERATIVE EXTENSION

* Cornell Cooperative Extension in New York State is recruiting for Cooperative Extension agents. General responsibilities include developing, conducting and evaluating community education programs for 4-H youth, consumers, farm families, community leaders, and small businesses. Minimum qualifications include a bachelor's degree with major coursework and experience appropriate to the needs of the position.

CALL FOR PROPOSALS

* The New York State Center for Hazardous Waste Management invites proposals for its 1989 research and development program. The center seeks innovative creative projects. The deadline for submission of completed full proposals is 5:00 p.m. November 30, 1989. Please note: the office of Research Services must receive proposals ten working days prior to sponsor deadline.

CPR COURSE ANNOUNCEMENT

The last time the Center sponsored a course in cardio-pulmonary resuscitation, it was very successful. We hope to arrange another CPR course this fall. Look for a sign-up sheet in the mail room shortly to indicate if you are interested in participating. Please considering doing so; these lifesaving techniques can be just that.

RESEARCH AND DEVELOPMENT GRANTS

* The New York State Science and Technology Foundation has issued its 1989 Solicitation for Proposals under the Research and Development Grants Program. The Foundation encourages the submittal of proposals for research that will contribute to economic development in the State by advancing technological innovation. The deadline for receipt of preliminary proposals in Albany is October 10: all SUSB proposals will therefore be due at the Office of Research Services no later than October 2. Full proposals are due January 8, 1990.

SPONSORS WANTED FOR 10K PLEDGE WALK TO BENEFIT AIDS CARE AND SERVICES ON LONG ISLAND

I'll be walking on Sun. Sept. 24th in the AIDS Pledge Walk. Some of these funds will go to benefit Little Flower Children's Services, which finds foster homes for babies born with AIDS. It takes very special people to give love and care to a child they know will only live 1-4 years. This kind of program deserves our support. Please stop by my office (Endeavour 109) and pledge what you can. Thanks. Mitzi.

FACULTY MEETING

The next faculty meeting will be Tuesday. October 3, at 0900 in Challenger 165. Agenda items should be given to Sharyn by Friday, September 29.

FLAX POND CLEAN-UP

Tuesday, October 3, has been chosen as Flax Pond Clean-up Day. A van will be available all day to transport people from MSRC to Flax Pond. This clean-up is not intended solely for Flax Pond users. It is hoped all MSRC personnel will volunteer to help spruce up this important MSRC facility. Clean-up hours will be 9-5 pm. A sign-up sheet is on the door to the Main Office. Fifty-three people helped on MSRC Clean-up Day. Lets match that number for Flax Pond. A lunch for volunteers will be held at a later date.

SOUNDING CALENDER

Items for Soundings Calender should be written on the sheets outside the Main Office. Entries will be typed exactly as they appear, so enter complete information.

HELP! (PLEASE)

If anyone at the Center is using Wordstar 5.0 and knows how to use the Mail Merge feature successfully, would you please take some time to work with Sharyn, Maria and Christian to get them comfortable with it.

EDITORIAL ASSISTANCE STILL NEEDED

We still need editorial help for Soundings. Please see Jeri if you can assist.

WHAT'S NEW Friday, 8 September 1989 Washington, DC

THE HOUSE AND SENATE REACHED AGREEMENT ON THE SUPERCOLLIDER yesterday. A Conference Committee accepted the Senate figure of \$225M, which is \$25M more than the House had voted, provided the extra \$25M be used for the first sector tunnel contract. Foreign participation is problem: a conferees agree that foreign participation in the SSC may negatively impact the development of high technology this country and development outside the US. On other hand, foreign contributions may make significant reduction cost of the SSC." Wrong both Their "solution" is to times! foreign-participation require agreements to be approved by The Committee was Congress. also concerned about what called, "credibility concerns associated with the SSC cost estimate." They said the R&D accomplished this year should enable DOE to make a more precise cost estimate.

REAUTHORIZATION OF THE REDUCTION ACT," "PAPERWORK facing a 30 Sept. deadline, the subject of intense backroom The PRA gives negotiations. the Office of Management and Budget authority over the collection and dissemination of government information. As we pointed out (WN 11 Aug 89), OMB limited public access to information in electronic format by directing agencies to CD-ROM data without supply access instructions. The draft is still changing, but a recent would plug revision loophole by requiring agencies to disseminate such information in "usable electronic formats," "available with software. indexes and documentation." At

the urging of information industry lobbyists, however, another provision was inserted requiring that, before agencies distribute information, decide whether other public or private sources could do job. This means that public, whose taxes paid for collecting the information, may pay a private information company for privilege of seeing it.

DAN QUAYLE FINISHED OFF RONALD REAGAN'S "STAR WARS" CONCEPT on Wednesday. In an interview with the Washington bureau of the LA Times, the told his startled President listeners that the idea of impenetrable shield was never realistic; it was, he said, only "political jargon." Quayle, of course, was one plan's staunchest supporters. Now that he has freed himself however, jargon, advocates "Brilliant Pebbles" instead! He admits it would be only a partial defense, thinks it would be far cheaper than the Reagan plan. clear what effect comments will have on Congress, which has not yet agreed on an FY 90 appropriation for SDI. The episode brings to mind the Vice President's speech to Negro College United Fund: trying to recall the organization's slogan, he said: "What a waste it is to lose mind--or not to have a one's mind. How true that is."

OSTP UNVEILED "THE FEDERAL HIGH PERFORMANCE COMPUTING PROGRAM" today. The \$2B program, presented to Congress by Allan Bromley, includes a national "data highway" linking research institutions.

Robert L. Park (202) 232-0189 The American Physical Society Special Seminar Monday, September 18, 1989

Dr. Evelyn B. Sherr Marine Institute The University of Georgia Sapelo Island, Georgia

"Jumping through the microbial loop: roles of protozoa in marine food webs"

12 Noon Challenger Hall Room 165

(Dr. Sherr is a candidate for a faculty position in marine microbiology)

"JOBS" SCAN TABLE FROM OMNET

| Del | ive | ered | From | Subject | Lines |
|-----|-----|-------|-------------|---------------------------------|-------|
| Sep | 5 | 8:03 | T.KINDER | Phys. O. Prof. at Naval Academy | 36 |
| Sep | 5 | 10:05 | B.RALEIGH | Position Available | 16 |
| Sep | 6 | 1:29 | R.ZIMMERMAN | Research Technician | 34 |
| Sep | 7 | 10:49 | H.WOOD | EosDIS Vacancy | 66 |

Data is reproduced above as received from TeleMail system. Originator of message is responsible for typos and vagueness of subject. Full message is printed out and posted on Endeavor Hall Employment Bulletin board. If you cannot find the announcement that interests you there, give me the delivery information from the scan table and I will print you another copy. Tom Wilson, Discovery 102, 2-8706.

Special Seminar Thursday, September 21, 1989

Dr. David L. Kirchman College of Marine Studies The University of Delaware Lewes, Delaware

"The role of heterotrophic bacteria in ammonium uptake and regeneration in the subarctic Pacific"

4:00 p.m. Challenger Hall Room 165

(Dr. Kirchman is a candidate for a faculty position in marine microbiology)



Vol. IV No. 20

September 25, 1989

CALENDER OF EVENTS September 25 - October 1, 1989

- Mon 1000 Welcome Reception, Endeavour Lounge. Distinguished Visiting Scholar, Fred Ziegler.
 - 1200 DVS Seminar, Challenger 165 "New Approaches to Paleogeographic reconstruction," Fred Ziegler.
 - 1700 Soundings entries due.
- Tue 1200 DVS Seminar, Challenger 163 "Climates and Biologic Productivity of the Marine and Terrestrial Realms," Fred Ziegler.
- Wed 1145 MSRC Weekly Seminar, Challenger 165, Dr. Fred Ziegler (Distinguished Visiting Scholar), "Reconstruction of Paleoclimates from Fossil Floras, with Examples from the Permian Period".
- Thu 1400 MSRC Executive Committee, Endeavour 113.
 - 1530 Faculty Coffee, Dana Conference Room.
- Fri Deadline for receipt of requests for travel awards.
 - 1530 Friday Discussion Group, Challenger 163 "Greenhouse' and 'Icehouse' Worlds, with examples from the Cretaceous and Recent," Fred Ziegler.

Associate Professor Meteorology. Physical and Oceanography at the University of Miami, passed away due to a terminal illness on Tuesday, 12 September 1989. We extend our sympathy to his family and friends for their loss of this special individual. As his friends and colleagues we will miss his contributions to our lives and science. Doug had many excellent qualities, but by far one of the finest was his willingness to participant in all areas of life. As a scientist contributed many insights into the complexities of atmospheric oceanic models. As and mentor to students he spent endless hours discussing their concerns and guiding toward a more complete understanding of the oceanic and atmospheric circulation. He fulfilled all these roles with enthusiasm and grace. Doug expressed his concern his fellow man through devotion to the blood donation program at RSMAS and as of the United leader Way effort. Through his example he showed us the importance of broad participation in life. Despite his short time with us, Doug's contributions were many. We shall remember Doug as a humanist, teacher and scholar, but most as a friend.

Dr.

Douglas

В.

Boudra,

-Otis Brown RSMAS

(Reprinted from OMNET)

The RADARSAT Project received official approval today, 13 September 1989. The Project will now move into Phases C/D/E, leading to a launch in 1994.

The RADARSAT Program is result of close collaboration between the [Canadian] federal government, provincial governments, Canadian industry and other potential users data. NASA will provide the RADARSAT launch in exchange data to support research programs, and NOAA will facilitate the general distribution of RADARSAT in the US.

RADARSAT will be launched on a medium class NASA rocket into a circular, sun-synchronous polar orbit at an inclination of 99 degrees to the equator. the satellite will circle the earth at approximately 800 km altitude, with a repeat cycle of 16 days at the equator. RADARSAT is planned to operate for a minimum of five years.

The payload module consists of the Synthetic Aperture Radar (SAR) with an antenna 15 m long and 1.5 m wide. The Satellite will operate at C Band, with an extremely flexible swathwidth selection. The antenna will be able to point its beam anywhere within a swath of 500 km, between 20 to 50 degrees off nadir, with coverage varying between 40 to 500 km within the swath, and resolution of 10 m to 100 m.

For further information on the RADARSAT Project, please contact:

Dr. Edward Langham Director RADARSAT Project Office Suite 200 110 O'Connor Street Ottawa, Ontario K1A 5M9 CANADA

(613) 993-8900 (613) 993-5021 (fax)

> -Lyn McNutt, Canadian Center for Remote Sensing, Ottawa

(Reprinted from OMNET)

FRIDAY DISCUSSION GROUP

Professor Alfred M. Ziegler (Distinguished Visiting Scholar) from the Department of Geophysical Sciences at the University of Chicago will present a lecture "Greenhouse' and 'Icehouse' Worlds, with Examples from the Cretaceous and Recent" in Challenger 163 on September 22 at 3:30 pm.

TIME SHEETS

All personnel supported on research funds will receive either a pink or green time sheet in their mailboxes approximately the first of each month. That time sheet must be signed by the employee and the project director and returned to Maria Warren by the 15th of the month. Time sheets returned after the 15th will result in delayed paychecks. If you are supported on research funds and do not receive a time sheet, please see Maria Warren.

SMALL INTERCAMPUS ENVELOPES

If you have an abundance of the small intercampus envelopes, would you please bring some to the main office.

ROLM PHONE QUIRKS

This is to warn you that if you allow a call to an off-campus party ring more than 6 times it will register as a one-minute call. This can be significant for international calls. This also applies to calls placed through the fax machine. If the fax does not begin to transmit by the 5th ring, hit the cancel button to disconnect the call. Otherwise you will be charged for the call.

FLAX POND CLEAN-UP

Don't forget to volunteer for the Flax Pond Clean-up. The sign-up sheet is on the door of the Main Office. To date we only have 5 volunteers. Honestly, we thought there were more people who cared about the Lab.

A/V EQUIPMENT

Please be sure to sign out any a/v equipment removed from the cabinet in the Supply Room.

U.S. NATIONAL COMMITTEE FOR MAN AND THE BIOSPHERE; REQUEST FOR PROPOSALS FISCAL YEAR 1990

* The mission of the US Man and the Biosphere Program is to foster harmonious relationships between humans and the biosphere through an international program of policy-relevant research which integrates social, physical and biological sciences to address actual problems. The US National Committee for US MAB hereby announces its priorities and criteria for the selection of original research proposals and projects to receive US MAB support in fiscal year 1990, contingent upon the availability of funds. No prospectuses will be accepted after November 6, 1989.

RESEC STUDENT PROFILE

JOSE GOMES-VALDES

Since I arrived at Stony Brook I have learned that the adjustment process to a second culture has several stages. Each one of them is characterized by certain kinds of behavior. In the first stage, when a person comes to a new country, he is fascinated and excited about everything; it is a happy stage by definition. I would like to share my "honeymoon" with you trough my development in MSRC.

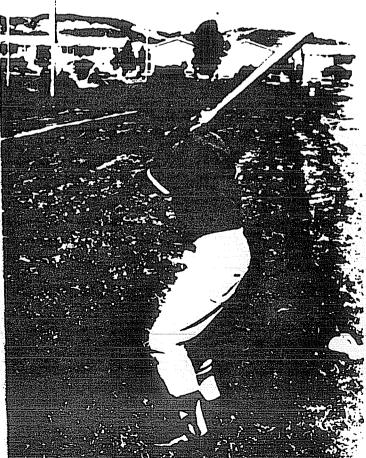
First, I would like to introduce myself. I come from Mexico and during the past ten years I had been working in Ensenada, in the coastal studies group that Prof. Donald W. Pritchard founded there. Ensenada is a beautiful fishing town located in the northwest of Mexico. I've come to Stony Brook in order to continue my training in Coastal Oceanography under advice of Prof. Don Ping-Wang.

Before Ensenada, where I started to learn something about the sea, I had been teaching mathematics in high school an college in the State University of Michoacan, located in the middle of Mexico. This is where I get my B.S. in physics in 1977. During this time, I was not only teaching math courses, but playing professional soccer.

...cond, I would like to mention that I have been here since the summer of 1988. In this period, I was in the Summer Institute in American Living of this University where I shared unforgettable moments in the classroom with my classmates and teachers, and I knew New York City.

The next thing that I would like to mention is the core courses period. It is the most arduous period of my exposition. On the one hand, I met very friendly and intelligent classmates and excellent teachers. But, on the other hand, this period was so hard for me that a comparison with the picture shown here, before core courses, an my appearance now is astounding.

If you want to talk about the little difference between "El Niño" and "La Niña", you can meet me at either the Friday Discussion Group seminar or jogging in the morning around campus.



MSRC STAFF PROFILE Valerie Philbrick

I had a fairly typical childhood. I was born in New Haven, Connecticut and raised mainly in a suburban town named Wallingford where my family still lives today.

I didn't see the ocean much as a child. My interest in marine science and chemistry began in high school. Although we didn't have any marine science courses, I became a member of the Cousteau Society and researched what I could about it. I had always enjoyed our school field trips to Mystic Aquarium (seeing marine mammals, fish, etc.) but somehow chemistry piqued my interest more than biology. I think the Mr. Wizard crystal growing set that my parents gave me when I was 10 triggered that interest. The microscope set I got later (with a nasty smelling dead frog—which is still there) was not quite as interesting to me. But now I have made friends with several microscopes. I find them to be very helpful when working with the "brown tide" organism (= 2 µm).

I had decided to go to Southampton College of L.I.U. and major in marine chemistry. Since I had 30 college credits from high school, I was able to graduate in 3 years. My first of two summer co-ops at Bristol-Myers Pharmaceutical Research Center in 1986 was in the microbiology dept. I tested anti-infective drugs on mice, rats, etc. (yes, the mice did die). The next year I moved to the chemistry dept. where those same drugs had been developed.

After graduating last summer, I looked and looked for a job in chemistry since I was planning on pursuing a Masters in marine natural products chemistry. Then MSRC came into the picture. Allen Milligan was and is a good friend of my boyfriend, Jim Carretta. Allen always visited us in Southampton while he worked for Liz Cosper (just a name I had seen in every publication about the "brown tide") and he told me all the neat things he did. I thought that I'd give MSRC a chance if they'd give me one - and

here I am!





Vol. X10, No. 21

October 2, 1989

SCHEDULE OF EVENTS October 2-9, 1989

Mon

Tue

Flax Pond Clean-Up, all day.

0900 Faculty Meeting, Challenger 165.

Wed 1145 MSRC Weekly Seminar, Challenger 165, Dr. Grace Wyngaad (James Madison University), "Adaptive Variation in life history of diapausing and non-diapausing populations of the fresh water copepod, Mesocyclops edax"

Thu 1530 Faculty Coffee, Dana Conference Room.

Fri 1530 FDG- Steve Englebright, Challenger 165 (note special room).

FACULTY GRANTS

SUNY sponsors the Faculty Grants for the Improvement of Undergraduate Instruction Program to cover special expenses incurred by faculty in the development and implementation of innovative projects involving undergraduate teaching. Maximum awards for proposals submitted by individual faculty is \$2,500. Up to \$4,000 is available for jointly-authorized proposals. Submission deadline at Office of Research Services, which has application materials, is 23 October 1989.

INSTITUTE OF WATER RESEARCH

* A conference "The Midwest Groundwater Quality Protection Challenge" will be held on Nov. 1-3, 1989 at the Pheasant Run Resort Hotel in St. Charles, Illinois. Deadline for registration is October 15, 1989.

WANTED

Cat- and house sitter for two adorable, affectionate cats (ask Lisa Clough) and one house, located 2 miles from MSRC; from late December until mid-February, while I am in the Antarctic. See Sarah Horrigan, Endeavour 161, x8688.

FOREIGN SCIENCE ATTACHES

* The Main Office has a list of foreign science attaches at embassies in Washington, DC

AGRICULTURAL RESEARCH SERVICE POSITIONS

* The Agricultural Research Service of the U.S. Department of Agriculture is advertising the following positions.

The Main Office has announcements for each:

Biological Aid (fisheries) (GS 4) and Biological Technician (GS 5); assist in maintenance of experimental freshwater aquaculture systems

Biological Technician (plants) (GS 9); location, identification, sampling of forest trees

Biological Technician (microbiology) (GS 7); recovery of polysaccharides (celluloses) from plant biomass

Biological Technician (insects) (GS 7); maintenance of specimen collections

Biological Technician (insects) (GS 7); maintenance of lab. quarantine, greenhouse, and field colonies of insects and weeds

Biological Technician (plants) (GS 5-7); assist in research on food-borne microorganisms that cause spoilage or disease

CONVERSATIONS IN THE DISCIPLINES 1990-91

* This program funds intercampus conferences which bring together SUNY faculty and visiting scholars to examine new trends, review promising findings, and become better acquainted with professional developments in their fields and on other campuses. The emphasis of the program is on scholarly development rather than administrative, curricular, or instructional matters. The deadline for receipt of all proposals by the Office of Research Services will be Jan. 15, 1990.

IGS SYMPOSIUM ON GAS, OIL, COAL AND ENVIRONMENTAL BIOTECHNOLOGY

* Co-funded by the Gas Research Institute presents a forum for the exchange of ideas between leading scientists, engineers, managers and administrators in this rapidly advancing area of biotechnology. Dec. 11-13, 1989 at The Royal Sonesta, New Orleans, LA USA. Early registration rate by Nov. 6, 1989.

ERF MEETING

There is a van going to the ERF Meeting in Baltimore on Sunday Oct. 8. Limited seating is still available. If interested, please see Heidi in DSC 109 or CHL 104 as soon as possible.

NMFS POSITIONS

* The National Marine Fishery Service of NOAA is advertising the following positions with the Northeast Fisheries Center at Woods Hole. The Main Office has position announcements for each:

Fisheries biologist; (GS 11 or 12) for stock assessment work

Electronics technician; (GS 11); prepare and calibrate instrumentation for field and lab. use

Supervisory program coordinator (GS 14); chief of research coordination section



West Indies Lab Needs Your Help (reprinted from OMNET)

Early reports from St. Croix on the impact of Hurricane Hugo are grim. St. Croix devastated by a direct hit from the eye of the storm in the early morning of Sept. Television and radio reports indicate near collapse of the island infrastructure and great property loss. A report from Dr. Elizabeth Gladfelter via ham radio said that thankfully none of the staff, students, or scientists were injured, but the Lab has suffered substantial damage. The problems of food and water, to say nothing of the damage to boats and equipment, make it unlikely that the undergraduate semester students or visiting scientists will remain. The Lab will enter a difficult period of repair and reconstruction which will try the patience of Fairleigh Dickinson University, already financially stressed.

You donation, in whatever amount you choose, will help in the repair of the Lab, but more importantly, you statement of support will provide evidence to the University of the importance of the work of the Lab in education and research and the high regard in which it is held.

All donations and letters of support addressed to Betsy Gladfelter may be sent to J.Ogden, former WIL Director, now at: Florida Institute of Oceanography, 830 First Street South, St. Petersburg FL 33701. I will record all these (unless you indicate otherwise) and send the money direct to WIL as soon as a reliable courier can be arranged. A copy of the record and the statements will be sent to the President of FDU. Of course,

donations may be sent directly to WIL, but a block of support from a network of friends may provide a more convincing statement.

On behalf of our friends and colleagues at WIL, Thank You.

Cruise Volunteers for 1989-1990 (reprinted from OMNET)

The Biological Sciences Department at the University of California, Santa Barbara, offers a course entitled "Fieldwork in Oceanography". Upper division undergraduates majoring in Aquatic Biology, who are encouraged to volunteer their services as research technicians on oceanographic cruises. The cruises are a opportunity fine prospective graduate students and marine technicians to gain hands-on training in the 'real' world of oceanography. Eligible volunteers completed the core curriculum in biological oceanography and classes teaching lab preliminaries of physical, chemical, optical biological measurements. The students are given 1 unit of credit for every 5 working days at sea and provide technical services to the research group while at sea at no cost other than transportation and living expenses. If 4 or more students are required for a prolonged cruise (i.e. >3 weeks), the scientist can chief additional support dollars (NSF Undergraduate Training Scholarships) to finance some of their precruise training and travel expenses. volunteers already have prior cruise experience. participants in the program over the last few years include program Alldredge, Case, Childress, Ross, Smith, Quentin and

Cruise Volunteers (continued)

myself,(UCSB); [Jed] Fuhrman (USC), Simpson and CalCOFI program (SIO), Glover Garside (Bigelow Labs). Cruises less than 2 weeks in duration are easiest to during the school year. During the summer months, longer cruises can be accomodated. RESEARCHERS: you will be part of oceanographic cruises in need of technical assistants during the next 12 months, please let me know (Telemail: B.Prezelin; Telephone: 805-961-2879) and I will coordinate the logistics of putting you in contact with the appropriate students.



"JOBS" SCAN TABLE FROM OMNET

| De: | live | ered | From | Subject | Lines |
|------|------|--------|-----------------------|----------------------------------|-------|
| Sep | 13 | 13:59 | O.HERTZMAN | Dalhousie At.Sci. more info | 3 |
| Sep | 18 | 10:50 | M.HOLMES | Research marine geologist / geop | 41 |
| Sep | 18 | 13:58 | P.FALKOWSKI | post-doc opening | 16 |
| Sep | 19 | 10:01 | P.DURKEE | Phys. Scientist Position | 51 |
| Sep | 19 | 13:52 | NDBC.CENTER | ASC: ENGINEER A | 29 |
| Sep | 20 | 14:25 | B.RALEIGH | Post-doctoral position available | 25 |
| Sep | 20 | 15:37 | DALHOUSIE.OCEAN | one-year Asst. Prof. position at | 35 |
| Sep | 21 | 13:02 | E.MOLINELLI | Phys. Ocean. Staff Scientist | 22 |
| Sep | 21 | 13:03 | E.MOLINELLI | Ocean Acoustician Staff Scientis | 24 |
| Sep | 22 | 16:39 | G.TAYLOR | GRAD ASS'T - MARINE SPECTROSC & | 22 |
| Sep | 23 | 14:43 | C.GALT | Molecular Biologists, CSU LB | 17 |
| Sep | 25 | 11:45 | M. DELANEY | ReminderUCSC light stable isot | 7 |
| Sep | 26 | 13:04 | A.MICHAELS | Dive Officer Pos. in Bermuda | 35 |
| Sep | 26 | 13:57 | J.LEESE | ASSOCIATE SCIENTIST POSITION AVA | 55 |
| Sep | 26 | 15:15 | ANTARCTIC.OPS | NSF/DPP SCI PROJ MGR. | 99 |
| Data | a : | ls rep | roduced here as recei | ved from TeleMail system. Origin | nator |

Data is reproduced here as received from TeleMail system. Originator of message is responsible for typos and vagueness of subject. Full message is printed out and posted on Endeavour Hall Employment bulletin board. If you cannot find the announcement there that interests you, give me the delivery information from the scan table and I will print

you another copy. Tom Wilson, Discovery 102, 2-8706.

The "Datacrime" Virus (Edited by Tom Wilson from original article by OMNET's Bob Heinmiller)

A computer virus is a tiny program, usually embedded secretly in another program, which replicates itself and is designed to cause some sort of mischief eventually.

The new virus, dubbed "Datacrime," is a tiny bit of computer code which starts out attached to the binary file of some program intended to run on a DOS computer (that is, a computer of the IBM PC family or one of the many "clones" available). The "carrier" program may be any kind of program - a word processor, spreadsheet, or what have you. (Note: only a *program* may carry a virus; a data file cannot contain a virus.)

When the virus carrier program is run, or invoked, by a user, the virus itself becomes active and begins looking for other programs to which it can attach copies of itself. It searches floppy disks and hard disks on the computer on which it is running and infects any file it finds which has a name which ends in ".COM" [I imagine .EXE files are also vulnerable - TCW]. files are those "COM" that are "executable" -- that is, they programs that can be run. Those infected programs become new carriers and can, in turn, infect others when they are run. If they have been copied to another computer on disks or a Local Area Network (LAN), the virus can be spread far afield.

The virus is programmed to check the computer's clock (the one that puts the date and time stamps on files). Datacrime is programmed to begin on Friday, October 13th and erase or mess up a critical part of any hard disk attached to the computer

on which it finds itself. Specifically, it will attack the section of the disk which contains the directories that enable the operating system to find files on the disk. Unless it can be restored, the disk is as good as erased, because you can't find anything on it. Nasty and troublesome, indeed!

It was originally thought that Datacrime was programmed to do its sneak attack on October 12th, a national holiday in the US. Hence, its other name of "The Columbus Day Virus." Like their biological counterparts, computer viruses can have several variant strains. Datacrime is known to have at least two versions going around.

So, now -- having gotten you all worked up about this virus -- let me say that, statistically, the chances of *your* computer being infected are quite small. As of early September, the virus had been found in only about 50 places in Europe and seven in the US. Nevertheless, if you are a heavy user of public domain software, or if you habitually trade programs with your friends, then you should consider the possibility. When my mother told me, "Better safe than sorry," she had another kind of virus in mind. But, it's just as true now as it was then.

Comment by Tom Wilson: The OASIS office on campus is distributing the shareware product "VIRUSCAN", that checks a floppy or hard disk for 19 different viruses. I got a copy and used it on all my IBM clones (This was a 5 minute process on a 30 MB hard disk. I found no viruses). If anyone else would like a copy of VIRUSCAN, please see me.



Vol. IV No. 22

October 9, 1989

CALENDER OF EVENTS October 9 - October 15, 1989

| Mon | 1700 | Checks for DWP's banquet due. MAIN OFFICE CLOSED FOR HOLIDAY Soundings entries due. |
|-----|------|---|
| Tue | 1100 | Special Seminar, Endeavour 113 "Turbulence and Currents, Sources of Nutrients on the Vancouver Island Continental Shelf', W.R. Crawford, Institute of Ocean Sciences, B.C., Canada. |
| Wed | 1145 | MSRC Weekly Seminar, Challenger 165, Dr. Jeannette Yen (MSRC) "Cheetahs and Rabbits in the Plankton: predator-prey interactions among copepods." |
| Thu | 1530 | Faculty Coffee, Dana Conference Room. |
| Fri | 1530 | Friday Discussion Group, Challenger 165, Bob Aller |

MERC FACULTY PROFILE

Josephine Aller

I was 13 when I decided to become a marine biologist. My father had taken my 2 sisters, mother, and me with him to Hawaii on business and while he worried about taxes, I wandered and wondered about the coral reefs of Haname Bay. My mother can attest to my continued interest in the marine realm, by displaying boxes of shells, coral fragments, and dried echinoderms, by recalling jars of worms or cores of mud temporarily stored in her refrigerator, or by remembering the bag of rotting urchins I insisted on taking home to San Francisco from Curacao by way of New York City and a week long visit with relatives, to bury in our garden for the ants to clean up.

of rotting urchins I insisted on taking home to San Francisco from Curacao by way of New York City and a week long visit with relatives, to bury in our garden for the ants to clean up.

I graduated from High School in Santiago, Chile while my Dad worked with the Chileans, this time, on their taxes, and began college at UC Santa Barbara. It was here in 'progressive' California that I faced the fact that equal opportunities for women had not been something to worry about before. I spent much of my year at UCSB petitioning to get into the University sponsored SCUBA diving course. In the end I got in, but by then had decided to transfer to UC Berkeley where I became the 101st certified diver. Berkeley and San Francisco in the late 60's (yes, that long ago) were exciting places complete with lots of 'free speech', tear gas raids, and police in riot gear carrying rifles patrolling the campus. During that time I spent a summer at the Bodega Marine Lab hoping to find peace in seclusion and marine ecology, but instead found students from the East and South who like Terry Cosper (later to marry Liz) wanted to experience Haight-Ashbury more than the mud flats.

After graduating, I moved south to graduate school at Univ. of So. Calif. and to study oil pollution and the marine environment. I ended up studying epibenthic holothurians and their interaction with bottom sediments. Scuba diving in So. California was warmer than up north, you could still see 50 to 100 ft., and there were colorful fish to add to the underwater vistas of rock reefs and kelp forests. Little did I realize that I would never again see underwater once I received my Fh.D. in December 1974 and moved to Yale University as a postdoctoral fellow in Geology and Geophysics to study animal-sediment relations with Don Rhoads.

It was at Yale that I met Robert, an ambitious graduate student who faced giving up one of the many rooms he had filled with aquaria and experiments so I could have an office. In preparation for collecting my first samples in Long Island Sound, I had to practice manipulating box cores blind-folded wearing neoprene gloves. My initiation into East Gaost muddy seabeds came in February at the FOAM site where Bob and BIII Ullman pushed me overboard into 2° water wearing a 1/4 inch wet suit with a sampling syringe. Somehow I survived, didn't retreat to California, and have been having 'great adventures' with Robert ever since.

I started having mini-lab helpers while at Yale when few research labs sported port-a-cribs. After a stint in Michigan as part of the great 'mid-west' contingent of oceanographers. I again found myself on the shores of Long Island Sound here at Stony Brook. I live with Robert and our brood of 4 kids in a Victorian house on Main Street. I love to cook, and in all my spare time knit, quilt, swim, play the piano, glaze windows. learn Portuguese, downhill ski, and count the years before I get 5 minutes in peace to watch the sun set over LIS with Robert.



There was an old woman who lived in a shoe,

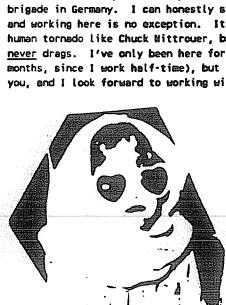
She had so many children she didn't know what to do;

Staff Profile: Michele McTernan Greenlees

Maying taken the time to read this, I'll bet you find yourself saying "Michele who?". I find myself saying that often. I decided when I was married (about 5 years ago) that a hyphenated name was much too serious to fit me. But when one comes from a family as prestigious as mine it's impossible to give up one's last name. After all, my great-grandfather Valentine was a samitation worker for the City of New York at the turn of the century, and my great-munt Sallie was a rum runner during prohibition. It's hard to cull roots like those. I just wish there was a way to acknowledge the other side of my family in my name without getting ridiculous. My mom is a Catalan with wonderfully colorful ancestry. Her father ran with the bulls at Pamplona, and immigrated to the U.S. by joining the American Army in Cuba. Her mother could only join him here by carrying my mother as an infant across the Atlantic aboard the Leviathan and through Ellis Island, alone. Mana had to learn english by reading signs in stores and listening to the radio. Eventually she spoke five languages fluently, but she had never gone past elementary school.

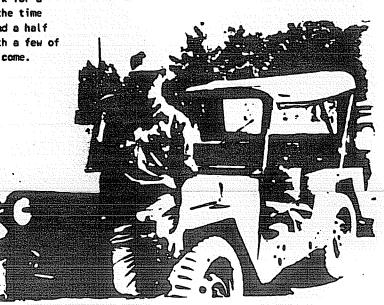
As you can see, family is the most important thing to me. My own little family is my joy and pride, in that order. I am married to the only man in the world who could ever have put up with me, and he's wonderful. He even changes diapers without being asked. Peter is a student across the street in the Health Science Center. He was in the Army for a few years, and we were fortunate enough to have been stationed in Hanau, West Germany, and Colorado. That made up for Army life, to a certain extent. When our children started coming we knew it was time to leave the Army. (I think it was something they put in the water.) Felisa was born twelve weeks early, and little Pete (Gee-Gee) was born three weeks late. They get that lack of punctuality from their mother. We make a nice little family, I guess.

I have an A.A.S. degree in Marine Technology, and just completed my B.S. in biology this summer. (It only took twelve years.) One year I worked on the Eastern Shore under a subcontract from MOAA where we interviewed recreational finfisherman and identified, weighed and measured their catch. I worked for about a year and a half at Cold Spring Harbor Labs as a technician, studying papilloma viruses. I will probably forget alot about what I did at Cold Spring, but I won't forget talking to Barbara McClintock about the skunk cabbage. That's something I'll be able to share with my grandchildren, as long as they go into biology. Otherwise they'll say "Grandma's babbling again". Other jobs included working as a Medical Technician in the microbiology laboratory of University Hospital, and working as a word-processor operator for the commander of my husband's brigade in Germany. I can honestly say I have enjoyed every job I've held, and working here is no exception. It's rather new to me to work for a human tornado like Chuck Nittrouer, but it's never boring and the time never drags. I've only been here for seven months (or three and a half months, since I work half-time), but I've become acquainted with a few of you, and I look forward to working with you for a long time to come.









Father And Son, Or The Old Man And The Sea / Gidon Eshel

Last week I had my father over for a visit. I showed him around the department. He was, obviously, very impressed, especially by the "Portrait Of A Lobster" across from Jim Rine's office, and also by Akira. Getting into my office he asked, very philosophically, "What is the sea, anyway?", and after a while, " Do you think Akira would know? " . I was sure Akira would know, so I ran, very urgently, to his office. It was locked. One of those rare events.

On my way back down the hall, I thought maybe I should make my own try. "It's merely a huge set of boundary conditions for the Navier-Stokes equations" I said, very proudly, "and the continuity equation is there to help when it's getting real tough".

"Oh really?", he asked, "and what are these Navier-Stokes equations?". I showed him.

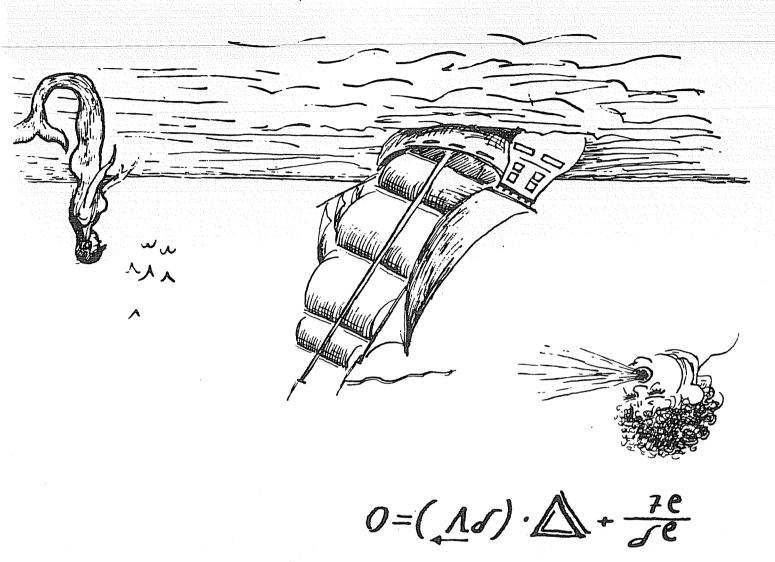
"Hmm" he respond, very dryly, "I'm sailing upon the high seas for over 45 years, and never saw a single boundary condition".

My father is, as you can probably already tell, a Great Britain educated seaman, who has captained merchant marine ships ever since the Pleistocene.

"Well, I guess you are right" I agreed. "Or maybe you didn't look for them in the right places?" I added, after a second thought.

He liked the equations, that was evident. The continuity argument, however, was less favorable. The Del sign seemed arrogant, almost chauvinistic. He started drawing the symbols of the momentum balance in the 3D format and underlined the last one (to avoid mixing vector and scalar expressions). Then he added the (vector) continuity equation, clearly unwillingly. Eventually, he expressed some of his own ideas about the sea, based on lifetime experience. Then he was satisfied. So here is the whole thing, for everybody's daily use.

199 N



$$\frac{ze}{e} \mathcal{U}^{2} \mathcal{E}^{2} \mathcal{U}^{2} + \frac{ze}{d} \mathcal{U}^{2} - \frac{ze}{me} \mathcal{U}^{2} + \frac{he}{me} \mathcal{U}^{2} + \frac{ze}{me} \mathcal{$$

$$\frac{ze}{ze} \mathcal{U}_{+} \mathcal{E}_{+} \mathcal{L}_{+} + \frac{fe}{de} \mathcal{L}_{-} = \frac{ze}{ne} \mathcal{U}_{+} + \frac{fe}{ne} \mathcal{L}_{+} + \frac{xe}{ne} \mathcal{U}_{+} + \frac{fe}{ne} \mathcal{L}_{-}$$

$$\frac{2\pi}{n} \left(\frac{1}{n} + \frac{x}{n} \right) + \frac{x}{n} \frac{e}{n} = \frac{x}{n} \frac{e}{n} + \frac{x}{n} \frac{e}{n} \frac{e}{n} + \frac{x}{n} \frac{e}{n} \frac{e}{n} + \frac{x}{n} \frac{e}{n} \frac{e}{n}$$

RESEARCH DEVELOPMENT PROGRAM TRAVEL GRANTS

Applications for travel grants are now being accepted. These grants are made to non-tenured, tenure-track faculty to assist in their participation in national or international scholarly meetings. Deadlines for receipt of applications are November 15 and March 15 annually. Questions and requests for application materials may be directed to Mr. Peter Saal, ext. 2-6960

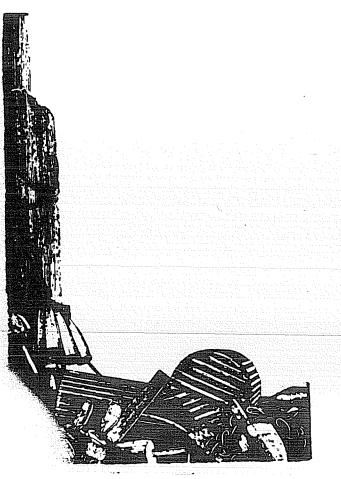
THE OCEANOGRAPHY SOCIETY

This is a new scientific society which includes all fields of Oceanography. If anybody is interested in joining, please see Cindy Lee for enrollment forms. She also has copies of Oceanography Magazine which is currently published by TOS twice each year. Membership is \$40/year with a special rate for students of \$10/year. The recent inaugural meeting in Monterey, California, was a big success (see Kirk Cochran or Malcolm Bowman for details). The next meeting is planned for April, 1991, possibly in Annapolis, Maryland.



The MSRC, through its COAST Institute and through the generosity of Mr. Nicola Biase, has established a Long Island International Forum On The Environment (LIIFE). Each fall, scientists from around the world will gather in Montauk for a one-week, intensive session to examine a major environmental issue - one that is global in extent and which is expressed with particular clarity in this region. The hope is that the output of LIIFE wil be the input to the session of the COAST Institute the following summer. Because of the lateness in securing the approval from Mr. Biase, this fall session will be abbreviated to three days and it will be national, rather than international, in scope. The topic that is going to be explored in November at Montauk is "When Is It Appropriate To Upgrade The Level Of Treatment At Sewage-Treatment Plants Discharging Into Coastal Waters?" The objective is to develop a set of criteria that can be used as a template in making this determination. Among the people who will participate in the November retreat are:

Willard Bascom (retire from SCCWRP) Norman Brooks (Cal Tech) Edward Carpenter (MSRC) William Garber (retired from City of Los Angeles) Donald Harleman (MIT) Cindy Lee (MSRC) Tom Malone (University of Maryland) George McCann (Metcalf & Eddy Technologies) Alan Mearns (NOAH) Doreen Monteleone (MSRC) François Morel (MIT) Tom Morris (Newsday) Joel O'Conner (EPA) Donald Pritchard (MSRC) J. R. Schubel (MSRC) Larry Swanson (MSRC) J. Taft (Harvard)



NATIONAL SCIENCE POUNDATION Office of the Director Washington, D.C. 20550

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IMPORTANT NOTICE

TO

PRESIDENTS OF COLLEGES AND UNIVERSITIES AND BEADS OF OTHER NATIONAL SCIENCE FOUNDATION GRANTEE ORGANIZATIONS

SUBJECT: CHANGES IN MSF PROPOSAL FORMAT

The National Science Foundation is announcing two important changes in proposal format to underscore:

- o the importance of education and human resources within research supported by the NSF; and
- the importance of quality of publications in the merit review process.

Importance of Education and Euman Resources

One established criterion in NSF's merit review of proposals is the effect of the proposed research on the infrastructure of science and engineering. Reviewers are asked to consider the potential of the proposal to improve the quality, institutional distribution, or effectiveness of the Nation's scientific and engineering research, education, and work force. The NSF is particularly concerned about the development of scientists and engineers for the future. To make this more explicit, Principal Investigators will now be asked to specify the relationship of the project to the education and development of human resources.

Importance of Quality of Publications in the Merit Review Process

Evaluation of scientific productivity must emphasize quality of published work rather than quantity. To ensure this emphasis, NSF will now limit the number of publications considered in reviewing a grant application.

Reflecting these emphases, the following changes will be effective for proposals submitted on or after October 1, 1989.

Proposal Format Changes

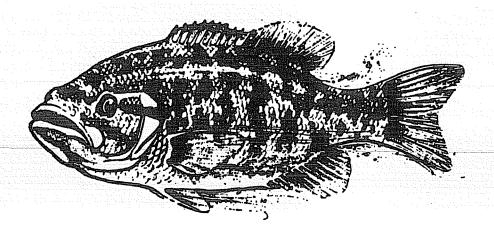
1) Education and Human Resources: A statement must be included specifying the potential of the proposed research to contribute to the education and the development of human resources in science and engineering at the postdoctoral, graduate, and undergraduate levels. This statement may include, but is not limited to, the role of the research in student training, course preparation, and seminars,

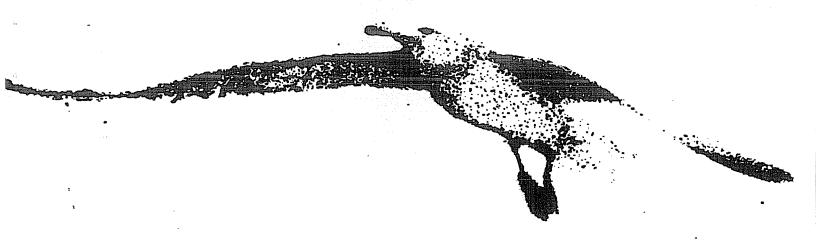
particularly for undergraduates. Special effectiveness or achievement in the area of producing professional scientists and engineers from groups presently underrepresented should be described.

- 2) Biographical Sketches, in addition to data on educational background and career, must now include the following information:
 - a list of up to five publications most relevant to the research proposed and up to five other significant research publications. Patents, copyrights, or software systems developed may be substituted for publications. These publications may overlap the continuing requirement for a list of all publications resulting from and citing prior NSF support. A complete list of publications for the past five years is no longer required. Only the list of ten will be used in merit review.
 - o a list of the names of graduate students with whom the PI has had an association as thesis advisor and postdoctoral scholars sponsored by the P.I. over the past five years, with a summary of the total numbers of graduate students advised and postdoctoral scholars sponsored.
 - to avoid potential conflicts of interest in merit review, a list of scientists with whom the investigator has had a long-term association and/or with whom he/she has collaborated on a project or a book, article, report or paper within the last 48 months; and the investigator's own graduate and postdoctoral advisors.

These changes will be incorporated into the next revision of Grants for Research and Education in Science and Engineering (GRESE).

Erich Bloch Director





BIOLOGICAL OCEANOGRAPHER

* A position is open in the Department of Marine Sciences, University of Connecticut. Assistant Professor level; Ph.D. in oceanography/marine science with expertise in coastal, process-oriented water column research.

POSTDOCTORAL RESEARCH ASSOCIATE

* A position is available at the Hatfield Marine Science Center, Oregon State University. Research on the roles of environmental factors in the distribution and behavior of larval and juvenile fish.

VERTEBRATE ANIMAL POLICY

University policy holds that no vertebrate animal can be used for any university activity unless the appropriate Institutional Animal Care and Use Committee (IACUC) form has been approved by the IACUC. Any faculty or student whose research involves use of vertebrate animals should contact the Division of Laboratory Animal Resources (4-2194) or IACUC (2-8643) for details.

NSF GRADUATE FELLOWSHIPS

* These are three-year awards made for study and research in the natural sciences and engineering leading to master's or doctoral degrees. Application deadline for 1990 Fellowships is 09 November 1989. Special Fellowships are offered for minority applicants.

TO HIRE

Hartmut Peters is looking to hire someone to help him pick up some of his personal belongings at will arrive approximately October 10-14 at the of N.Y. If interested please see Hartmut in avour 203.

FUNDING AVAILABLE

- The National Cancer Institute and the National Institute of Environmental Health Sciences are receiving applications to fund basic research on the etiology of cancer in finfish and shellfish. Next application deadline is 01 February 1990.
- * The NSF-NATO Postdoctoral Fellowships in Science & Engineering program provides funding to support study and research at not-for-profit institutions in NATO member countries other than the U.S. Current stipend is \$2K/month. Application deadline is 04 November 1989.

BOARD APPOINTMENT

Jerry Schubel was appointed to a three-year term on the National Research Council's Marine Board and to a three-year term of the National Research Council's Marine Board Special Committee on Coastal Oceans. He is the Chairman of the Marine Board's Committee on Waste Disposal In The Coastal Ocean.

FACULTY RESEARCH DEVELOPMENT PROGRAM

The Office of Research Services is now soliciting applications for Research Development Grants (RDG) and Creative/Performing Artists (C/PA) Grants. The purpose of these grants is to assist faculty in the early stages of their careers; only non-tenured, tenure-track faculty are eligible to apply. Collaborative projects, however, between junior and senior faculty on projects of mutual interest, may also be submitted. The regular deadline is November 1. Questions and requests for application materials may be directed to Mr. Peter Saal at ext. 2-6960.

"JOBS" SCAN TABLE FROM OMNET

Delivered From Subject Lines Sep 28 19:07 J.CORNELIUS SPECIAL SENSOR MICROWAVE/IMAGER 102 Remote sensing. US Naval Fleet Numerical Oceanography Center, Monterey CA. \$35-45K.

Sep 28 22:02 J.OGDEN Field manager for research progr 20 Technical position. Assist with field operations and operation of environmental monitoring stations. Florida Inst. of Oceanography, Florida Keys. \$25K.

Sep 29 13:39 UBC.OCGY TENURE TRACK POSITION AT UBC 21
Ocean dynamics junior tenure track faculty position. University
of British Columbia, Vancouver.

Oct 2 8:14 E.TIDMARSH JGOFS Executive Scientist 38
Executive Scientist for Joint Global Ocean Flux Survey. At
Institut fur Meereskunde, Kiel University, Federal Republic of
Germany.

Oct 2 10:41 RUTGERS.BIVALVE Position 32
Manager of Shellfish Research Facility, Port Norris NJ. \$29-40K
(PhD not required).

NEW FORMAT: The first line of each listing is data as received from TeleMail system. Following that is as much of a capsule description as I have time to put together this week. The full job posting is printed out and posted on Endeavour Hall Employment bulletin board. If you cannot find the announcement there that interests you, give me the delivery information from the scan table and I will print you another copy. Tom Wilson, Discovery 102, 2-8706.

SATURDAY, OCTOBER 14

Faculty/staff vs. student softball game. See Chuck Nittrouer or Heidi for details. Come join in the battle!

SEFA/UNITED WAY ANNUAL APPEAL

The University is once again providing all employees an opportunity to share some of our prosperity with those less fortunate by participating in the State Employees Federated Appeal (SEFA) and United Way campaign. All employees will receive a pledge card in their mailboxes on October 10. I hope you will join me in contributing to this worthwhile program. There are a number of agencies you may choose from as the designee of your contribution, or you may give to the general fund. Deductions may be as little as \$.50 per pay period or may be a lump sum. Last year MSRC employees contributed more than any other single department -- over \$3000 in total. I've set a goal of \$3500 for this year. I'll keep you posted on how we are doing.

- Jeri Schoof

MSRC CAPS ARE IN!

A new supply of MSRC caps is in stock. We have light blue, black, red and white. Price is still \$2.00 each.

TIME SHEETS

These are due by October 15 for researchsupported faculty and graduate students and both research and state-supported staff. State faculty should sign the roster in the Main Office.

DON PRITCHARD DINNER

Checks for Don Pritchard's retirement dinner (\$32.50 per person) are due Monday, October 9.

PART-TIME POSITION

Lucien Howard, a student from Dillard University, is interested in a part-time position at MSRC. If anyone has anything, please let Jeri know.



Vol. X, No. 23

October 16, 1989

Schedule of Events October 16- October 22, 1989

| MON | 1700 | Soundings entries due |
|-----|-------------|---|
| TUE | 1200 | MSRC Special Seminar (jointly with Physical Oceanography Journal Club) Challenger 163, "How turbulence affects chemosensory perception in organisms", Dr. Brian Sanderson, Memorial University of Newfoundland. |
| WED | 1145 | Wednesday Seminar, Challenger 165 "Biological gradients on a seamount penetrating the oxygen minimum zone i the Eastern Tropical Pacific", Dr. Karen Wishner, University of Rhode Island. |
| THU | 1200 | MSRC Special Seminar, Challenger 165 "Aerobic methane oxidation as a determinant of methane emissions", Dr. Gary M. King, University of Maine/University of Aarhus. |
| | 1530 | Faculty Coffee, Dana Conference Room |
| FRI | 1530 | Friday Discussion Group, Challenger 163 "Impressions Gained From A Visit To Contemporary Russia (Moscow and Leningrad), September 1989", Malcolm Bowman. |

Park, Jang-Geun

Anyounghaseyo! (=Hello!)

I am from Seoul, Korea in which, as most of you know, the 24th summer olympic games was held last year. I studied geology in Yonsei University, which is the oldest university in Korea, and came to Marine Sciences Research Center to study marine

geology in 1986.

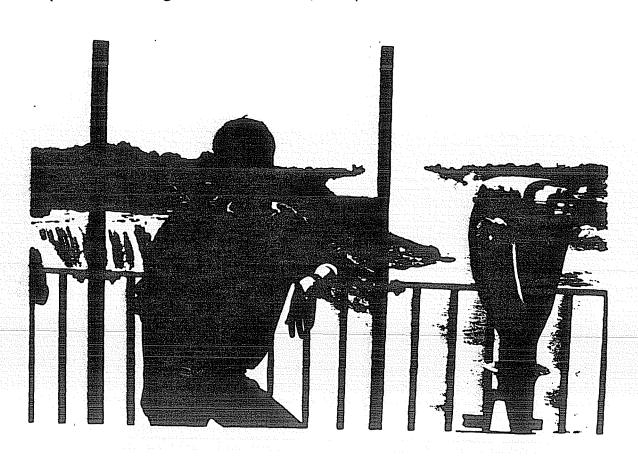
I knew nothing about marine sciences until I prepared my undergraduate thesis about sedimentary petrology. The sedimentary structures which I found during my several field trips to the major coal and limestone mining areaa in Korea, stimulated my curiosity to know their origin. Then I decided to study further in America in the field of sedimentology concerning modern sedimentary environments and processes which is now causing sediments movements and such sedimentary structures for the future (maybe million years later?) rock record, and found out M.S.R.C. in Long Island. M.S.R.C. was more attractive than any other university that I got an admission from, because it is close to New York City, Manhattan! Here I met my previous advisor, Dr. Gary Zarillo, who is now in F.I.T in Florida, and finished my master degree last August (just one and a half month ago!). At present I am pursuing Ph.D. with Dr. Roger Flood.

I like to pass my spare time in traveling with my camera. Since I came to America I have visited a lot of places, for example, California, Boston, Chicago, Detroit, etc.. Especially, the scenery of Yosemite National Park and the cliffs of west coast of U.S. was too beautiful and impressive for me to forget. Moreover I will never forget the most wonderful and pleasant time in California with my lovely girl friend during the last summer vacation and am eagerly looking forward to see her in the winter recess. (Unfortunately, California is too far for me to visit frequently.)

By the way, if you Know any good place to travel whether it is in America or

not, please let me know it. Thank you!

(Picture at Niagara fall in summer, 1988)



THANK YOU!

To everyone that helped make the Flax Pond clean-up a great success!

-George Rowland

REDUCING JUNK MAIL

If you write to the Direct Marketing Association, 6 East 43rd St., New York, N.Y. 10017 and ask to be eliminated from mailing lists, their Mail Preference Service will stop your name from being sold by most large mailing list companies. This will reduce new pieces of junk mail going to your address by up to 75% but will not affect mail you receive from companies that already have your address.

NATIONAL BOYCOTT NEWSLETTER

This informative publication for socially concerned consumers provides timely reports on boycotts called by organizations concerned with human rights, peace, labor, the environment, and animal rights. For a sample copy send \$2.50 to: National Boycott News, 6506 28th Ave. NE, Seattle, WA 98115.

SEFA/UNITED WAY

By now all employees should have received a SEFA or UNITED WAY pledge card in their mailboxes. If you did not receive one, let me know, and I'll get one for you. If you have received one and didn't send it in yet, please take a moment to do so now and be as generous as your means will allow. Surely on the list of agencies provided with the pledge cards, there is at least one which addresses concerns you feel strongly about. I, for one, have always treasured my eyesight and have a great deal of empathy for those who are blind. I therefore designate agencies who assist the visually impaired as the recipients of my contributions. Why don't you take a minute to select one or more agnecies which will help those people you think are most deserving of assistance. You'll feel better for it!

-Jeri Schoof

LOST AND FOUND

A silver hoop earring was found in the Endeavour Hall ladies room. If it is yours, bring the mate to Jeri to claim it.

POSITION IN CLASTIC SEDIMENTOLOGY

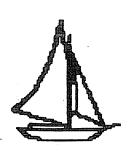
The Geology Department at Miami University is announcing the opening of the tenure-track position of Assistant Professor, to begin in August 1990. The successful candidate is expected to teach undergraduate and graduate courses and to maintain an active research program that is supported by external funding. Applications are invited from clastic seimentologist, especially those with interests in modern clastic systems and their relation to tectonics and climate. Preference will be given to applicants who have demonstrated an ability to apply diverse techniques such as field, petrographic, SEM, and isotope geochemistry and to use innovative approaches in the resolution of geological problems. Application deadline is December 31, 1989 and the person to contact is Maryellen Cameron, Chair, Department of Geology, Miami University, Oxford, Ohio 45056, (513) 529-3216.

FELLOWSHIPS FOR MINORITIES

The National Research Council plans to award Ford Foundation Predoctoral (\$11,000) and Dissertation (\$18,000) Fellowships for Minorities and also separate Postdoctoral (\$25,000) Fellowships for Minorites. Applicants must be United States citizens or nationals who are members of one of the following ethnic minority groups: Native American Indian, Alaskan Native (Eskimo or Aleut), Black American, Mexican American/Chicano, Native Pacific Islander (Polynesian or Micronesian), or Puerto Rican. Awards will be made in the behavioral and social sciences, humanities, engineering, mathematics, physical sciences and biological sciences, or for interdisciplinary programs comprised of two or more eligible disciplines (but not including ineligible disciplines). Application deadlines are November 9, 1989 and January 12, 1990. Application materials are available from: The Fellowship Office, National Research Council, 2101 Constitution Ave., Washington, D.C. 20418



MSRC Soundings



Vol. X, No. 24

October 23, 1989

Schedule of Events October 23 - 29, 1989

Mon 1700 Soundings entries due.

Tue

- Wed 1145 MSRC Weekly Seminar, Challenger 165, Dr. Eileen Hofmann, Old Dominion University, "Circulation and temperature effects on the development and distribution of the eggs and larvae of the Antarctic krill, <u>Euphausia superba</u>: a modeling study.
- Thu 1100-1200 Extra -seminar by Dr. Eileen Hofmann, Challenger 163, "
 "Practical application of modeling in research:
 interdisciplinary approach." All invited.
 - 1200-1300 Physical Oceanography Journal Club, Endeavor 158,
 Dr. Young Jae Ro, University of Rhode Island, "Eddy field with
 characteristic scales from km to 1,000 km in the
 northwestern Atlantic by GEOSTAT altimeter." All welcome.
 - 1530 Faculty coffee, Dana Conference Room.
 - 1900 Don Pritchard's retirement banquet.
- Fri 1530 Friday Discussion Group, Challenger 163. Coastal Lagoons of Baja California or The Two-Layer Circulation without River Input", Jose Gomez.

MSRC Student Profile: Dake Chen

When I was asked to write something about myself, I looked back to my past and performed a fourier analysis on it. To my surprise, the most energetic wave turns out to have a period of 5 years, which means, I have undergone a "flood" and an "ebb" in every five years of my past life! for instance, I was forced to leave home and toil in the countryside when I was 17 (during the notorious "Cultural Revolution" of China), but the revolution ended 2.5 years later. Consequently, I went back home and became a college student.

I majored in physics during my undergraduate years, but the ocean attracted me for unknown reasons. (I guess I just got tired of rivers, along which I spent most of my childhood, and wanted a bigger water to swim in). Actually, I had never seen a real ocean before I entered the 2nd Institute of Oceanography for my graduate study. I spent 3 years there learning the basics of physical oceanography and playing Hawaiian Guitar in a small band of the institute. In the meantime I was in the teams of basketball and pingpong. The most memorable thing of that period, however, is the feeling of sea-sickness when I went into the middle of the ocean via a small research boat.

four years ago I came here to further my fantasy in oceanography. I was lucky to find Dong-Ping as my adviser, whose intelligence and perspective has been a constant source of stimulation for me. As a result of these four hard years, I am now completing my Ph.D. dissertation, and I just won a UCAR postdoctoral fellowship in ocean modeling for the next two years. The worst difficulty during this period is that I had to give up many of my hobbies to make time for study and research. I hope I can pick them up in the near future. Wherever I go, I will miss this place.



UPDATE ON WEST INDIES LAB (reprinted from OMNET)

Dr. Elizabeth Gladfelter. Director of WIL has been in the for the past week. us Laboratory roofs have damaged and there is damage everywhere. The new NSF and privately sponsored lab has been destroyed. The Lab covered by insurance, but rebuilding will be long difficult. WIL has cancelled its schedule for the rest of the academic year. The semester has been moved to NJ where the lecture portion will be completed with the field work next summer.

Dr. Gladfelter has endorsed the block of support from community proposed in the last Endorsements bulletin. important and will be collated presentation to for administration Fairleigh Dickinson University. Donations will be sent directly to WIL. Contact: J. FIO, 830 First Street South, Petersburg FL 33701 with endorsements and donations.

On behalf of colleagues and friends at WIL many thanks to those who have responded so far.

POSITION AVAILABLE

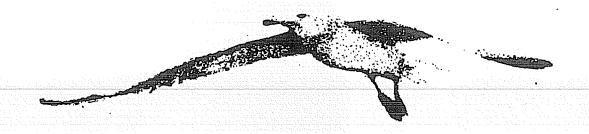
* The Institute of Naval
Oceanography is currently seeking
Associate Scientists to provide support
in research effort on the development
on ocean prediction systems for basin
prediction of ocean structure and its
acoustic implications. Application
deadline is December 1, 1989.

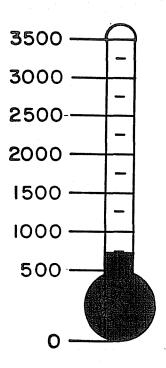
GRADUATE FELLOWSHIP PROGRAM FOR MINORITIES AND WOMEN IN THE PHYSICAL SCIENCES

* The National Physical Science Consortium seeks NPSC Fellows for study or research required for a doctoral degree in the following disciplines: Astronomy, Chemistry, Computer Science, Geology, Materials Science, Mathematics and Physics. Deadline is December 1, 1989.

CONSERVATION TECHNICIANS WANTED

* The Vanderbilt Museum in Centerport, New York is looking for several graduate level marine science students to staff a conservation project involving ichthyological specimens collected by William K. Vanderbilt II during world cruises in the 1920's and 1930's. Starting date November 1, 1989, project duration 4-6 months.





SEFA/UNITED WAY UPDATE

So far we've only collected \$714.00. That is considerably less than last year. Have you misplaced your pledge card? If so, see Jeri, if not, please send it in today. Thank you.

FACULTY MEETING

The next faculty meeting will be held on Monday, November 27 at 0900 in Challenger 165. Agenda items should be given to Jeri by Tues., November 21.

RESEARCH OPPORTUNITY FOR MSRC GRADUATE STUDENTS (M.S. OR Ph.D.)

Research fellowship expected to become available starting January 1990 to investigate predator-prey interactions and recruitment of bay scallops in eelgrass habitat. Project duration: up to 3 years. Shallow-=water diving (<12 ft.) is required (i.e. either current certification, or an interest in becoming certified by May 1990). For more information contact: Monica Bricelj, Dana 105, 2-8663.

Telegrams: LABORATORY PLYMOUTH

Tolophone: National (0752) 222772 International + 44 752 222772 THE LABORATORY CITADEL HILL PLYMOUTH PL1 2PB

MW

17 October 1989

Dr Nick Fisher Marine Sciences Research Centre State University of New York Endeavor Hall SUNY Stony Brook NY 11794-5000 USA

Dear Nick

With great regret I am afraid that I will have to cancel my visit to SUNY. I have just been to see my doctor and he has told me to ease up on my work schedule and reduce my travelling now or face serious consequences.

I have been working at an intense pace over the past eighteen months, taking on numerous commitments which I have been able to fulfil by putting in long hours and eating into my weekends. This month for example I have been involved as a teacher in an intensive five-day postgraduate course in Switzerland and I have organised and chaired a four-day meeting of SCOR Working Group 80 on estuaries. Before the end of the month I am scheduled to organise and/or chair four meetings on the future of the MBA and a three day meeting on the present and future of the UK Ocean Flux Programme. this is in addition to my normal duties as Director MBA and Deputy Director PML and to the work required to complete outstanding reports and papers.

Normally, I would complete the preparation for my lectures for my visit to New York in my 'spare' time but I have now reached the point where my energy reserves are just about spent and I am on the verge of seriously damaging my health. I am therefore reassessing my work-load and pulling back from many of my commitments.

I am truly sorry to let you down at such short notice. I have really put off my medical check-up to the last minute in the hope that I would be able to work the hours necessary to fulfil my obligations. I have been looking forward to my visit and I am disappointed to discover that my constitution is, for the time being at least, unable to sustain the level of work that I have come to expect of myself.

Please convey my apologies to those at SUNY who have been helping to organise my visit. I will deal with the cancellation of my air-line ticket myself but please let me know if there is anything else that I can do to reduce the inconvenience caused by this last minute change.

I hope that you will understand my position and that you will forgive this rather abrupt way of informing you of my problems.

With best wishes.

Yours sincerely Michael Wrothe

Michael Whitfield A company limited by guarantee Registered in England number 21401 --- --- -- --- NATURA: ENVIRONMENT RESEARCH COUNCIL

WHAT'S NEW 13 Oct. 1989 Washington, DC

- RAMSEY, DEHMELT AND PAUL THE 1989 NOBEL PRIZE SHARE IN PHYSICS for contributions to atomic precision spectroscopy. Half of the prize went to Norman Ramsey of Harvard for the separated fields method and its use in the hydrogen maser other and atomic clocks. of Paul, Wolfgang University of Bonn, and Hans Dehmelt, of the University of Washington, jointly received half other for development of the ion trap technique. Dehmelt, who has at the University been Washington since 1955, was awarded the Davisson-Germer Prize by The American Physical Society in 1970. Ramsey, who has been at Harvard since 1947, served as President of The American Physical Society in 1979 and as Chairman of the Board of the American Institute of Physics 1980-86. Dehmelt has been continuously supported by NSF since 1959 and Ramsey for a year longer (WN 22 Sept Ramsey terminated 89). his grant in '82.
- "THE FEDERAL HIGH PERFORMANCE COMPUTING PROGRAM," to Congress presented Bromley, month bу Allan Director of OSTP (WN 8 Sept 89), was the subject of various hearings in the House last The week. \$2B plan is strikingly similar to a plan proposed by Sen. Albert Gore calls (D-TN)and for supercomputer research and development as well as a highspeed data network l
 government, industry linking and university research centers. It is clearly a response to the Japanese challenge. Rep. Markey (D-MA) opened hearings on "The Network of the Future" by noting that Nippon Telephone and Telegraph Company

- embarked on a massive \$240B investment in integrated network services meant to reach every business in Japan in the early '90s. As if that weren't worry enough, Bromley warned of a projected severe shortage of computer scientists in the '90s, engineers hearings on "High Performance Computing." Computer science has experienced a dramatic drop in freshman enrollment, falling 2/3 in four years.
- THE NAS COMMITTEE ON THE OF CONDUCT SCIENCE released a stunning booklet, Being а Scientist," primarily for students who are to do scientific beginning The committee was research. chaired by biologist Francisco Ayala, ₩ho produced NAS booklet wonderful on Creationism five years The new booklet is particularly relevant in light of the claims "cold fusion." The helium assay of the Utah cathodes has never been released.
- 4. THE ELECTROCHEMICAL SOCIETY REVISITS "COLD FUSION" NEXT WEEK at its meeting Hollywood, FL. This time, society did not restrict papers "confirmations" of fusion (WN 5 May 89); the scheduled papers are almost all negative. Fleischmann and Pons were invited but said "no" when the society declined to pay their regular speaking Meanwhile, reports of aliens landing in the Soviet Union were scoffed at by flying saucer experts in Britain and United States. pointed out that the aliens were described as twelve feet tall with small heads, whereas it is well known that they are only four feet tall with large heads.

Robert L. Park (202) 232-0189 The American Physical Society

OMNET JOBS

- Oct 3 8:43 DALHOUSIE.OCEAN FISHERIES OCEANOGRAPHY POSITION
 2 year renewable research associate position, PhD's only.
 Dalhousie Univ., Halifax, Nova Scotia. Position "directed primarily to citizens and permanent residents of Canada". Salary to \$39K.
- Oct 3 13:10 MAINE.CMS Ira C. Darling Center Director S Search (reopened) for Director of the Darling Marine Center, Orono Maine.
- Oct 9 10:29 K.BURNS

 BBSR: Organic Chem Res. Assist.

 Bermuda Biological Station, Marine Organic Chemistry Research

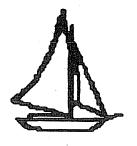
 Assistant. BS or MS with 2+ years experience in GC, HPLC, GC/MS,

 and PC's. Some field work. Current project involves monitoring
 long term effects of an oil spill. Position funding assured for 2

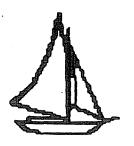
 years, \$24K TAX FREE. Position must be filled immediately.
- Oct 9 10:47 J.BANE PROFESSORSHIP AT UNC
 Full professor in large- to global-scale numerical modeling,
 University of North Carolina at Chapel Hill.
- Oct 9 12:00 OMNET.SERVICE UAF Physical Oceanography
 Tenure-track position in physical oceanography, University of
 Alaska, Fairbanks. Expected to be filled at assistant professor
 level, higher level possible.
- Oct 10 13:30 T.MURRAY MOAA Job
 International activities staff needs Chinese-speaking physical or biological oceanographer to coordinate NOAA research with Peoples Republic of China, Japan, and other nations. GS-7, 9, or 11.
- Oct 11 14:49 Y.HSUEH
 Assistant Professor Oceanography
 Florida State University, Tallahassee. Tenure-track, beginning
 Fall 1990. Biology or chemistry, interested in "strengthening
 links between chemical and biological oceanographers on our
 faculty". Apply by Dec. 31, 1989.
- Oct 16 12:16 NICOS

 Two tenure-track positions at Memorial University of Newfoundland, St. John's. No particular discipline sought. Preference given to citizens and permanent residents of Canada. Start dates Feb. and June 1990, application deadline Nov 1, 1989.
- Oct 16 15:35 P.PENHALE Position Avail. ASLO Exec. Secr. Executive Secretary for American Society of Limnology and Oceanography. Part-time position serving as editor for quarterly bulletin and logistics and program coordinator for scientific meetings and symposia. Academic background in the aquatic sciences and management experience desirable. There is no residency requirement for this position (i.e. do it from where you are already). No deadline, but position will be filled in early 1990.

First line of each item above is the "scan table" data from the OMNET/TeleMail system. Any following line(s) are a capsule description written after I skim the full job announcement. The full message is printed out and posted on Endeavour Hall Employment bulletin board. If you cannot find the announcement there that interests you, give me the delivery information (from the scan table line) and I will print you another copy. Tom Wilson, Discovery 102, 2-8706.



MSRC Soundings



Vol. IV No. 25

October 30, 1989

SCHEDULE OF EVENTS
October 30 - November 5

Mon 1700 Soundings Entries Due.

Tue

Wed 1145 Wednesday Seminar (MAR 580), Challenger 165. Dr. Charles Flagg, Brookhaven National Laboratory, "Acoustic - doppler current profiles and zooplankton measurements."

Thu 1530 Faculty Coffee, Dana Conference Room.

Fri 1530 Friday Discussion Group, Challenger 163, "What did they do during their summer vacation?" Allen Milligan, Ian Stupakoff and Alejandro Cabello-Pasini.

Profile - Jay Tanski

Having come to Stony Brook in 1978, I feel like an old timer (but not as old as Bill Wise). This is especially true when talking to students and newer faculty - What? You don't remember Harold O'Conner's biological exams (six hours of analyzing raw data on copepod feeding (sheer torture for a geologist)), oral comps, or the "Enraged Spider" on the volley ball court?

As with many at MSRC, my career path was more random than planned and was largely shaped by trying to combine varied interests, mainly beaches and geology. The former resulted from high school vacations spent hitchhiking from PA to the Maryland coast, where, lacking substantial financial resources, my friends and I would essentially live on the beach, sleeping in the dunes or under town houses to avoid detection by the local constabulary who frowned on such freeloaders in towns with tourism-based economies. (Ah-The good old days.) Although being a beach bum suited me particularly well, I realized something resembling a career was necessary so I majored in geology at Penn State. Luckily, they had an ersatz marine program which involved spending a semester on the VA coast, near the old stomping grounds, for credit. Like Candide, I felt surely this was the best of all possible worlds. Combining beaches and geology I developed an interest in coastal geomorphology (unlike most fields in geology, you didn't have to wait for millions of years for something to happen) and eventually ended up with BS in geology with a minor in marine sciences.

To expand my horizons (and avoid having to get a real job), I decided on graduate school and selected MSRC because of its emphasis, at that time, on applied research and integration of coastal sciences and management. Hy time at MSRC was very remarding primarily because: 1) I was fortunate enough to have had the opportunity to work with Henry Bokuniewicz, an experience that helped shape my professional and personal outlook on life (a fact that he would probably deny or, at least, like to forget) and 2) I met my wife to-be (something she'd probably like to forget, too).

After receiving my MS (north shore bluff erosion), I stayed on as a technician under Henry, and for a brief stint, worked with a South Carolina consulting company supervising peat surveys of fresh water coastal swamps called "Carolina Bays" which was a great job if you liked grits and copperheads, I didn't. Luckily I was able to land my present position at Sea Grant where I have been able to put my training to work providing technical advisory services on coastal processes, erosion and marine facilities problems to a wide range of audiences. Although Sea Grant is not officially part of MSRC, I do get great enjoyment out of involving faculty in real world situations in an attempt to provide a technical basis for coastal decision-making (it's amazing how low scientific concerns rank in the political process).

When I have the time I like to play tennis and squash, read, or watch really bad movies ("She Devils on Wheels" is a classic). As our friends know, my wife and I are also into holistic health, women's tennis, combine demolition derbies, cats, and animal rights (we are starting a special group for invertebrates and bacteria if anyone is interested).

A QUOTE

"The specialization of science is an inevitable accompaniment of progress; yet it is full of dangers, and it is cruelly wasteful, since so much that is beautiful and enlightening is cut off from most of the world. Thus it is proper to the role of the scientist that he not merely find new truth and communicate it to his fellows, but that he teach, that he try to bring the most honest and intelligible account of the new knowledge to all who will try to learn."

J. Robert Oppenheimer

December 26, 1954

POSITION ANNOUNCEMENT

* The Department of Geology and the Center for Hydrogeology at Georgia State University invites applications for two anticipated tenure-track faculty positions at the Associate Professor or Professor level starting in 1990. Applications must have a strong record of record of recently funded research and recently refereed publications.

CONFERENCE ANNOUNCEMENT

* The Hong Kong
Otorhinoloaryngological Society is
having a conference on 2-5 December
1991 in Hong Kong. An innovative, wide
ranging programme particularly
highlighting regional South East Asian
problems has been planned.

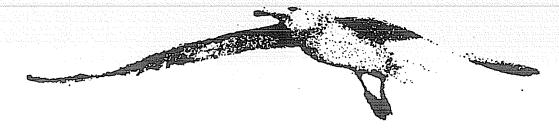
PERSONNEL CHANGES IN UNIVERSITY AFFAIRS

Those who have followed the development of University Affairs over the nine years since it was created as a separate division will appreciate how important it has been to Stony Brook's development. During the past five years this area has thrived under the leadership of Vice President Patricia J. Teed. Dr. Teed's announcement followed shortly after the decision of another key member of the University Affairs administration to resign to accept another position (Ms. Denise Coleman). On behalf of the entire University, I extend my deepest gratitude to Patricia Teed and Denice Coleman for the extraordinary service they have performed in their respective roles and with them well in their future careers.

From John H. Marburger, President

HOUSE FOR RENT

Val Gerard is looking for someone to rent her house while she is on sabbatical leave (mid-December '89 to mid-August '90). The house has 2-3 bedrooms and is furnished, including a piano and potter's wheel. There is a fenced yard (pets are OK) and a garden. It is located in Pt. Jefferson, 6 miles from campus. The rent is \$800 per month, but that is negotiable. Utilities are not included. If you are interested or know of anyone who might be, see Val in 107 Dana Hall, or call 632-8675.



WEEKEND NEWS FROM THE SPORTS INFORMATION DESK

GRADUATE STUDENTS HUMBLE faculty/staff in softball, 8-0

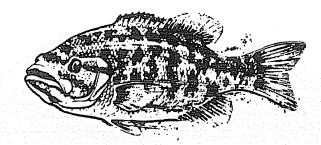
Timely hitting and excellent pitching by the MSRC graduate student softball team, combined with some untimely errors by the faculty/staff team, helped the students romp over the faculty/staff last weekend.

Starting student pitcher, Randy (Shotgun) Young, held his opponents scoreless through the first 4 innings, and Smokin Joe Ohla came on in relief and produced 3 shutout innings. Leftfielder Rick (Willie) Marks was the hitting star for the student team, with 2 home runs and 5 rbi. Boom Boom Byron Boekhoudt came on in relief of 2nd baseperson Monika (Moon) Greene and provided a solo home run in the 5th inning. M. Greene and Larry (Let's play 2) McTiernan collected 2 hits each, and P. Rude, J. Hare, H. Vigil, L. Clough and S. Seplow each had 1 hit for the students. The students helped their own cause with some stellar defensive play at every position.

It was a long day for the faculty/staff team and coach Brownawell. The day began with coach Brownawell desperately searching for a starting team, as few faculty or staff dared come to the ballpark. The team seemed in disarray from the beginning and things never got any better. Pitcher Val (I need relief) Philbrick pitched well through the first 3 innings, allowing only one unearned run. In the 4th inning, however, the student's bats erupted, and Filbrick seemed weary. Meager hitting and untimely defensive play prevented coach Brownawell's team from generating any kind of momentum.

It was a glorious day for the students and their fans as they savored their triumph and the postgame BBQ. Our congratulations to the student team, and to the faculty/staff, better luck next year!

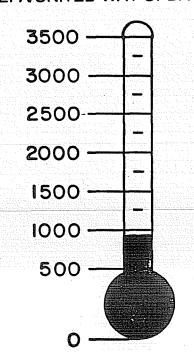
| | Inning | | | | | | | |
|---------------|--------|----------|----------|---|---|---|---|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Total |
| Students | 1 | Ø | Ø | 2 | 1 | 4 | Ø | 8 |
| Faculty/Staff | Ø | Ø | Ø | Ø | Ø | Ø | Ø | Ø |



NEW PARKING METERS

There are now parking meters in front of ADMIN. The special parking permit has no meaning there. You still must feed the parking meter (\$0.25 for 10 minutes, 30 minute limit). The special permit is now good for only the spots behind ADMIN.

SEFA/UNITED WAY UPDATE





MSRC Soundings



Vol IV., No. 26

November 6, 1989

SCHEDULE OF EVENTS November 6 - 12, 1989

Mon 1700 Soundings entries due.

Tue

Wed 1145 Wednesday Seminar (MAR 580) Challenger 165. Dr.
Charles Greene, Cornell University, "Acoustic remote sensing in fisheries - oceanography."

Thu 1530 Faculty Coffee, Dana Conference Room.

1600 Special Seminar on Greenhouse Effect, "Developments in National and International Policy on Global Warming and Energy Policy Issues", Challenger, 165.

Fri 1200 Challenger 165. By special request, there will be a repeat showing of Malcolm Bowman's slides "Impressions gained from a Visit to Contemporary Russia (Moscow and Leningrad), September 1989".

1530 Friday Discussion Group, Challenger 163, "Crabs, Clams and Claws: Fatness or Fitness?" Francis Juanes, MSRC.

TO ALL GRADUATE STUDENTS

Report from the Graduate Student Organization (GSO) meeting on November 1, 1989

I/ The GSO is attempting to get a health insurance plan equivalent to that offered to faculty and staff as a benefit for graduate students. This means much improved and subsidized coverage for all of us. The first step is to get this on the SUNY budget which the trustees will vote on before it goes to the State Governor. The trustees need to know that this is an important concern. To this effect a letter has been drafted which will be sent to said trustees. This letter also addresses two other issues: the soon-to-be-instituted mandatory monthly parking fee for all students and a reduction in the infirmary budget.

Tommorrow a copy of this letter will appear in your mailboxes. Please sign it, print your name and address, and add a personal statement if you so desire. Return the signed letters to my mailbox before Nov 9 and I'll get them back to the GSO.

Interested faculty and staff members are encouraged to get involved (you have clout ...) by writing to a trustee directly or through the GSO.

2/ The GSO is sponsoring 3 buses to go to the **Pro choice** march in Washington, DC on Nov 12. Call them for more details (2-6492/3 from 12-4 on weekdays)

3/ The new graduate lounge (now called the Alternative) will be located on the first floor of Central Hall and promises to be a vast improvement over the old GSL.

Please see me if you have any questions about all this. Thanks for your attention.

Francis Juanes, Discovery 107 Marine Sciences GSO Senator

THE WRITING CENTER

* Whether you're an entering freshman, a graduate student, faculty, or staff, a skilled writer, or a struggling writer, THE WRITING CENTER is designed to help you. In the Writing Center, a consultant will work with you individually. The Writing Center is located in Room 198 of the Humanities Building, their hours are 9-5, Monday through friday, evening appointments are possible, scheduled appointments are preferred. This service is free.

ASSISTANT PROFESSOR POSITION

* Bates College is searching for a structural geologist. Applications are invited for an assistant professorship to begin in September 1990. The individual must possess a strong commitment to field-oriented undergraduate education. The primary interest of the individual should be in structural geology, tectonics, and metamorphic processes and in the application of geophysics, geophysical field methods or geochronolgy to these fields. The closing date is January 1, 1990.

SEFA/UNITED WAY

We are almost half-way to our goal. Please complete your pledge card and submit it today. Last year MSRC was more generous than any other department. I hope that will be true this year as well--I think that's a nice reputation to have. Jeri Schoof

REMINDERS

Nov. 15 is the deadline for MSRC faculty travel grants.

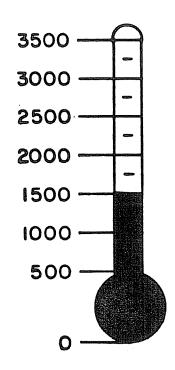
The next faculty meeting is Monday, November 27, at 0900.

ANNOUNCEMENT OF CANDIDACY

Dr. Alexander King of the Department of Materials Science and Engineering is being considered for promotion to Full Professor. Anyone may write a letter to Herbert Herman commenting on Dr. King's teaching, scholarly ability and public service.

V.M. GOLDSCHMIDT CONFERENCE

* An international conference for the advancement of geochemistry will be held on May 2-4, 1990 at the Hunt Valley Inn, near Baltimore in Maryland. It will focus on the chemical aspects of the earth and planetary sciences. Advance registration forms are due by March 15, 1990.

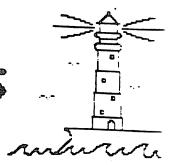


TENURE-TRACK POSITIONS

- * The department of Geological Sciences of California State University of Long Beach invites applications for a tenure-track appointment beginning fall semester 1990. The department has needs for a structural geologist or a hydrogeologist. Applications are due December 15, 1989.
- * The department of Geological Sciences of California State University of Long Beach invites applications for a tenure-track appointment beginning fall semester 1990. The department has immediate needs for a micropaleontologist. Applications are due by December 15, 1989.



MSRC Soundings



Vol. IV No. 27

November 13, 1989

SCHEDULE OF EVENTS November 13 - 19, 1989

- Mon 1000 Distinguished Visiting Scholar Reception, Endeavor Lounge.
 - 1200 Distinguished Visiting Scholar Lecture, Challenger 165.
 "Chlorinated Hydrocarbon in the Marine Environment: Past,
 Present and Near Future Problems." Edward Goldberg.
 - 1500 "Applications of Machine Vision to Science and Industry (including boat performance and sail design for American's Cup Yachts)" Christopher G. Bowman. DSIR Auchland New Zealand. Endeavor 113.
 - 1700 Soundings entries due.
- Tue 1200 DVS Lecture, Challenger 165, "Black Carbon in the Environment", Edward Goldberg.
- Wed 1145 MSRC Weekly Seminar, Challenger 165. Professor Ed Goldberg, (Scripps Inst. Oceanography), Distinguished Visiting Scholar, "Scavenging Revisited".
 - 2000 DVS Public Lecture, Challenger 165, "The Wet Commons, or the Use and Abuse of Ocean Space," Edward Goldberg.
- Thu 1200 DVS Lecture, Challenger 165, "Platinum Group Metal Marine Chemistries", Edward Goldberg.
 - 1530 Faculty Coffee, Dana Conference Room.
- Fri 1530 Friday Discussion Group, Challenger 163. "Microbiology and Nuclear Bomb Radiation Chemistry of Zero Salinity Pore Water that was once Suitable for Drinking," Nathan Epler and Junko Kazumi.

REMINDERS

Msrc Faculty Travel Grant Applications are due November 15, 1989.

The next MSRC Executive Committee meeting is Wednesday, November 22 at 1045 in Endeavor 113.

Research Faculty, Staff, Students must submit their time sheets by November 15. If you did not receive a time sheet, please see Maria.

SEFA/UNITED WAY

The SEFA/UNITEDWAY campaign is drawing to a close and we haven't reached our goal yet. If you haven't submitted your pledge, PLEASE do so today.

OMEGA TRAVEL TO CA

* Omega Travel announces the second cheapest unrestricted flight to California (LA or SF). \$458.00, round trip.

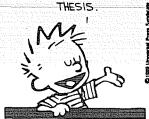
ATTENTION

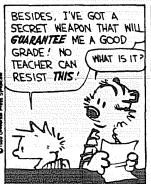
Anyone with a copy of "Oceans '86'" Proceedings? Please see Pete Merkle in Challenger 173. Thanks!

CALVIN AND HOBBES by Bill Watterson

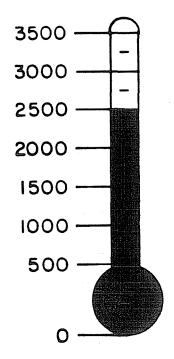


THAT'S PLENTY. BY THE TIME WE ADD AN INTRODUCTION, A FEW ILLUSTRATIONS, AND A CONCLUSION, IT WILL LOOK LIKE A GRADUATE THESIS.







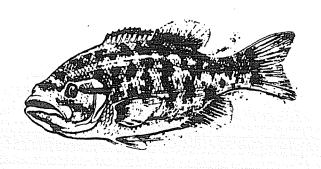


SPRING MANAGEMENT COURSES

I am considering running a 1-credit course in the Spring under Topics in Marine Management. We would divide the class into three groups representing three different agencies with marine responsibilities. We would then go through the process of trying to agree on an alternate strategy, for dredged sediment disposal (one of my favorite topics) in both "agency", "interagency" and "public" meetings. We would need at least 6 students for this to work; no auditors please. Let me know if your interested.

MAR 536 Environmental Regulation and Law, IF THERE IS SUFFICIENT INTEREST, this spring. If you're considering taking this course (or andy course for that matter) it's important to sign up for it during preregistration or it may be cancelled by the time classes start.

Henry Bokuniewicz



REMINDER

Students that need a new chair please see Cliff Jones. Discovery 141 to sign up for one. There are 15 available.

FACULTY POSITION AVAILABLE

* The Department of Geology at Central Michigan University in Mt. Pleasant, is inviting applications for a full-time tenure-track position in Geology. The position will be filled at the assistant professor level by a candidate with primary specialization in hydrology. Candidates with a Ph.D. completed by August 1990 are preferred. Closing application date is January 19, 1990.

FISHERIES BIOLOGICAL TECHNICIAN SOUGHT

* The NMFS in San Diego, CA is looking for sea-going observers to work 40 hours or more per week as the only government employee aboard privately owned tuna purse seine vessels. Observers collect needed information to assess the effectiveness of present procedures required under marinemammal regulations, and acquire biological information for population and life history studies. The application is open until filled.

Friendly

Playbul

DOG NEEDS ROME

Medium-size

1-year old

Healthy

Mixed-breed

Neutered Female

Has All Shots

Belonged to Elderly Couple but cannot keep any longer.

Owner will provide large Supply of Dog Food

Il Interested: Call Maryann Maertz home - 928-9664 (mornings) MSRC - Challenger 149



Vol. IV No. 28

November 20, 1989

SCHEDULE OF EVENTS November 20 - 26, 1989

MON 1700 Soundings entries due.

TUE 1200 "The Influence of Cell Loss and Grazing on the Estimation of Phytoplankton Growth Rate Via Cell Cycle Analysis:

Experimental and Modelling Evidence", Jeng Chang, MSRC.

WED 1200 No weekly seminar.

Thu Happy Thanksgiving!

Fri Main Office Closed. No FDG.

MSRC STAFF PROFILE

MINDY ZIMMERMAN

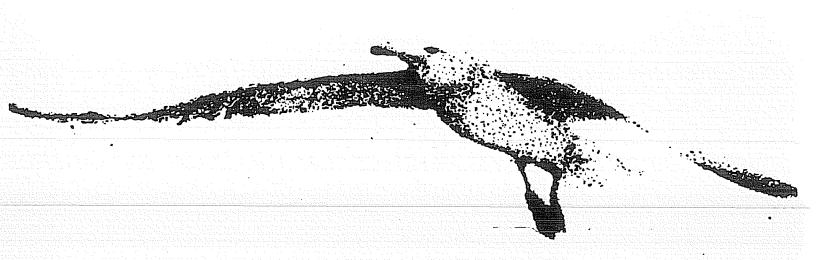
It's been about ten years now since I first arrived at the Center and while I'm still here (at least 2 days a week) much has happened since 1979. I am older, a little bit wiser, married, and recently a mom and with different initials after my name.

I'm happy to say that through it all I have managed to maintain my involvement with coastal processes, first as a graduate student working with Henry Bokuniewicz, then with the Coastal Processes Group (anyone remember them ?), and most recently with my work on the Long Island Sound Study. I am particularly interested in coastal processes and sediment transport and although juggling babysitting schedules hasn't left much time for it, field work has always held a certain appeal for me.

Before coming to MSRC, I received a bachelors in geology from SUNY Binghamton under the watchful eyes of a fairly eccentric carbonate geologist. It was his enthusiasm that eventually prompted me to continue on in the field rather than heading off to veterinary school.

Since I began here there have been many changes at MSRC. However, it's probably the constants (the Onrust, Cliff and his car, jousting with the dental students for parking, Henry, and most importantly the committment to excellence) that hold me here.

When I'm not at the Center, I reside in Smithtown with my husband Andy, a clinical psychologist, our daughter Rebecca and Jake. We enjoy being parents, travel, movies, friends, Bernese Mountain Dogs and Volvos.



THE STORY OF MY LIFE (sometimes referred to as Student's Profile)

GIDON ESHEL

Garlic, Bartock, onion, Boston, swimming naked in Crane Neck beach early in the morning, logical paradoxes, Alice In Wonderland, Catch-22. are some of the things I really like.

Chemically induced light blond hair, systems (especially those with educational intensions), malls, religions (redundancy; religions systems), Leonard Bernstein, are some of the things I don't like (or am strongly ambivalent about?).

How such a creature possibly evolve is very puzzling, considering the clear violation of the second law of thermodynamics.

It all started a couple of decades ago, when I was born in Haifa, Israel. Soon after, my mother, my older sister and I joined my father onboard his ship. Poor me, alas, he was only a Chief Mate back then.

Virtually all my childhood was spent on board tiny cargo ships, or more presicely submarines, as our most common areas of sailing were the coastal waters of Northern Europe, the Baltic and the North Seas, and the English Channel (with the inevitable passage through the Biscaya Bay...). At the age of seven or so, I probably had more nautical milage than Columbus, Magellan and Capt. Cook, combined. Some years after I got to the age during which most kids undergo educational attempts of various kinds, my parents made the decision, and sent me to school. Evidently, a wrong move. Me and school were an explosive, painful combination, from which I had to recover many years.

Reading too much of Jack London, Joseph Conrad, and the like, at thirteen I decided I'm mature enough, and left my parents' home. I moved to a Kibbutz, a communal agricultural society, following the foot prints of my grandparents who were among the pioneers of two of the first Kibbutzim. back in the very early days of the Zionist movement, at the turn of the century. The main thing I got to know during those years were the cows. whom I admired from the first sight. It didn't take me too long to understand that under the existing circumstances, school would be a complete waste of time. Being a very efficient young man, I didn't waste time. I dove into the cow's manure, never to be seen again, until the Army was after me. Before being drafted, I had the inspiration to go through the Israeli analog to the SAT. I entered the army as a Marine Commando, but

after a detection of an ear damage I became something that can best be described in American terms as a "Ranger". During those three years I got to know Israel the way, I think, very few do (remember: Israel is just a little larger than Long Island...).

After the army, I sailed on Israeli ships for some two years. eventually gaining a Third Mate permit. I had my beloved bike with me on board, and used it extensively in every port I had a chance to get a Shore Leave. During this period I also worked on a supply ship, serving oil rigs off the Gulf coasts of Louisiana and Vera Cruz, Mexico. After having enough of the ocean (at least for a while), I got back to Israel and settled down (relatively). For the next few years I ran a beef cattle farm in the northern part of the country (based in part on offsprings of wild 'refugee' Syrian cattle that was gathered after the 1973 war, when Israel recaptured the Golan Heights, and I was in my teens, eager for advantures). Next stop (neglecting some transient weak solutions) - undergrad studies, during which I made a living on yet another occupation - welding and metal works for architecture. As always, I kept my precious independence by developing my own enterprise. Last step in the Holy Land - meeting Denise, and moving in with her some thirty six hours thereafter (but don't be mislead, we are not always so carefull and maticulous - we sometimes get pretty spontaneous...).

Eventually - landing in the largest and rainiest parking lot I have ever seen, namely Long Island. But that is a new story.

Fig. 1:
Gidi, in a
typical
childhood
pose, on
ship's left
wing, with
binoculars
in his hands.
Genova,
Italy,
late
sixtees.



The Knox School, located in the Village of Nissequogue, runs a summer school/day camp for highly motivated children 7-13 years of age. This summer they want to incorporate a marine science component to this program, to run from 25 June - 19 August. Class size is negotiable but, in any case, would not be more than 20. They have funds to pay the instructor and purchase a small amount of materials and supplies. Graduate students or staff who are interested in what would be a rewarding experience should see Bill Wise for more information.

The US Department of Energy offers Alexander Hollaender Distinguished Postdoctoral Fellowships to recent Ph.D.'s to conduct research related to the mission of DOE's Office of Health and Environmental Research, which includes marine systems. Research is undertaken at or in close collaboration with a DOE lab, including BNL. First year stipend is \$35K. Application deadline is 16 January 1990. See program brochure in Main Office.

The University of Hawaii's College of Tropical Agriculture and Human Resources is sponsoring a training program in economic analysis of aquaculture systems, 21 May - 08 June 1990. Tuition is \$1,325. Dormitory lodging & meal plan are additional. application deadline is 15 March 1990. See program brochure in Main Office.

Up to 5% of the annual funding for each of NSF's program areas is available to support Small Grants for Exploratory Research (SGER). Such proposals need not be peer-reviewed, at the judgement of the program officer. Funding limit is \$50K; awards are for 1-2 years and are non-renewable. See brochure in Main Office.

The NYS Department of Agriculture and Markets is soliciting proposals in various areas, including aquaculture, under its Agriculture Research and Development Grants Program. Submission deadline is 08 December 1989. See brochure in Main Office and/or talk to Bill Wise for further info.

Full-time, temporary (1-year) Fisheries Biology Technician positions are available with the National Marine Fisheries Service's Southwest Region (San Diego) to conduct on-board observation of porpoise catches associated with tuna purse-seine operations. Pay is \$7.54 hourly. See flyer in Main Office.

SUNY offers a number of courses and workshops to improve employee training and development. See brochure in Main Office for list of 1989-1990 Fall/Winter offerings.

Developed this past spring, NSF's Program for US-USSR Cooperation in the Field of Basic Scientific Research supports joint research, conferences and workshops, and individual scientific visits involving US and Soviet scientists. Successful proposals are approved by NSF and the Soviet Academy of Sciences. See program brochure in Main Office for further details.

SEFA/UNITED WAY

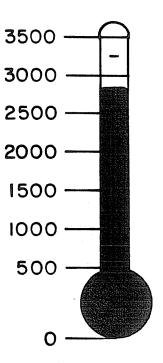
To date we have contributed \$2819.00 to the SEFA/UNITED WAY To the 18 of you who campaign. collectively pledged that sum, my sincere thanks. This message is aimed at the remaining 60 faculty and staff who have not pledged. Most of us at the Center while not wealthy, live fairly comfortable and healthy lives. This is our opportunity to give back a little of what we have to those who are less fortunate. You don't have to contribute a large amount. One dollar a payperiod from each of you would be about \$1490.00 on an annual basis. would go a long way in helping a battered child, homeless family, Please pledge today.

Jeri Schoof

GSO UPDATE

40 letters have been received so far. Please keep them coming. Thank you for your response.

Francis Juanes (GSO Senator)



Marine Science Center Newport, Oregon 97365

(503) 867-3011

POSITION ANNOUNCEMENT

<u>Title</u>: Postdoctoral Research Associate

<u>Salary</u>: \$22,500/yr

Starting: After January 1, 1990

<u>Duties</u>: In collaboration with the chief scientist, will design and conduct laboratory research under controlled laboratory conditions to investigate the role that various environmental factors play in the activity, distribution and behavior of larval and juvenile marine and anadromous fish, including walleye pollock and salmon. The candidate will be expected to maintain research organisms in experimental seawater systems, interact with an established research team, analyze results of experiments and write manuscripts to be submitted for publication in peer-reviewed journals. The position will be at the Cregon State University Hatfield Marine Science Center, Newport, Oregon.

Qualifications: Ph.D. in marine biology, biological oceanography, fisheries, zoology, or allied field. Experience in working with experimental behavior, behavioral ecology, or physiological ecology of larval and/or juvenile fish or invertebrates. Demonstrated ability to conduct original research in this subject area as evidenced by work experience, publications, interview (by telephone where travel makes a personal interview impractical) and letters of recommendation.

To apply: Send resume and names and addresses of three references by December 21, 1989 to:

Behavioral Ecology Search Committee Oregon State University Hatfield Marine Science Center Newport, OR 97365

OREGON STATE UNIVERSITY, AN AA/EOE EMPLOYER, COMPLIES WITH SECTION 504 OF THE REHABILITATION ACT OF 1973. OSU HAS A POLICY OF RESPONDING TO THE NEEDS OF DUAL-CAREER COUPLE

Editor MSRC Soundinos

November 7. 1989

The depletion of the ozone laver is predicted to have grave consequences for life on Earth. Increased levels of ultraviolet radiation resulting from this depletion are implicated in higher incidence of cancer. immune response depression. and cataract development in humans. Damage to aquatic and terrestrial ecosystems is expected. Catastrophe is not too strong of a term to describe what is likely to occur as a result of significant ozone depletion (1). Given that ozone-destroying compounds persist in the atmosphere for decades (1). it is unlikely that even an immediate total ban will have positive effect before ozone depletion reaches dangerous levels.

I suggest that test releases of significant quantities of ozone should be conducted in the Antarctic ozone "hole". These releases could be studied to help determine if large-scale releases of ozone gas would prove beneficial in repairing or stabilizing the ozone layer. The chemistry and kinetics of ozone depletion are areas of intense field research in Antarctica. and a wide array of monitoring equipment is already in place. A weather balloon or rocket fitted with a pressurized fiberglass cylinder of ozone would probably suffice.

Could man have a significant impact on the steady-state quantity of ozone in the ozone laver? Ozone is constantly being generated and destroyed by natural processes in the atmosphere. Man's activities, specifically the release of ozone-destroying chemicals such as chlorofluorocarbons (CFC's), are destroying ozone faster than it is naturally produced, and depleting the overall amount present.

How much ozone is in the entire ozone laver? At altitudes between about 12 to 25 km. ozone is found at concentrations of 2 to 4 parts per million (ppm). This triatomic gas, molecular weight 47.9982 g/qmol. has a density of 2.144 g/l at 0 degrees Celsius and 760mm Hg pressure. If all the ozone in the ozone layer were brought to these conditions, it would comprise a layer of pure ozone only 4 mm thick (2).

To calculate an upper bound for the total quantity of protective ozone. assume that this layer surrounds the Earth at a height of 20 km. Computing the volume of a spherical shell, approximated as the product of surface area and thickness, we find that there are about 2.0505E15 liters of ozone present. Multiplying by the above density figure gives an estimate of 4.4E15 grams, or 9.7E12 pounds total, about 5 billion tons.

In order for atmospheric releases of ozone to have a significant effect on the equilibrium quantity of ozone. let us assume that at least 1% of this figure. or 50 million tons, must be delivered to the ozone layer. This sounds like a lot of ozone!

However. it is quite comparable to quantities of commercial oxygen produced olobally. In the 1970's production of oxygen in the U.S. alone was 19 million tons (3). Ozone is produced commercially from oxygen, but on a much smaller scale. It is a toxic and explosive gas. Many industrial chemicals are produced in much larger quantities and transported by railcar through cities and towns all over the world each day. Production of a hundred million tons of ozone is not beyond reason, especially in light of the quantities of hydrocarbon chemicals produced globally.

The technology exists to produce and deliver a significant quantity of ozone to replenish or stabilize the ozone layer. The test release of ozone mentioned previously is needed to determine if such a repair project would prove beneficial.

It is interesting to speculate on the various risks and costs involved in such a project. Almost certainly, the global industrial cas market would be disrupted. Manufacturing and transportation costs for the gas alone would run into the billions of dollars. However, the total cost would probably be less than current expenditures for maintaining nuclear arsenals. Who could begin to estimate the costs of all kinds that would be incurred as a result of allowing ozone depletion to proceed to any significant degree? Can we afford to do anything less than try to adjust our own atmosphere, this time on purpose, instead of by accident?

Respectfully yours.

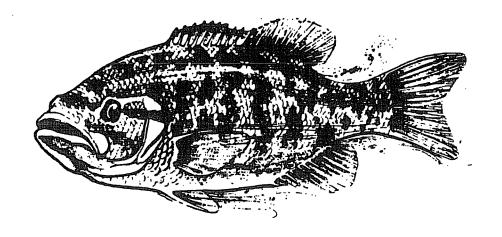
Peter B. Merkle

References

^{1 -} Shea. C.P. "Protecting Life on Earth: Steps to Save the Ozone Layer". Worldwatch Paper 87. December. 1988. Worldwatch Institute.

^{2 -} Haltiner and Martin. "Dvnamical and Physical Meteorology", McGraw-Hill.

^{3 -} CRC Handbook of Chemistry and Physics. 1975-76, Weast (Ed.). CRC Press



Tom Corrigan, a SUSB undergraduate biology major, is looking for a paid or unpaid position as a tech assistant in the lab of a MSRC faculty member. Mr. Corrigan plans to enter veterinary school and concentrate on marine animal veterinary medicine. Ancillary to this, he would like to get some practical experience in the conduct of marine research. He has his own transportation and would be most available on weekday nights and/or weekends. If you are interested in speaking with Mr. Corrigan, he can be reached at 585-3803.

Oregon State University is recruiting candidates for the Wayne and Gladys Valley Professorship, an endowed chair in marine biology. The position is tenured. Closing date for applications is 15 March 1990. See position announcement in Main Office.

The California Maritime Academy's Department of Continuing Maritime Education offers a broad range of classes, seminars, workshops, etc. in maritime vocational training. See class catalogue in Main Office.

The International Geosphere-Biosphere Programme (IGBP) and the Joint Global Flux Study (JGOFS) will jointly sponsor a meeting, "Modelling the Physics, Biology, and Chemistry of the Upper Ocean and its Interaction with the Atmosphere" on 12 & 13 March 1990 at the Royal Society in London. See leaflet in Main Office for list of papers and registration form.

SUNY and UUP jointly sponsor the Experienced Faculty Travel Award program to full- and part-time faculty whose appointment took place prior to 01 July 1988. Upt to \$750 is provided for travel and living expenses connected with research during sabbatical leaves or up to \$500 for other activities, Contact Human Resources Department for program guidelines and application, deadline for which is 16 February 1990.



Vol. IV. No. 29

November 27, 1989

Schedule of Events November 27 - December 3, 1989

Mon 0900 Faculty Meeting, Challenger 165.

1300-1430 Challenger 165 - Meet Dr. Marvin Geller, Director of the University's Institute for Global and Planetary Atmospheres.

Tue

Wed 1145 Wed. Seminar. "The Un-Cycle in the Bioturbated Zone of Estuarine and Hemipelagic Muds." By Bob Aller, MSRC.

Thu 1530 Faculty Coffee, Dana Conference Room.

Fri 1530 Friday Discussion Group, Challenger 163, "Observations on Macrotidal Environments within and near the Mouth of the Amazon River, a.k.a. Viagen A Inferno (Voyage to Hell)", by Jim Rine and Mead Allison, MSRC.

MSRC Faculty Profile Monica Briceli

At the end of WWII my father fled from Tito's Communist regime in Yugoslavia. He chose Argentina as the country to emigrate to because he happened to be learning Spanish at the time (his eighth language), and Argentina had no immigration restrictions at the time. Because languages shaped so much of my life, I'm often puzzled when American students question the "use" of learning a second language... I was born and raised in Argentina, spoke Slovene at home, and attended a British bilingual school where French was required as a second language. We learned about the Falklands in the morning, and about the Malvinas in the afternoon. This gave us early training in culture shock, disbelief and critical thinking. This mongrel background also explains the difficulties people invariably run into in trying to guess my nationality.

I first came to the U.S. and to MSRC in 1977 with a Fulbright Fellowship, largely out of frustration because holidays at the seashore in Uruguay, and working on thermal pollution and freshwater fish ecology for the National Atomic Energy Commission, was the closest I could get to oceanography in urban Buenos Aires (see the film "Apartment Zero" for backdrop). I learned my first hard lessons on U.S. politics in my dealings with U.S. immigration during my quixotic two-year struggle to solve a complicated visa situation that would allow me to stay in this country. This apparently seamless but very uncertain time was spent working at LIU's Southampton College and then at SUNY's Ecology and Evolution Dept. It's again probably from my father, whose own studies in chemistry/physics were aborted by the war, that I inherited an eclectic interest in science as well as the arts. I seriously considered a career in cinematography before starting undergraduate studies in Argentina. My lingering love of films has taken a back seat to marine sciences, but this and my early urban imprinting help to explain my frequent flights to New York on weekends.



With mummy near Cairo, 1980.

SEEKING POSITIONS

- Ruichao Zho, from the Institute in Acoustics, Beijing, China, is seeking to continue academic study and enhance his knowledge and ability in active research work as a Post Doctoral Research Associate. Specifically he is theoretical interested in experimental (laboratory and/or insitu) research areas related to wave propagation, remote sensina. communication and signal processing.
- * Christina Larocca would like to obtain a responsible position utilizing her interest and background in water resources and the aquatic environment. She has a Bachelor of Science Degree from the College of Environmental Science and Forestry, SUNY at Syracuse.
- * Geralynn Fitzpatrick seeks any position available. She has a BS in Engineering Science from SUNY at Stony Brook and a minor in Material Science and Organic Chemistry.

MEETING ANNOUNCEMENT

The Minerals Management Service's Gulf of Mexico OCS Region announces its Tenth Annual Information Transfer Meeting to be held in New Orleans, December 5-7, 1989. The Main Office has information.

POSTDOCTORAL FELLOWSHIP

* The U.S. Navy Office of Navel
Technology's Postdoctoral Fellowship
Program has been announced.
Appointments are for one year. The
deadlines for receipt of applications is
Jan. 1, April 1, July 1 and October 1.

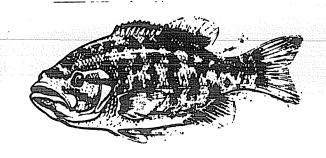
AUTHORITY TO SIGN CONTRACTS

The authority to sign contracts and bind the University is limited to a small number of people on campus. At present time the following individuals. and only those. have authority to sign contracts, agreements or licenses. They are: John H. Marburger (President), Stanley Altman (Deputy to the President), Harry Snoreck (Vice President for Campus Services), Richard Vice President for Wueste (Asst. Campus Services) and Michael DeMartis (Director of Purchasing and Stores). All software licensing agreements must be forwarded to Purchasing for signature.

Rosemarie Williams Nolan

SUMMER FACULTY RESEARCH

- * The U.S. Navy-ASEE Summer Faculty Research Program provides science and engineering faculty members from colleges and universities the opportunity to participate in research at Navy laboratories for a ten week period during the summer break. Application deadline is January 16, 1990.
- * The National Aeronautics & Space Administration and the American Society for Engineering Education is awarding summer teaching fellowships. The application deadline is February 1, 1990.



20 November 1989

To: MSRC Graduate Students

From: Awards Committee

MSRC travel awards: Each year MSRC has available <u>limited</u> funds to assist graduate students in attending professional meetings. Criteria to be used in selection are as follows:

1. All requests must be received by the appropriate deadlines (1 October for travel before 1 February; 15 January for travel after 1 February but before 1 June; 15 May for travel after 1 June but before 1 October 1990).

2. Priority will be given to advanced students presenting research results. The student should be first author on the paper to be presented and should be personally making the presentation.

3. An abstract should be submitted with each request for funds

if possible.

4. Need must be demonstrated. The student and/or advisor will be expected to provide partial travel support. This should be confirmed in a letter.

5. Priority will be given to students whose attendance at the

meeting will be of value in searching for a job.

6. Funds will be provided for a maximum of one meeting per year per student.

Since the Graduate Student Organization also has funds for student travel, we recommend all students also contact them for support.

MOTE: DEADLINE 15 APPROACHING

Trudy Bell now has a real bulletin board outside her office. Because students (and faculty) have so little time to read one newspaper, let alone two, she will be tacking up current articles on environmental issues and science policy from both Newsday and The New York Times. If you have articles you wish to share with others, feel free to tack it up on her board—it will be a highly visible spot, since almost everyone comes by her office sometime on their way to the mailroom. These articles are available for anyone to remove for photocopying; come by and take a look on your way to the mailroom. Return the original to T. Bell's mailbox or repost, but please return, so others can read it too.

OMNET JOBS

- (A BIG bunch after a month's hiatus. Sorry, deadlines come first-TCW.)
- Oct 18 11:50 J.WROBLEWSKI Asst. Prof. Fisheries Oceanograp 32
 Assistant Prof. of Fisheries Oceanography, Memorial University of
 Newfoundland, St. John's.
- Oct 18 15:20 S.WAKEHAM Skidaway Marine Organic Chemis 39 Research tech in Marine Organic Chemistry, Savannah, Georgia. HPLC, GC, mass spec. \$19.2-37.2K.
- Oct 18 15:57 BENEDICT.LAB job opening at Benedict 23
 Permanent full-time field and lab tech, Benedict MD.
- Oct 19 18:07 UMASS.BOSTON.ESP Post doctoral position in biogeo 16 Post doc in biogeochemistry, UMASS at Boston.
- Oct 24 10:33 H.FREY.NOS OCEANOGRAPHER POSITIONS (NOAA, NO 29 NOAA and NOS. Multiple physical oceanographer career-ladder positions, GS7-GS12. Closing date 29 November 1989.
- Oct 24 19:43 L.PIETRAFESA ASC: Climate Dynamics Modeler at 33
 Tenure track position at NC State, Raleigh. Closes 10 Jan. 1990.
- Oct 25 8:43 J.OGDEN Community Ecologist Position at USF Tenure track assistant prof. at University of South Florida, Tampa.
- Oct 25 19:49 SCRIPPS.INST Job opportunity 38
 Post docs at Scripps in all major areas of research. Closing date
 15 January 1990.
- Oct 27 21:03 G.LOSEY JOB OPPORTUNITY IN HAWAII 15 Marine electronics technician, Hawaii Institute of Marine Biology, salary from \$20K.
- Oct 30 17:36 D.EVANS.ONR ONR Phys O Science Officer 32 Arlington VA. Salary \$41-63K. Closing date 23 Jan. 1990.
- Nov 1 7:25 NICOS POSTDOC--BIVALVE PHYSIOLOGY 39 Univ. of Newfoundland, St. John's.
- Nov 2 10:56 J.TICHLER global change research at brookh 72 A global change research program is being initiated at Brookhaven. They are looking for seven faculty for two year positions that may be promoted to tenure-track. Preference given to outstanding recent PhD's, but others including those contemplating sabattical are encouraged to apply.
- Nov 2 11:57 R.PATTON Opportunity for Ocean Engineer/O 23 Recent degree (BS through PhD) in Oceanography or Ocean Engineering for private comapny near Los Angeles. Instrument/system development and scientific analysis.
- Nov 2 22:30 M.AUSTIN Senior & Postdoctoral Positions 18
 At University Corporation for Atmospheric Research (UCAR)
 facilities in Camp Springs MD and Monterey CA. One year visiting appointments that can be renewed to two.

OMNET JOBS CONTINUED

- Nov 6 17:08 P.DURKEE Position @Naval PG School 48
 Meteorologist at Naval Postgraduate School, Monterey CA. GS7-11.
 provide support to research projects analyzing satellite data.
- Nov 7 10:08 VIMS MARINE SCIENCE LIBRARIAN 50 Director of library at Virginia Institute of Marine Science. MLS required. Closing date 10 Jan 1990.
- Nov 7 14:09 W.FENICAL DIRECTORSHIP INST MAR RESOURCES 49
 Director of Institute of Marine Resources, UC Santa Cruz. Full
 professor level.
- Nov 8 3:32 P.GEERDERS Phys.oceanogr.pos. Holland 20 Numerical modeling physical oceanographic faculty position, University of Utrecht, Netherlands. Closes 15 Jan 1990.
- Nov 8 8:10 D.CHECKLEY Research Technician 6
 North Carolina State Univ., Raleigh. Work on larval fish,
 elemental analysis, and instrument development. \$19-22K.
 Available 1 Dec. 89.
- Nov 9 11:45 T.SANFORD PO Post Doc at APL & SoO of UW 34 Post doc physical oceanographer, Univ. of Washington, Seattle.
- Nov 9 14:50 C.WASH POSITION @NAVAL PG SCHOOL 51 Monterey CA. Interactive computer lab manager. Mini, micro, VAX VMS and UNIX systems. GS12 or higher. Position filled ASAP.
- Nov 9 19:21 J.SCHUMACHER Phys.Oceangr., PMEL Seattle 2 research associates to assist in modeling of physical processes affecting fish larvae dispersion. PhD required, salary from \$36K. Closing date 15 Jan. 1990.
- Nov 10 11:30 T.KINDER Polar Prof at USNA (Ocean/Met) 25 US Naval Academy, Annapolis MD. Assistant/assoc prof, non-tenure-track.
- Nov 13 14:33 D.KIRBY

 SUPERVISOR, GM-14, MC&G

 41

 Nov 13 14:35 D.KIRBY

 SUPERVISOR, GM-15, MC&G

 44

 Both positions at NORDA, Stennis Space Center, MS. GM-14 position
 is for electronics engineer, oceanographer, or physical scientist.

 Scientific and technical manager of the branch. GM-15 position
 is technical and administrative manager.
- Nov 13 15:04 O.BROWN Ocean Modeling at University of 27 Tenure-track numerical modeling position, University of Miami. Closing date 15 Jan 1990.
- Nov 13 15:05 O.BROWN Physical Oceanography at the Uni 28 One each academic and research positions in physical oceanography, University of Miami. Closing date 15 Jan 1990.
- Nov 13 15:05 R.SMITH.UCSB tenure track position at ucsb 18 Geography-oceanography. Interests in remote sensing and physical oceanography. Univ of CA at Santa Barbara.

OMNET JOBS CONTINUED

- Nov 14 9:26 F.GRASSLE POceanographer faculty position, 11 Physical oceanographer @ Rutgers.
- Nov 14 9:28 F.GRASSLE Systems Programmer IV, RutgersU 14 Manager for computer network. Knowledge of UNIX, VAX, IBM, Mac.
- Nov 16 11:10 G.CROZIER JOB ANNOUNCEMENT 32 Environmental field and lab tech with SCUBA skills, Dauphin Island Marine Lab, Alabama. \$17-20K. Start date 2 January 1990.
- Nov 16 13:49 G.WELLER RESEARCH FACULTY POSITIONS AT UA 51 Research faculty positions (2) in remote sensing, University of Alaska Fairbanks. Will work at new funded SAR facility. Closes 31 Jan 1990.
- Nov 16 16:54 E.UHLINGER MARINE INVERT JOBS 31
 Lab processing of invertebrate sample from EXXON VALDEZ spill
 area. Immediate need for 5 full-time processors. Positions also
 available for grad and undergrad students. Univ. CA Davis.
 Potential for summer 1990 Alaskan field work.
- Nov 18 9:14 A.GORDON LAMONT/POLAR TYPE 24
 Research faculty: polar physical oceanographer. Field type.
- Nov 19 17:19 D.SCAVIA Fisheries Oceanogr at NOAA HQ 34 Closes 13 December.

Notes:

- 1) Unless otherwise indicated, all Canadian positions are restricted to citizens or permanent residents of Canada.
- 2) First line of each item above is the "scan table" data from the OMNET/TeleMail system. Any following line(s) are a capsule description written after I skim the full job announcement.
- 3) The full message is printed out and posted on Endeavour Hall Employment bulletin board. If you cannot find the announcement there that interests you, give me the delivery information (from the scan table line) and I will print you another copy. Tom Wilson, Discovery 102, 2-8706.

ARCHIE'S LAST CHANGE! Four months of posting, advertising, calling, begging & pleading has not turned up a home for this handsome, healthy, affectionate cat. Val Gerard is now offering a \$50 REWARD to anyone who finds him a good home. And a month's worth of catfood to his new family.



VOL. IV NO. 30

December 4, 1989

Schedule of Events December 4 - 10, 1989

Mon 1700 Soundings entries due.

Tue

Wed 1145 MSRC Weekly Seminar, Challenger 165, "Epicontinental Shelf Sedimentation in the Yellow Sea", by Charles A. Nittrouer, MSRC.

Thu 2000 AWIS (Association for Women in Science), "Women as Scientists, Women as Mothers," Beverly Birns, Dept. of Social Sciences, SUNY. Room S-240, Math Tower. See S. Horrigan, Endeavor 161 for details.

Fri 1530 Friday Discussion Group, Challenger 163, "The Wonderful Gluca," Sverre Myklestad, U. of Troudheim, Norway.

LEAVING

John Rickermann is leaving MSRC Thursday for a job in the aerospace industry. We all wish him the best in his new career.

FACULTY MEETING

There will be a faculty meeting on Tuesday, January 30 at 0900 in Challenger 165.

REAL MONEY FOR REAL WORK

Biologists are needed as observers aboard foreign and American fishing vessels operating in Alaskan waters to collect data required for fisheries management purposes. Data to be collected include: estimates of total tonnage; species composition; incidental catches of Pacific halibut, salmon and crab; length-frequency of certain species; sex ratios; average weights; otolith and scale collections; and marine mammal observations. Observers aboard foreign processing ships also report on vessel compliance to U.S. fishery regulations. Medical facilities may be minimal nonexistent on board ship. A woman observer may be the only woman aboard. Mail your name for work starting December 1989 or January 1990.

LEAVING

As many of you know, my husband and I are heading west to settle in Milwaukee. To all of you, we would like to express our appreciation for your support, concern and encouragement. You have been wonderful. Thank you!!

Sheila Charon

MESSAGE FROM THE DIRECTOR

I'd like your reaction to the following idea. What would you think of MSRC-sponsored internship in Washington, D.C. for an MSRC faculty member or advanced graduate student? The individual would work in the office of one of New York's U.S. Senators or Representatives, or with one of the appropriate committees for months. If the MSRC individual were a member of the faculty, his/her salary would continue to be paid by New York State and the assignment would not eligibility for the sabbatical. Any summer salary or cost of living allowance would be the responsibility of the appropriate congressman or committee. individual were an advanced graduate student. MSRC would provide the stipend; the congressman or committee would provide any additional support required or desired.

I'd like you comments in writing by 15 December 1989. Thanks.

J.R. Schubel.

CALVIN AND HOBBES by Bill Watterson





POPULATION BIOLOGIST

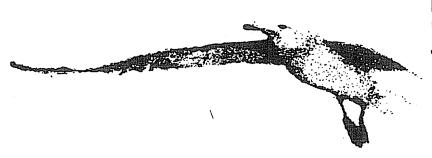
The Bodega Marine Laboratory, a research unit of the University of California, Davis, invites applications for a position in population biology. The position is open at the tenured levelassociate and full professor. Applicants must have a Ph.D. (or equivalent). and demonstrated excellence in their fields. Review of applicants will begin 15 January, 1990.

PROFESSORSHIPS

* The department of Geology and Geography at Georgia Southern College invites applications for three tenure-track, assistant professor level positions beginning September 1, 1990. Deadline for application is January 15, 1990.

DOES ANYONE HAVE THIS PUBLICATION?

Boesch, D.F., 1977. Appls. of
Numer. Classif. in Evol. Invest. of Water
Pollution. EPA-Ecol. Res. Series.
John Erickson 632-8824



Fishery Biologist Jobs Available

Approximately 50 Positions - Sign Up Now!

Employment: Temporary, approx. 3 or 4 months of employment which includes 60 or 90 days sea duty as an observer for National Marine Fisheries Service. Positions available starting 12/89 and 1/90; additional positions are available throughout the year. Observers are hired through contractors who pay entry level biologist's wages. Employment starts in Seattle. Two and a half weeks of job training preceeds the sea assignment.

Work: Biologists are employed as observers aboard foreign and American fishing vessels operating in Alaskan waters. Aboard ship observers estimate catch weight, determine species composition of catch, collect length frequency data and age structures of designated species, and make marine mammal observations.

Qualifications Required: Applicants must have a bachelor's degree in Fisheries or other biological field science. Individuals who apply must be mature, outgoing, responsible biologists. Captains may be unfamiliar with an observer's duties and mutually agreeable working situations may need to be negotiated.

Contact: To place your name on a list of applicants that will be given to all contractors, mail or phone your name and address to:

Karen Teig, NMFS Observer Program 7600 Sand Point Way N.E. Bin C15700 Seattle, WA 98115-0070 (206) 526-4191

MARINE MINERALS TECHNOLOGY CENTER CONTINENTAL SHELF DIVISION GRADUATE RESEARCH ASSISTANTSHIPS 1990-91 Academic Year

- I. Students who will have a degree in engineering, geology, oceanography, or a related field by August, 1990, are eligible for assistantships.
- II. Applications should consist of the following components:
 - A. A letter describing the student's background and direction of intended research
 - B. Resume
 - C. Copies of undergraduate and graduate transcripts
 - D. Two letters of recommendation
 - E. Any other pertinent information or documentation.
- III. Applications must be submitted by February 23, 1990.
- IV. Granting of appointments will be pending final acceptance of the student in full standing by the School of Engineering and the Graduate School of the University of Mississippi. Graduate School catalogs and applications may be obtained from The University of Mississippi Graduate School, 126 Shoemaker Hall, University, Mississippi 38677, (601)232-7474.
- V. Assistantship awards will be \$700 monthly from August 15, 1990, through May 15, 1991, to cover books, supplies, and expenses; tuition will be waived. Additional years must be applied for on a competitive basis.
- VI. Applications should be submitted to:

Katherine H. Walton
Marine Minerals Technology Center
202 Old Chemistry Building
University, Mississippi 38677
(601)232-7320

EST 596: Simulation Models for Environmental and Waste Management

Department of Technology and Society College of Engineering and Applied Sciences State University of New York at Stony Brook

This course is intended for persons interested in the use of computers to simulate environmental and waste management systems. In addition to building on material taught in EST 595 (Principles of Environmental Systems Analysis), the course focuses on the applicability of computer models, and limits to believing their output.

Each session is devoted to an existing model, which is actually demonstrated on a personal computer during the lecture. Some models are user-friendly, based on simple principles, and programmed in BASIC: these are studied in detail, with emphasis on the appropriateness of particular mathematical expressions, availability of data, and sensitivity of the model to changes in input values. Other models are more complex and are treated as 'black boxes': for these the emphasis is on how changes in input parameters and values are translated into changes in output values, and whether such models are, in fact, useful.

Familiarity with computers or programming is useful but not required. Prerequisites include some background in basic sciences (e.g., physics, chemistry, biology) and fundamental calculus, or the permission of the instructor. A term project (either done individually or in a group) will form the basis of the final grade.

Some models which will be used include groundwater contamination from application of pesticides to crops, air pollution, population dynamics, and effects of acid rain on water quality and fish.

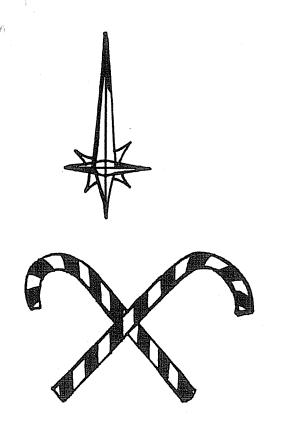
The course will be of interest to anyone involved with using computer models to assess environmental impacts or to manage the disposal of wastes. Such individuals include those interested in environmental sciences and risk assessments, government regulators, consultants, regional planners, those involved with policy making, and others responsible for decision making.

Sand Key

At low tide the reef floats up out of the sea like the barnacled back of a turtle.

The barracuda's tinfoil body falls away over the coral' edge into blue water, like a bottle cap dropped off the transom ten miles out. The dimming flicker of scales, almost daring the sunlight to follow.

Jim Papa Jr.



MSRC HOLIDAY GATHERING



FRIDAY DECEMBER 15th, 1989

PM CHALLENGER
165



PER PERSON - TO BE COLLECTED

IN ADVANCE! (SEE PENNY WEISSMAN

OR JOHN REINFELDER NO LATER THAN

DEC. 94 !!!)

HOMENADE CONTRIBUTIONS TO DESSERT



Vol. IV. No.

December 18, 1989

SCHEDULE OF EVENTS December 18 -24, 1989

Mon 1530 Executive Committee, Endeavour 113.

Tue

Wed No weekly seminar.

Thu No faculty coffee.

Fri No friday Discussion Group.

Happy Chanukkah, Merry Christmas, Happy New Year!

POSITIONS SOUGHT

Robert S. Doobinin seeks position with the MSRC. He graduated from Suffolk County Community College in May with a major in Science Laboratory Technology with a Marine and Biology emphasis. He is presently looking for a position in the environmental and marine biology field.

NSF SHORT COURSE

* In the Summer of 1990, NSF Oceanography Short Course will be held at the University of San Diego. Ideal applicants for this funded program are those who teach undergraduate courses with some physical or biological marine science content and who need upgrading in ocean science because of seasoned degrees.

WORKSHOP

* The Earth System Science Center will conduct a workshop on Atmospheric oxygen variation through geological time on July 16-20, 1990 at the Penn State University.

MAIN OFFICE HOLIDAY SCHEDULE

The Main Office will be closed Monday and Tuesday, December 25 and 26. It will re-open on December 27. Research paychecks will be distributed on December 29, but only until 3:00. The Main Office will close at 3 p.m. on December 29 and reopen on January 2.

SHELLFISH SEMINAR

Anyone interested in going to the February 27 NMFS shellfish Seminar in Milford, CT, see Bill Wise. LIMRI will be renting a van which will accommodate 12 passengers.

Thanks Bill

SCIENTIFIC POSITIONS

The Water Quality Section of the U.S. Army Corps. of Engineers has three scientific positions open. If you're interested please contact Mr. John Tanolaro. 212-264-5620

ENVIRONMENTAL SCIENTIST

* National Ocean Service (NOAA) provides scientific support in the areas of oceanography, marine biology, geomorphology, and chemistry to Federal On-Scene Coordinators during, and in preparation for, spill responses involving the release of oil and hazardous substances in coastal waters. The incumbent formulates and updates response plans with respect to scientific support for spills in the region. See Main Office for details.

ASSISTANT PROFESSOR

Applications are being solicited to persons interested in an Assistant Professor position in Biological Oceanography (Physiologist) at The University of Connecticut. Begins 9/1/1990. They are looking for someone with expertise in environmental physiology. Position closing date, 2/1/90.

POSITIONS AVAILABLE

* Cornell Cooperative Extension in New York State is recruiting for Cooperative Extension agents. General responsibilities include developing, conducting, and evaluating community education programs for 4-H youth, consumers, farm families, community leaders, small businesses.

TENURE TRACK POSITION

Washington University, St. Louis, announces a tenure track position for the fall of 1990, seeking candidates who will apply modern, quantitative techniques to field and laboratory analysis of problems in the area of sedimentary geoscience. Of particular interest are candidates who can benefit from existing strengths our tectonics, Precambrian geology, fluidrock interactions, and geochemical analysis, and who demonstrate creativity and promise of excellence in teaching and research that will lead to vigorous program of graduate research.

COUNDINGS HOLIDAY

This is the last issue of Soundings for the year. Publication will resume with the January 29 issue. Deadline for copy is January 22. The Soundings crew wish all of you a happy holiday and a healthy prosperous new year.

STAFF CHANGES

Maria Warren left the Center for a secretarial position in DEC effective Thursday, Dec. 14. The hectic pace of the Main Office was not to Maria's liking. So, once again, we are recruiting for a secretary for the Main Office. Until a replacement is found Christine will handle the time sheets.

TIME SHEETS

Time sheets for research faculty, staff and graduate students and state staff are due December 15. If you didn't receive a time sheet see Christine. If you did but haven't turned it in yet you'd better hurry-Human Resources will be closed December 23-January 2.

FACULTY MEETING

Don't forget to mark your calenders. The date of the next faculty meeting is January 30 at 0900.

ONNET JOBS

- Nov 27 12:00 W.BOICOURT Physical Oceanography Position 17 University of Maryland, Horn Point. Tenure-track physical oceanographer at the assistant, associate, or full professor level. Closes 19 January 1990.
- Newly-created position of Director of Louisiana Universities Marine Center in Cocodrie (an amazing, beautiful, brand-new facility but WAY OUT in the bayous TCW]. 30,000 square foot facility, 2 RV's (105 and 57 feet), 8 faculty. Closes 31 January 1990.
 - Nov 29 21:28 R.DETRICK MARINE GEOPHYSICS Position 26
 Tenure-track state supported position at Graduate School of
 Oceanography of University of Rhode Island, Narrangansett.
 Preferably will be filled at the Assistant or Associate level.
 Closing date 1 February 1990.
 - Dec 5 15:32 UGA.MAR.INST Technician Position at UGA Marin 32 Research tech at Univ. of Georgia Marine Institute on Sapelo Island. Work for MSRC alum Ron Kiene studying biogeochem cycling of organic sulfur conpounds. HPLC and GC experience helpful. Sapelo Island is barrier island, access only by ferry, residence on the island is expected. Position good up to 2 years, closes on 1 February 1990. Call Ron at 912-485-2271.
 - Dec 7 13:22 A.KNAP Nutrient analysis at Bermuda 17 Temp. position (2-3 months, perhaps longer) to set up Technicon Autoenelyser II for nitrate, nitrite, silicate, and phosphate. Available immediately. Bermuda Biological Station for Research, St. Georges. Anthony Knapp, 809-297-1880.
 - Dec 7 13:37 L.SHAPIRO.LYNDA MAINE EXECUTIVE DIRECTOR 30 Exec. director for Center for Innovation in Biotechnology. Review of applications begins Jan. 15, 1990.
 - Dec 8 11:00 J.ALBERTS Monitoring Technician 26
 Univ. of Georgia, Sapelo Island. Technician to maintain weather
 and surface water quality field monitoring station. Involves
 maintenance, calibration, and download/translation of data from
 Hydrolab and Campbell Scientific instruments. Duties will include
 work on GIS [prob. Geographic Information System TCW] to be
 established soon. Full-time Research Tech I or II, funded 2 years
 with extensions expected. Available 1 Jan 1990.
 - Dec 8 12:05 G.CROZIER job in marine ecology 33
 Faculty position essistant/essociate professor level, Alabama
 Marine Environmental Sciences Consortium, Dauphin Island.
 Zooplankton/lerval ecology with emphasis on factor influencing
 recruitment. Deadline 1 March 1990, expected starting date
 September 1990.

OMNET JOBS (continued)

- Dec 8 15:12 A.DEEPAK SCIENTIST/METEOROLOGIST/PROGRAMM 16
 At Science and Technology Corporation, Boston MA. Satellite
 remote sensing for cloud analysis. MS or higher degree
 atmospheric sciences, meteorology or related field with strong
 background in FORTRAN and VAX/VMS. Dr. Paul Try, 202-863-0012.
- Dec 8 15:15 A.DEEPAK PROGRAMMER/SCIENTIST POSITION 17
 Also at Science and Technology Corp, Boston. Work on same project
 as position above. BS or higher degree in computer sciences,
 atmospheric sciences, or related math or physics field. Contact
 Dr. Paul Try, 202-863-0012.
- Dec 8 18:10 PICO.UAF Technical Services Mgr for PICO 88
 Overall project management of Polar Ice Coring Office,
 University of Alaska, Fairbanks. Requires MS in Engineering
 or equivalent work experience in Mechanical, Civil,
 Electrical, or structural Engineering. Applications must be
 received before 5pm December 30, 1989. \$50K, full time
 permanent position.

First line of each item above is the "scan table" data from the OMNET/TeleMail system. Any following line(s) are a capsule description written after I skim the full job announcement. The full message is printed out and posted on Endeavour Hall Employment bulletin board. If you cannot find the announcement there that interests you, give me the delivery information (from the scan table line) and I will print you another copy. Tom Wilson, Discovery 102, 2-8706.