



Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 1

January 20, 1992

Schedule of Events January 20-26, 1992

MON	1530	Premiere Viewing of Video "Alive in an Urban Harbor" Produced by MSRC and John J. Stevens Productions Challenger 165
TUES		Soundings Entries Due to Jeri
WED		
THU		
FRI	1500	"Research Initiatives in New York City's Waters" Betsy Adamson, MSRC Alumna Challenger 165

POST HOLIDAY PARTY NEWS

There are three items no one claimed after the party.

- wooden spatula
- yellow plastic spatula
- round white plate with blue floral designs

If any of these items belong to you, then leave a note in my mailbox or drop by Discovery 99.

Mike Steinberg

TIMESHEETS

If you did not submit a timesheet or sign a faculty or student roster, you should do so immediately.

ACADEMIC PLAN

We have several copies of the Center's Academic Plan in the front office. If you would like to borrow one to read, please stop by. The Plan was developed in response to the "requests" from the Provost and a number of people at MSRC contributed to it.

POSITION AVAILABLE

Jonathan Wood is looking for a lab technician position. A 1974 graduate of Stony Brook, Mr. Wood has experience in molecular biology and microbiology lab techniques. His resume is in the Main Office.

HIGH TIDE

By Michael Steinberg



How fish deal with garbage in the ocean.

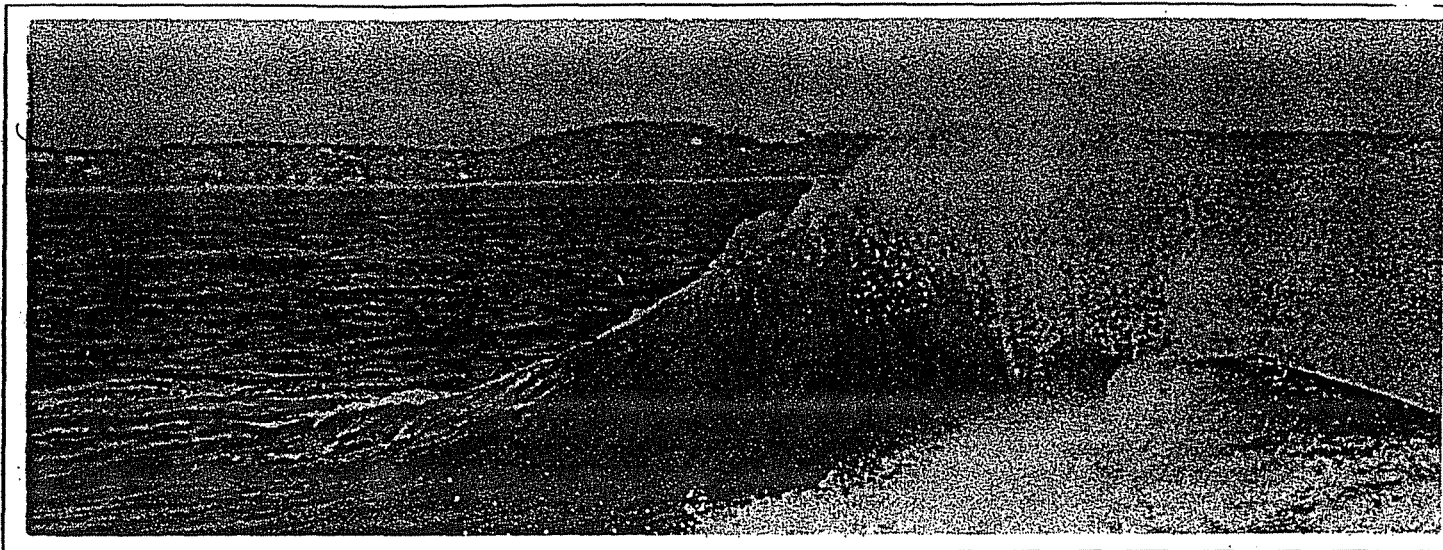


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 2

January 27, 1992

Schedule of Events January 27-February 2, 1992

MON		
TUES		Soundings Entries Due to Jeri
WED		
THU		
FRI		

INTERNSHIPS

The New York State Assembly has a summer internship program for up to 20 students. Stipend is \$3,000. Application deadline March 16, 1992.

CONFERENCES

Energy from Biomass and Wastes
XUI, March 2-6, Orlando, FL.

FOR SALE

JVC RX60 100 watts per channel receiver - \$75.00. BIC semi automatic turntable, no cartridge - \$25.00. 15 gallon hexagon aquarium with finished woodbase, light, gravel - \$75.00. See Jeri Schoof.

TUITION SCHOLARSHIPS

All tuition scholarships should be credited to student accounts by February 10. Students are urged to go to student accounts after that date to be sure their accounts are accurate. Errors should be reported to Jeri Schoof no later than February 20.

ADJUNCT FACULTY POSITION FOR DR. CARL SAFINA

Dr. Carl Safina is being considered for an adjunct faculty position at MSRC. A number of you heard his seminar last week. If you have any comments on his candidacy, please send them to me by 5 February 1992. Thanks.

J.R. Schubel

REFERENCE ROOM

Because of our budget situation at MSRC, the Reference Room has had to cut student assistant hours.

Qi Zheng has been working in the Reference Room for about a year as a graduate assistant and has a basic knowledge of Marine Sciences terminology.

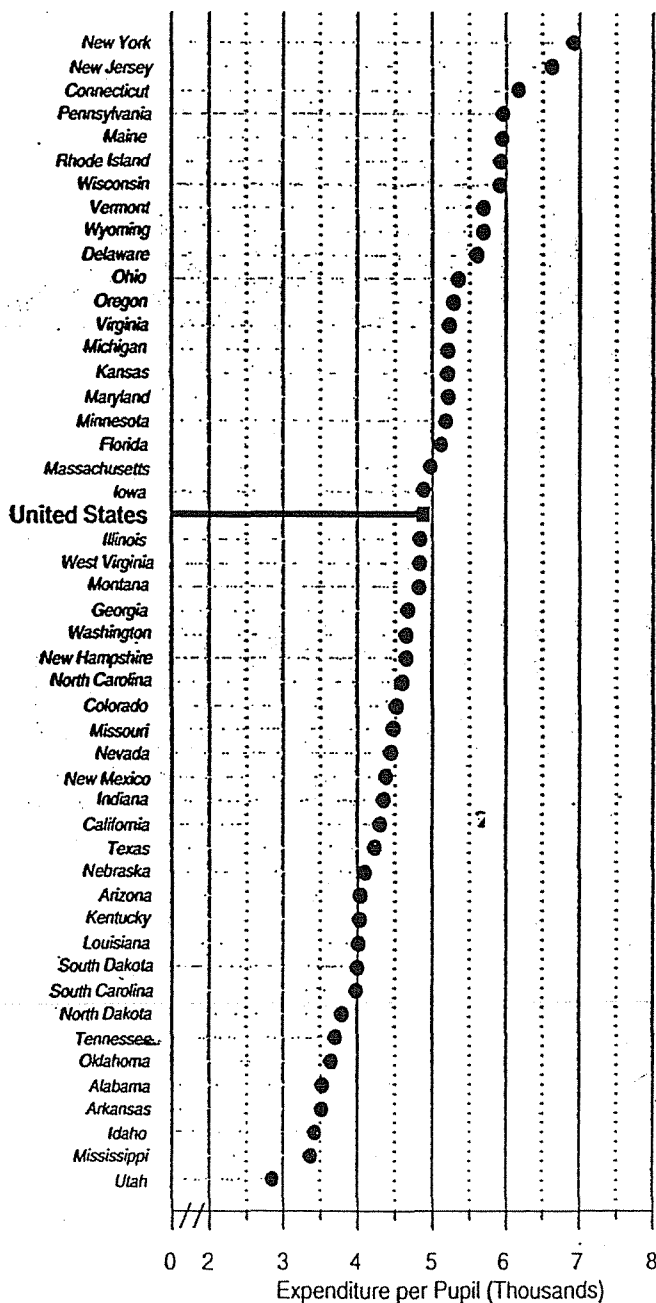
She has had two years experience working in the Biochemistry Department in Life Sciences as a lab assistant. She is also a computer expert on both IBM and Macintosh, and is proficient in Lotus 123, dBase IV, Paradox, Wordperfect, WordStar, Microsoft Word, and Harvard Graphics. She is looking for a part-time position at MSRC.

If you know of anything available, please leave a message for her at the Library at 2-8679.

L. Herschenfeld

MSRC ALUMNUS SELECTED TO HEAD LONG ISLAND SOUND STUDY OFFICE

MSRC alumnus, Mark Tedesco, has been selected by the U.S. Environmental Protection Agency to head the new Long Island Sound Study Office. The main office will be in Stamford (CT) and the branch office at MSRC. Both offices will open by mid-February and Mark will spend at least a day a week with us at MSRC. Their office will be in Endeavour Hall.



An actual S curve. Cost adjusted school expenditure 1989-90, as reported by the Educational Testing Service. New York is highest. Utah is lowest. Almost any Federal grant-in-aid program will redistribute tax revenue so as to "even up" the difference.

PCBs Levels Drop in NY Striped Bass

The New York State Department of Environmental Conservation's (NYSDEC) Division of Marine Resources issued its 1990 study results (Technical Report 91-1) of PCB concentrations in striped bass from New York's marine district. The studies come in response to concerns regarding the possible health risk of eating fish contaminated with PCBs from polluted Hudson River sources.

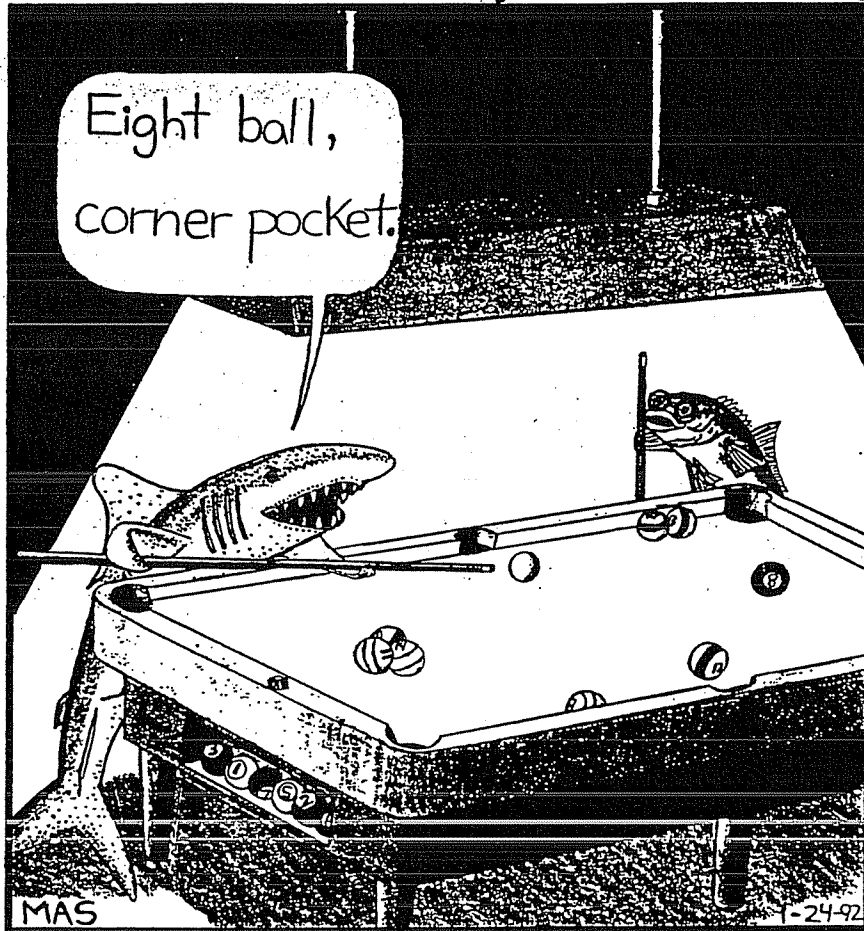
The 1990 study was a follow-up to similar studies in 1984, 1985, and 1987. Although PCB concentrations (in edible portions of standard fillets) varied with season of year, area of collection, and size of fish, the average concentrations were significantly lower in 1990 than in 1987. In general, the larger the fish, the greater the PCB levels. Overall, 16 percent of the striped bass exceeded 2 ppm wet weight PCB (the U.S. Food and Drug Administration's tolerance level); in 1987, the proportion exceeding 2 ppm was 50 percent. The average concentration of PCBs in fish filets was 131 ppm in 1990. This represents a decline of nearly 69 percent since 1984.

The study also reported lower PCB levels in fish with increasing distance away from the dominant contamination sources in the Hudson River. The report states that the decline in striped bass PCB levels in the marine district, though real, may be transient and depend upon conditions that are not fully documentable, such as low flow conditions from upland source areas that affect loadings to the system, or other short-term changes in habitat, source conditions, or environmental variables that influence PCB availability.

Even in the face of declining PCB levels in fish, contaminant conditions remain severe, with aquatic and terrestrial communities still at considerable risk. These conditions will likely persist long after PCB concentrations in fish are deemed safe for humans. However, the decline in PCBs in New York's striped bass warrants optimism for the future. For more information, contact the report's senior author, Ronald Sloan, NYSDEC, Bureau of Environmental Protection, Division of Fish and Wildlife, 50 Wolf Road, Albany, NY 12233-4756.

HIGH TIDE

By Michael Steinberg



Bernie makes the fatal mistake of betting one-hundred clams on a game of eight-ball with the local pool shark.

I'd like to take this opportunity to thank everyone at MSRC for their support and constructive criticisms of last semester's High Tide, your input really counts. Let's make this semester time as good!

MAS

Zebra Mussel Invade Chesapeake Bay

In December, the Alliance for the Chesapeake Bay's Bay Journal reports that the zebra mussel was found at a power plant on the upper Susquehanna River in New York. The Susquehanna flows from New York through Pennsylvania and into Maryland where it empties into Chesapeake Bay. No mussel have yet been found in Pennsylvania but they are expected to eventually spread downstream. Zebra mussels are native to the Caspian Sea; they spread across Europe via shipping canals and were introduced into the U.S. around 1985 or 1986. They were transported to the U.S. by ocean-going ships and then released into the lower Great Lakes with the release of ballast water.

The Chesapeake Bay Program's Living Resources Subcommittee has formed an Exotic Species Workgroup to focus on the zebra mussel and the potential problems of other exotics that may enter the Bay area. The Bay is no stranger to problems with exotics. In 1982, Hydrilla, a submerged aquatic plant native to Southeast Asia, invaded the Potomac River and now covers several thousand acres.

EMPLOYMENT

CHAIR IN ARCTIC MARINE SCIENCE, Dept. of Oceanography, Naval Postgraduate School, Monterey, CA (12/91)
The Naval Postgraduate School (NPS) is soliciting applicants for the Office of Naval Research sponsored-Chair in Arctic Marine Science. The purpose of the Chair, now in its 17th year, is to promote involvement of members of the polar science community in research problems of interest to the naval oceanographic effort, in particular the Arctic Ocean and its peripheral seas. We are seeking applicants for the Arctic Chair for the academic year beginning October 1, 1992. The incumbent's principal duties will be to conduct research of an appropriate nature, interact with various naval organizations (e.g., the Naval Polar Oceanographic Center), teach courses to NPS students (e.g., Polar Oceanography, Underwater Acoustics, Remote Sensing, Physical Oceanography, etc.) and possibly supervise student thesis research. Teaching and research ability will be the primary considerations in the selection process. The term appointment will normally be for 12 months (October through September) but exceptions will be considered. Candidates may be from the academic, state, federal or private sector. Candidates from foreign countries are also welcome. Salary, benefits and travel budgets will be commensurate with the candidates background. For further information contact Professor Robert H. Bourke, Code OC/Bf or call (408) 646-3270/2552. Send letter of interest and curriculum vitae to: Professor Curtis A. Collins, Code OC/Co, Department of Oceanography, Naval Postgraduate School, Monterey, CA 93943-5000. Letter of interest should be received no later than February 29, 1992.

Marine Ecologist in San Francisco, CA (12/91)

We're looking for a scientist to oversee wetlands and reef creation projects. The California Coastal Commission is a state planning and regulatory agency. In 1974, the Coastal Commission issued a permit to Southern California Edison Company for a major expansion of the San Onofre nuclear power plant. A condition of the permit required monitoring the impacts of the plant expansion and mitigating any adverse impacts. As a result of this study, the Coastal Commission has concluded that a 150-acre wetlands restoration project and a 300-acre artificial reef project must be constructed. The primary responsibility of the position is to manage a long-term marine resource mitigation program, which includes the design, construction, and monitoring of the wetlands restoration and artificial reef projects. Responsibilities include coordinating and overseeing all aspects of the mitigation program. Initial tasks include working with engineers and biologists on project designs and designing a long-term sampling program to determine whether the mitigation projects meet specified performance standards. After monitoring has begun, tasks will include evaluating contractor reports, providing guidance on scientific issues, and working with a scientific advisory panel and Southern California Edison to resolve problems in the implementation of the mitigation projects. Funding for this contract, which is provided by Southern California Edison, is assured for the duration of the project. Candidates must have a doctorate in marine biology, ecology or a related field, and preferably postdoctoral or other professional experience. Preference will be given to candidates with strong analytical and statistical skills. Salary commensurate with experience. To apply, send curriculum vitae and names and telephone numbers of three references to: Susan Hansch, Manager, Energy and Ocean Resources Unit, California Coastal Commission, 45 Fremont Street Suite 2000, San Francisco, CA 94105. Applications received by December 13, 1991, will be given highest priority consideration. To apply for this unique opportunity. California Coastal Commission, 45 Fremont Street, Suite 2000, San Francisco, California 94105 (415) 904-5240/JQTDD (415) 904-5433

1992-93 AAAS Fellowships for Scientists and Engineers, Washington, DC (12/91)

Congressional: Fellows spend one year on Capitol Hill working with members of Congress or Congressional committees as special assistants in legislative and policy areas requiring scientific and technical input. Two fellowships will be offered, with annual stipends of \$38,000. Diplomacy: Fellows work in international affairs on scientific and technical subjects for one year, either in foreign policy at the US Department of State, or in international development for the US Agency for International Development. Approximately 12 Fellows will be selected. The annual stipend varies with experience, starting at approximately \$38,000. Applicants must be US citizens. Executive Branch: Fellows work in the White House Office of Science and Technology Policy, for one or two years, providing expertise in industrial R&D, technology transfer, international competitiveness, and related issues. Candidates should have a minimum of five years of industrial experience, through mid-level and senior executives. Stipends are negotiable. Environmental: Fellows work as special research consultants with the Office of Research and Development of the USEPA for 10 weeks in the summer. The detailed, future-oriented research assists ORD in assessing the significance of long-range environmental problems. The stipend is \$900 a week. Applicants should be postdoctoral midcareer scientists and engineers, from any physical, biological, or social science or any field of engineering. The programs are designed to provide each Fellow with a unique public policy learning experience; to make practical contributions to the more effective use of science and technical knowledge in the U.S. government; and to demonstrate the value of science and technology in solving important societal problems. All Fellows participate in a rigorous orientation on the relevant congressional and executive branch operations and foreign affairs plus a year-long seminar series on issues involving science, technology, and public policy. The Congressional, Diplomacy, and Executive Branch programs begin in September 1992 (application deadline January 15), and the Environmental program begins in June (application deadline February 15). For additional program information and application instructions, write: Fellow-

EMPLOYMENT

ship Programs/Directorate for Science and Policy Programs, American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005 202/326-6600

POSTDOCTORAL FELLOWSHIP IN PHYSICAL OCEANOGRAPHY, Quebec (12/91)

The Universite du Quebec a Rimouski invites application for a postdoctoral fellowship position in estuarine and nearshore hydrodynamics. The successful candidate will be expected to aid in the coordination, instrument deployment and data analysis phases of a research project dealing with the hydrodynamics of a coastal bay in eastern Canada. Interest could also include the development of numerical models. The successful candidate will work with a multidisciplinary research group investigating coastal and estuarine processes involved in Scallop growth in coastal areas within the Ocean Production Enhancement Network (OPEN). OPEN is one of the 15 Networks Centers of Excellence (NCE) recently formed by Canadian Inter-Council Program Directorate. The position will begin as early as possible during the Fiscal year 1991-92, with initial appointment for 1 year period. Extension of the appointment is possible, contingent on satisfactory performance, availability of grants and if mutually desirable. Applicants should have a Ph.D. in oceanography, physics, engineering or applied math. Interested persons should send their complete curriculum vitae and the names and addresses of three referees to the following address before December 15, 1991. Professor Mohammed I. El-Sabh, Directeur, Departement d'oceanographie, Universite du Quebec a Rimouski, 310, des Ursulines, Rimouski (Quebec), Canada, G5L 3A1. TEL : (418) 724-1770, FAX: (418) 723-7234

PHYSICAL OCEANOGRAPHERS, DSIR MARINE AND FRESHWATER, WELLINGTON, NEW ZEALAND (12/91)

DSIR Marine & Freshwater is the country's major multi-disciplinary aquatic research organisation. Its mission is to understand New Zealand's oceans, estuaries, lakes and rivers this allowing for the best use of aquatic resources for all New Zealanders. Vacancies exist within the New Zealand Oceanographic Institute of DSIR Marine & Freshwater, to undertake oceanographic research in the New Zealand region. The present programmes are broadly in the areas of regional/shelf circulation studies and ocean climate change studies. Encouragement is given to interdisciplinary studies involving interaction with biologists and geologists. Skills in one or more of the following subject areas are desirable: Shelf circulation, tides, upper ocean dynamics, satellite remote sensing, local scale numerical modelling, ocean climate change research. The ability to place observational results in a sound theoretical framework in order to advance our understanding of the oceans around New Zealand, will be of the highest importance. Funding is obtained on a competitive basis from the Foundation for Research, Science and Technology. The successful applicants would also be expected to undertake some commercial contract research. The Division will be placed in a larger Crown Research Institute in 1992 giving additional opportunities to work with atmospheric and other physical scientists. A PhD or advanced degree in oceanography or a related field will be advantageous. Starting salary, dependent on qualifications and experience is \$(NZ) 28,000 to \$(NZ) 50,000. Some assistance with transfer expenses may be negotiated. Applications with a full CV and the names and addresses of 2 referees should be made to: Basil Stanton, New Zealand Oceanographic Institute, P O Box 14 901, Kilbirnie, WELLINGTON. Phone: (04) 386-1189, Fax: (04) 386-2153, Omnet: NZ.OCEAN, email: srwobrs%wao@wnv.dsir.govt.nz, Closing Date is 12/15/91.

PART-TIME LIBRARIAN, HUDSON RIVER FOUNDATION, NY (12/91)

The HUDSON RIVER FOUNDATION, a non-profit foundation dedicated to supporting scientific and public policy research, and environmental programs on the Hudson River, is seeking a PART-TIME LIBRARIAN to help continued planning, organization and maintenance of a scientific and environmental collection for the New York/New Jersey Harbor Estuary Program. The Librarian will work with the Foundation staff to oversee the continued development of this specialized collection. The Librarian will have responsibility for maintaining the computerized files on the collection and for handling public use of the collection. BA in Library Science or several years of college majoring in Library Science. Some college-level courses in Biology or Ecology. Computer software experience. STARTING DATE: Immediately. Salary is commensurate with experience. We require a minimum of 15 hours per week, preferably two full days. Please send cover letter and resume to Terry Shtob, Hudson River Foundation, 40 West 20th Street, 9th floor, New York, NY 10011 or call (212) 924-8290.

Community Organizer, Environmental Action Foundation, Takoma Park, MD (11/91)

Community organizing experience, and knowledge of toxics issues. 3 years relevant experience, excellent written, verbal, and interpersonal skills. Publicize toxic chemical use, working with local organizations and activists concerned with toxic problems, promoting the reduction of toxic chemical use through public education, community pressure, and the media, and identifying facilities violating the "right to know" law. Women and people of color encouraged to apply. \$23,500/yr + benefits. Send a cover letter, resume to Environmental Action Foundation, Box M 6930 Carroll Ave., Suite 600, Takoma Park, MD 20912.

Environmental Scientist, Research and Development, Walt Disney Imagineering (11/91)

Immediate opening for a Senior Environmental Scientist at Walt Disney Imagineering. The preferred candidate will have a MS or PhD in Environmental Sciences or related discipline with an emphasis on hydrology of natural systems, particularly surface water and shallow ground water as they pertain to wetlands. A strong mathematical and quantitative ability as well as a familiarity with

...g, starting, budgeting, and evaluating all aspects of the Division's operations. The five Branches of the Division contain 17 Investigations. The overall staff complement is 189. Activities of the Investigations include; marine resource surveys; studies of age, growth, maturity and feeding habits; acquisition and maintenance of a commercial and recreational fisheries statistics data base and a zooplankton data base; single and multispecies and multifisheries assessments; studies of population dynamics and dynamics of components of ecosystems; economic studies; and validation of resource quality. Applicants must have a bachelor's or higher degree with at least 30 semester hours in biological science. This course of study must have included: 6 semester hours in aquatic science; at least 15 semester hours in animal sciences; and at least 15 hours in any combination of two or more physical sciences. In addition, applicants must have one year of professional experience equivalent to the GS-13 level in the Federal Service. Basis of evaluation includes: A broad knowledge of the field of marine resource research which includes demonstrated quantitative skills; broad experience in planning and directing complex data acquisition and/or research programs, including administration of budgets, personnel resources; demonstrated knowledge and ability to lead sizeable, critical and innovative research activities; demonstrated ability or potential to implement public policy objectives in the workplace such as employee development, training career counselling, performance evaluation and support of EEO and affirmative action programs; and; the ability to communicate effectively through publications and participation in national and international meetings, such as AFS, NAFO and ICES, meetings of management agencies and in interactions with the fishing industry, and general public. Announc. no.: F-9 2-01 KAM Issue Date: 10/31/91 Closing Date: 12/02/91. Salary: \$52,406. Applicants must submit: a SF-171, Application for Federal Employment. NOTE: Federal employees must submit a copy of their most recent annual performance appraisal. Failure to submit this form may affect consideration under this announcement. Applicants may also submit a current Curriculum Vitae. Send forms to: Eastern Administrative Support Center, Room 411, 253 Monticello Avenue, Norfolk, VA 23510, ATTN: Kathryn A. McArthur. If you have any questions or desire further information, contact Ms. McArthur on FTS 827-6880.

POSTDOCTORAL FELLOWSHIPS at the University of Washington

Applications are requested from new or recent doctorates in science, engineering and from individuals with equivalent degree stature in related fields for fellowships to be awarded in the College. The College consists of four units covering all aspects of marine science and marine policy. Fellowship holders will be appointed in one of the following departments: The School of Oceanography carries out basic research in physical oceanography, marine chemistry, marine geology and geophysics, and biological oceanography. The School of Marine Affairs focuses multidisciplinary research on marine policy issues arising from man's use of the oceans; relevant disciplinary training may be in any of the social or natural sciences or in law. The Applied Physics Laboratory carries out research in physical oceanography, polar science, underwater acoustics, and a wide range of engineering disciplines. The School of Fisheries specializes in fish and shellfish systematics and ecology, aquaculture, quantitative fishery management, environmental toxicology and food science. Fellowships are awarded for one year, renewable for a second year, with an approximate stipend of \$30,312 and a modest research budget. Health insurance is also provided. A complete application consists of transcripts of the applicant's graduate record, a cv, letters of recommendation from three referees, a synopsis of the doctoral dissertation, and a 1-2 page statement outlining the research the applicant proposes to undertake at UW. Direct contact with faculty in the College is encouraged. All materials must be received by 3 January 1992. Awards will be announced in Spring 1992 (mid March). Fellowships are expected to be taken up before 1 September 1992. Applications and any questions should be addressed to: Search Committee, COFS Postdoctoral Program, Office of the Dean, HN-15, College of Ocean and Fishery Sciences, University of Washington, Seattle, WA 98195.

Wildlife Biologist, National Ecology Research Center, U. S. Fish and Wildlife Service, Fort Collins, CO. (11/91)

Center programs involve technology development, wildlife and endangered species research, and research on terrestrial and riverine/wetland ecosystems. This wildlife biologist position is focused on developing approaches for evaluating the cost-effectiveness of habitat management alternatives. Academic preparation and knowledge related to habitat modeling, vegetation sampling and inventory, geographic information systems, economics, computer applications, and research design are sought. Position will be filled at the GS-11 level (\$31,000). An equal Opportunity Employer. Send inquiries and requests for application materials to Peggy Colby, FWS/NERC, 4512 McMurry Ave. Fort Collins, CO 80525 (303-226-9393).

Research Assoc. Glob Change Information Center U of DE, Lewes, DE (11/91)

Research Associate I This position is primarily responsible for the daily upkeep and maintenance of a global change information database system. Responsibilities include: Assist in obtaining up-to-date information from national and international sources. Putting information into the database. Creation and maintenance of the relational database. Editing, correcting, revising and formatting textual and graphic material for on-screen presentation. Producing hard copy output of information from the data information database, including editing and formatting of relevant information, and arranging for reproduction and distribution. Responding to user needs and questions regarding the system and its contents. This position requires a Bachelor's degree related to the Sciences with several years experience in computers, computer-information networks and data information management. Position requires thoroughness and accuracy, excellent organizational skills, as well as strong written and verbal skills. A knowledge of, or an ability to learn, computer networking, electronic mail, VAX/VMS, DOS, MAC, WordPerfect, Ingres, SQL. The use of a spreadsheet program is required. Salary is \$21-24,000 (plus excellent benefits) commensurate with background experience. The incumbent should be highly flexible, able to work both independently with little supervision as well as within a team. Please send resume to Doris Manship, University of Delaware, College of Marine Studies, Lewes, DE 19958.



Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 3

February 3, 1992

Schedule of Events February 3-9, 1992

MON		
TUES	1700	Soundings Entries Due to Jeri
WED	1200	MSRC Weekly Seminar, Challenger 165 "Why should the Peconic Bay ecosystem be perserved?" Steven Englebright, Museum of LI Natural Sciences
THU	1000 1100	Kodak Copier Training Session Kodak Copier Training Session
FRI		

EMPLOYMENT SOUGHT

Karen Hunt, an undergraduate student from the U. of Glasgow, is seeking employment in the area of biological oceanography when she graduates in July. Her resume is on file in the Main Office.

WORKSHOPS AND CONFERENCES

Modern Carbonate Environments, Diagenesis, Soil Formation and Pleistocene Analogs, sponsored by NSF Undergraduate Faculty Enhancement Program, June 15-28 on San Salvador Island, Bahamas. Application deadline February 15.

TIMESHEETS DUE

Timesheets for research faculty and staff and State professional staff are due February 10. If you do not receive a timesheet by February 4, please see Jeri.

State faculty must sign the roster by the check box in the Main Office by February 10.

AEROBICS AT MSRC

Tues/Thurs or Tues/Fri at 5:00 p.m. \$25.00 for 10 sessions (5 weeks). We need at least ten people. If you are interested, see Val Gerard by Friday, February 7.

RESEARCH OPPORTUNITIES

EPA is soliciting proposals to develop a framework (model) for assessing fate

and transport of contaminants in freshwater sediments. Pre-proposal deadline February 28. See Kirk Cochran for more information.

FOR SALE

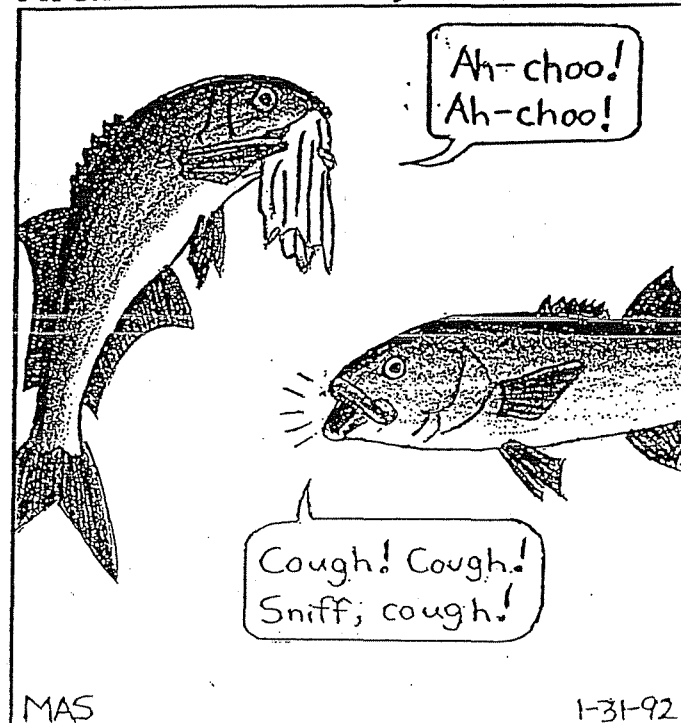
Used exercise bike - \$5.00

Ski-slider exerciser (almost new) - \$20.00

Both are negotiable. If interested, see Maryanne Wentz.

HIGH TIDE

By Michael Steinberg



Algae season in the North Atlantic.



Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 4

February 10, 1992

Schedule of Events February 10-16, 1992

MON		
TUES	1700	Soundings Entries Due to Jeri
WED	1200	MSRC Weekly Seminar, Challenger 165 "Interaction of Currents Phytoplankton and Zooplankton at the Shelf Edge During SEEP II." Charles Flagg, BNL
THU		
FRI	1530	Friday Discussion Group, Challenger 163 Gulf Stream transport of young of the year fishes from subtropical spawning grounds to temperate estuaries" Richard McBride, Rutgers

USB PHOTOGRAPHY EXHIBITION

The 4th annual faculty and staff juried photo exhibition will be held March 9-12 in the Alliance Room. Entries are due March 3 or 4 between 11:00 and 3:00.

EMPLOYMENT SOUGHT/ AVAILABLE

Ms. Isabelle Kagan, a graduate of Cornell with a B.S. in chemistry and biology, is seeking employment as a technician. Her resume is on file in the main office.

Auburn University has an opening for a research associate on an ongoing oyster project. M.S. in fishery biology or marine biology with one year of experience required.

SCHOLARSHIPS

The National Capital Shell Club will award \$1,000 to a graduate student doing work in malacology. Applications due April 30.

TIMESHEETS

Monday is the last day to submit timesheets or sign the faculty roster in order to ensure that your next paycheck will not be held by Payroll.

STONY BROOK AUTHORS AND EDITORS

President Marburger will host a reception for USB faculty and staff who have authored or edited books

with a 1991 copyright date. Forms were distributed to all faculty. If you did not get one and did author or edit a book in 1991, let Jeri know. Forms are due February 12.

HP LASERJET IIP PRINTERS

According to a notice posted on OMNET, there is a recall of all HP LaserJet IIP printers with serial numbers beginning with 2. They may have a faulty power supply that may blow and fry the whole printer. Contact your HP vendor or call HP directly at 800-835-4747 with your serial number to see if your printer is affected.

Tom Wilson

NOTES FROM THE REFERENCE ROOM

The Reference Room has received the ASFA CD-ROM update which now brings references current to September 30, 1991.

The Graduate Office has informed us that the following theses and dissertations have been bound and should be available for use in the Reference Room shortly.

A comparison of hard clam population characteristics between high and low density regions within Great South Bay. Heather V.E. Wallace

Observations of infragravity wave motion in a tidal inlet. Christopher E. Schubert

of the atmospheric deposition of semivolatile organic compounds. Peter B. Merkle

Mobility of dioxin from stabilized incineration residue in seawater. Maryanne Wente

Evaluation of mineral indices along the south shore of Long Island. Eric C. Hince

Methane production in sediments of the Hudson River Estuary. Robert O. Ranheim

The geochemistry of uranium in marine sediments. Christina E. Barnes

Marine viruses and the fate of bacteria in the ocean. Lita M. Proctor

Our spring semester hours are as follows:

Monday 9:00-7:00

Tuesday-Friday 9:00-5:00

Dialog searches by appointment.

Current Contents which we subscribe to in hard copy is also available in double density diskette. If anybody has a strong preference about whether we should subscribe to the hard copy or diskette, please let me know. We will be open on Feb. 17, 1992, President's Day, during our regularly scheduled hours.

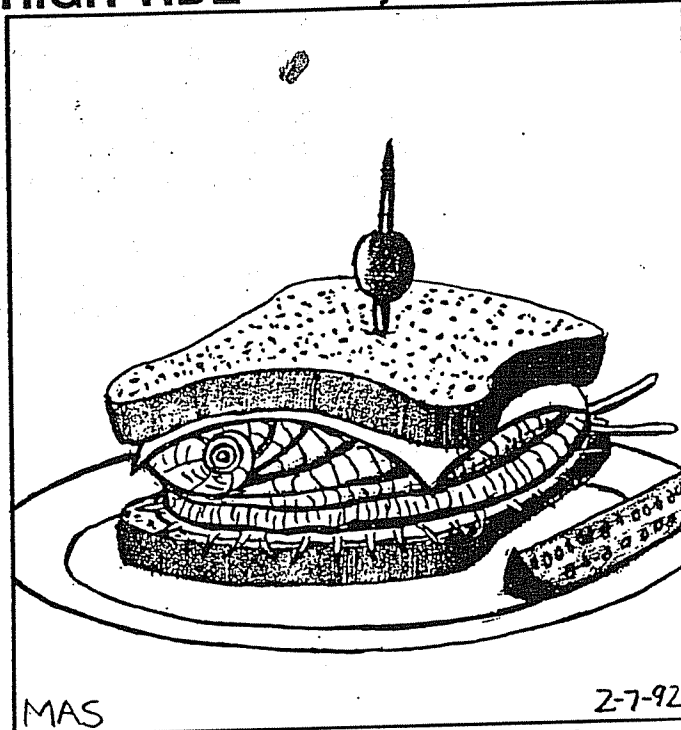
As usual, we welcome all of your comments and suggestions and wish all of you a productive semester.

FOR SALE

There is an illustrated encyclopedic dictionary on display in the main office that is selling for \$16.18. Orders are being taken at this time.

HIGH TIDE

By Michael Steinberg



2-7-92

Abalone and cheese sandwich.

1. W-2's for the 1991 calendar year include earnings paid on checks dated January 2, 1991 through December 31, 1991 (27 paychecks).
2. The 1991 W-2 form is a single sheet with instructions and explanations on the reverse side.
3. The top left of the form is a reconciliation of the gross pay to taxable wages. To calculate the taxable wages, the column with the heading "Wages, Tips and Other Compensation" starts with the gross pay and subtracts any non-taxable amounts for Tax Deferred Annuities, Deferred Compensation, Non-Taxable Maintenance, 414 (H) contributions (3% deduction for employee and Teachers' Retirement System), Non-Taxable Health and Dependent Care.
4. The column with the heading "Social Security/Medicare Wages" starts with the gross pay and subtracts Non-Taxable Maintenance, Non-Taxable Health Insurance and Dependent Care to arrive at taxable Social Security wages. For employees who reached the maximum wage base for Social Security, "\$53,400" will appear in box 12. Employees who reached the maximum wage base for Medicare, "\$125,000" will appear in box 14.
5. Non-Taxable Health and Non-Taxable Maintenance are generally reductions to taxable wages. However, when the amount is preceded by the word "REFUND" and a plus (+) sign, the amount is added to Taxable Wages. This condition occurs when the employee received a check for 1991 refunds of either Non-Taxable Health or Non-Taxable Maintenance which were reported as non-taxable in 1991. Under these circumstances, these amounts are now taxable in 1991.
6. If there is an amount in box 17, there will be a code next to it. The codes are "E" for 403 (b) contributions (Tax Deferred Annuities) and "G" for 457 contributions (Deferred Compensation).

7. If there is an amount in box 18, there will be a three letter code next to it. These codes are explained on the reverse side of the W-2. The codes are "UTA" for Uniform/Tool Allowance, "EXP" for non-overnight Meal Allowances and "EDA" for Educational assistance.
8. 414 (H) Contributions are exempt from Federal Income Tax only. These contributions are still subject to New York State, New York City and Yonkers taxes.
9. An employee who has worked for more than one State agency during 1991 will receive a W-2 form from each agency. Each W-2 will show the withholding and Social Security/Medicare deductions made during the respective employment periods.

Please consult your tax advisor or accountant for specific advice.

EMPLOYMENT

Employment announcements are a service of the WAN Newsletter. The date in parentheses at the end of the first line of each job/fellowship notice indicates the month the item was received. We will run each notice for two issues. Other sources you may want to check are: Environmental Careers Bulletin, 11693 San Vicente Blvd., Suite 327, Los Angeles, CA 90049. Free to environmental professionals. (213) 451-1889, and The Job Seeker, Rt 2, Box 16, Warrens, WI 54666.

Branch Chief, Ecological Effects Branch, Office of Pesticide Programs, EPA, Washington, DC (1/92)

Strong manager and expert in the areas of fisheries and wildlife biology, to lead, develop, oversee and act as a spokesperson for scientific and regulatory policy in ecological risk assessment and related areas.. Other qualifications include: excellent writing and verbal communication skills. The position as a GM-15 level (61,646-80,138). Please send a SF-171 and a list of college courses to: Rachel Jones, Environmental Fate and Effects division (H7507C) US EPA, 401 M street, SW, Washington, DC 20460. 703-305-6467. Applications should be postmarked no later than 2/15/92.

Director of Science Development, The Nature Conservancy, Arlington, VA (1/92)

This position oversees all aspects of private fund raising for the Nature Conservancy's Science Division. A minimum of 3-5 years senior-level fundraising and capital campaign experience. In addition, a commitment to conservation, excellent management and communication skills, creativity, and flexibility to handle varied tasks and to work with a variety of people are essential. Send resume and cover letter including salary requirements to: Paul Martin, The Nature Conservancy, Department DWS, 1815 North Lynn Street, Arlington, VA 22209.

Principal Investigator in Wetland Ecology, The National Wetlands Research Center, US Fish and Wildlife Service, LA (1/92)

Individuals should apply who have training and experience in: processes (hydrology, sedimentation, or nutrient cycling) important in the maintenance and development of wetlands, physiological or community ecology of submerged, emergent or forested wetland plants, or ecosystem modeling with emphasis in physiological plant processes, hydrodynamics or biogeochemical modeling. Candidates will be joining scientists in Lafayette, Louisiana, with research interests in global climate change, landscape ecology, ecosystem modeling, plant population biology, community ecology, and restoration and management encompassing bottomland hardwood forest habitats, emergent wetlands, and submerged aquatic plant communities. Contact: Virginia Van Sickle, NWRC. 1010 Gause Blvd., Slidell, LA 70458 (318) 231-5915.

Aquatic Research Ecologist, The National Park Service, Porter, IN (1/92)

Responsible for investigations in own area of expertise (water quality, ecotoxicology, community or ecosystem research is preferred). The individual will also prepare research proposals, administer research contracts and provide oversight for the park's water quality monitoring program. Must have earned PhD or equivalent combination of graduate education and experience. The position is at the GS-12 level; salary range 38,860-50,517. Applications must be postmarked by 1/24/92 to: Dr. Richard Whitman, Chief Scientist, Research Division, The National Park Service, Indiana Dunes National Lakeshore, Porter, IN (219) 926-7561.

Summer Science Journalist, The American Association for the Advancement of Science, Washington, DC (1/92)

Seeking students in the natural and social sciences and engineering to apply for the 1992 Mass Media Science and Engineering Fellows Program. Fellows work as reporters, researchers and production assistants for 10 weeks during the summer at newspapers, magazines, and radio and television stations nationwide. A weekly \$400 stipend is awarded plus travel expenses paid. For information and application: Mass Media Science and Engineering Fellows Program AAAS, 1333 H Street, NW, Washington, DC 20005, Application Deadline 1/15/92

Hudson River Foundation Fellowships, NY (1/92)

Doctoral Fellowships sponsor doctoral research on topics of environmental, ecological, and public health concern to the Hudson River Estuary. The fellowships provide a stipend of \$11,000 plus \$1000 toward supplies. Applications must be received by March 15, 1992. Undergraduate and graduate research projects in ecology (chemical, physical, biological), and public policy aspects of the Hudson River estuary are supported through Tibor T. Polgar Fellowships. Summer salaries of \$3500 and limited research funds will be provided. Sponsoring professors will receive a \$250 stipend. Proposals must be submitted by March 1, 1992. Information on how to apply is obtained by requesting the foundations annual Program Plan: The Hudson River Foundation, 40 West 20th Street, Ninth Floor, New York, NY 10011, (212) 924-8290.

EMPLOYMENT

Tenure Track Positions in Marine Organic Chem. or Organic Geochem. and Marine Toxicology, UMass, Boston, MA (1/92)
A PhD is required for these two positions which begin September 1, 1992. Evidence of a strong research program, successful teaching, and direction of graduate students (or promise of same) required. Teaching and advising primarily at graduate level. Rank open: competitive salary and benefits. Send resume, cover letter, and three references to: Chairperson, Search Committee, Environmental Sciences Program, UMass-Boston, Boston, MA 02125-3393. Applications received by 1/31/92 are given priority consideration.

Postdoctoral Fellowship Program, Oakridge, TN (1/92)

Alexander Hollaender fellowship positions are sponsored by the Department of Energy, office of health and environmental research. These present research opportunities in energy related life, biomedical, and environmental sciences. Stipends of 37,000 are offered. The candidate must have received their PhD no earlier than April 1, 1990. Send applications to: Hollaender Postdoctoral Fellowships, Science/Engineering Education, Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge TN 37831-0117 (615) 5786-4805. The deadline for applications is 1/15/92

President, New York State Energy Research & Development Authority, Albany, NY (1/92)

The Authority is a public benefit corporation with programs in energy and related environmental research, radioactive and hazardous waste management and tax exempt bond financing. The successful candidate will have a commitment to public service, a proven track record of leadership in an energy/environment/economic development setting, and strong management skills, with the ability to development setting, and strong management skills, with the ability to develop cost-efficient quality programs. Five years senior management experience including policy development, demonstrated public policy sensitives, strong communication skills and an advanced degree required. Financing experience is a plus. Salary in the \$80s and good benefits package. Send a resume, fully describing training and experience to NYS Energy Research and Development Authority, Attn: JCK Two Rockefeller Plaza, Albany, NY 12223.

NOAA RIF IN ANCHORAGE - MARINE SCIENCE POSITIONS WANTED (1/92)

The Department of Interior/Minerals Management Service (MMS) has funded the National Oceanic and Atmospheric Administration's (NOAA) Outer Continental Shelf Environmental Assessment Program (OCSEAP) in Alaska since 1974. Due to recent funding cuts imposed by MMS, NOAA is terminating OCSEAP and permanently closing the Arctic Environmental Assessment Center (AEAC) located in Anchorage, Alaska. The Department of Commerce/NOAA is planning a formal reduction-in-force (RIF) and seven (7) full-time permanent marine scientists and support staff will be displaced by the closure, which will occur on or about February 3, 1992. NOAA is attempting to place all affected personnel. The following positions are being abolished and NOAA would appreciate any and all assistance in helping to place affected employees in similar positions: GM-1360-14 Supervisory Oceanographer; GS-0401-13 Biologist; GM-0345-13 Program Analyst; GS-1360-13 Oceanographer; GS-1360-13 Oceanographer; GS-0482-13 Fishery Biologist; GS-0334-12 Computer Systems Programmer. Inquiries may be directed to: Dr. M. Jawed Hameedi, National Oceanic and Atmospheric Administration, National Ocean Service, Arctic Environmental Assessment Center, Grace Hall, Suite 300, 4230 University Drive, Anchorage, Alaska 99508-4626, (907)-271-3033 or FTS 868-3033, Fax: (907)-271-

Global Change Research Program Coordinator, Washington, DC (1/92)

Science and Technology Corporation (STC), has a physical scientist position for research program coordination within the Global Energy and Water Cycle Experiment (GEWEX) International Programme Office, Washington, DC. GEWEX is an international programme with many related global change research projects involving hydrology, meteorology, radiative transfer, remote sensing (satellite & ground-based), model ling, and database development. An advanced degree in a physical science and government/university programme coordination experience is required. Send resume and salary requirements to: Science and Technology Corp. Attn: Personnel Manager (C. Deepak), 409 Third St. S.W. Suite #203, Washington D.C. 20024. Contact Dr. Paul Try, at (202) 863-0012 or INTL.GEWEX/OMNET for details.

Marine Technician, Louisiana Universities Marine Consortium (1/92)

Candidates should be able to demonstrate that they possess a sound background in the installation, maintenance, calibration and underway operation of environmental sensing instrumentation aboard oceanographic research vessels. Individuals having experience with ALPKEM's RFA/2 auto analyzer, CTD/rosette, ADCP, sub-bottom profiler, fluorometer, D.O. sensors, and classical hydrographic sampling equipment and techniques are desired. Familiarity with IBM-PC compatibles, data processing and instrumentation interfacing will also be required. A Bachelor or Associate degree in Oceanography, Marine Science or Technology is desired. Equivalent professional experience may be accepted. Salary will be commensurate with experience. Resumes and letters of interest may be submitted to: Steve Rabalais, Marine Superintendent, LUMCON 8124 Highway 56. Chauvin, Louisiana 70344 (504) 851-2800

EMPLOYMENT

Physical Scientists/Programmers, Mission Research Corporation, One Tara Blvd, Nashua, NH 03062 (1/92)

Attn: Dr. Russell A. Armstrong or Dr. John P. Kennealy MRC/Nashua is seeking 1-2 Physical Scientists with programming skills to contribute to multi-year programs of research and development in (1) data analysis planning of space-based radiance data sets, (2) atmospheric and space backgrounds radiance modelling and (3) development of novel imaging techniques for data and model presentation. The positions require a Ph.D. or M.S. in physics, astronomy or related area as well as literacy and experience in FORTRAN ("C" is also helpful). Experience with UNIX-based workstations, processing large satellite-based data sets, image processing and/or atmospheric/space radiance modelling is helpful. U.S. citizenship desired. Please send resumes and name/address/telephone numbers of three references to the above address. Positions are available immediately.

Physical Oceanographer, Goddard Space Flight Center (1/92)

The Universities Space Research Association, in collaboration with the Laboratory for Hydrospheric Processes at NASA Goddard Space Flight Center has an opening for a scientist with an interest in global ocean circulation research. The selected applicant will participate in ongoing Goddard activities focused on global ocean circulation, the transport of heat, and the coupling between the atmosphere and the ocean through the use of satellite altimeter measurements (TOPEX, ERS-1, and Geosat), basin scale ocean circulation models and global coupled ocean-atmosphere models. Applicants must have a Ph.D. in physical oceanography or a related field with experience in modeling oceanic and atmospheric processes. A relocation allowance is available. USRA is a non-profit university consortium, chartered to foster cooperation between universities and the U.S. Government toward the advancement of research and education in space science and technology. Applications received before March 15, 1992 will receive full consideration. For further information, contact Dr. Chet Koblinsky at 301-286-4718. Send vitae and contacts for references to: Ms. Debra F. Tank, #920, Mail Code 610.3, NASA Goddard Space Flight Center Greenbelt, Maryland 20771, (301) 286-5057

Laboratory Support Specialist, Institute of Marine & Coastal Science, Port Norris, NJ (1/92)

Reporting to the Director of Haskin Shellfish Research Laboratory, is responsible for providing technical and mechanical support to researchers involved with ecological studies of commercially important shellfish in estuarine and continental shelf ecosystems. Performs state-of-the-art instrumental analyses. Requires a bachelor's degree in biology, marine biology, or equivalent experience. Also requires approximately four years experience in equipment and hardware set-up, design, and maintenance, preferably in a research environment. Must have extensive experience with mechanical devices, computers and analytical instruments. Must have a valid driver's license. Knowledge of experimental design and scientific methodologies is preferred, as well as experience with seawater systems and algae growth. Experience with small boat handling preferred. Salary Range 26 - \$37023-49984 Retirement System - ABP (TIAA/CREF) Send resumes to Susan Patroski, Personnel, Rutgers University, Busch Campus, Administrative Services Bldg., New Brunswick, New Jersey, 08903 ATTN: Position #185

Graduate Student Positions, MS/Phd, physiological ecology of phytoplankton and bacterioplankton, Newfoundland (1/91)

Research and teaching assistantships, scholarships and fellowships are available. Applicants should contact: Dr. Richard B. Rivkin, Ocean Sciences Centre, Memorial University of Newfoundland, St. John's, Newfoundland A1C 5S7, Canada Tel. 709-737-3720, 3708 FAX: 709-737-3220

Applied Engineering Analyst position at MSRC, Washington, DC (1/92)

MSRC is an independent not-for-profit organization dedicated to the cleanup of large oil spills in the U.S. offshore and tidal waters. MSRC operates out of D.C. and 5 coastal regional offices. In addition to operating vessels and major oil response equipment, the Corporation also has a Research and Development program focused on oil spill knowledge and technological improvements. The position will assist in the identification, implementation and management of a cost effective, contract research and engineering program, emphasizing the application of appropriate science and technology to minimize overall oil spill impact. This position requires a background in engineering and physical sciences. The individual would preferably have some experience and background in environmental or ocean engineering, technology transfer and/or pollution control technologies. Knowledge of the physical marine environmental factors influencing the effectiveness of spill control hardware and other control methods would be desirable. Strong organizational and communication skills are needed. Educational experience in an appropriate field of science or engineering at the postgraduate level, or equivalent experience, is required. Familiarity with marine oil spill response operations and experience in the management of R&D programs and contracts are required. The position will be staffed at a salary level within the range of \$50-60K per year. Please mail or telefax your resume including salary history to: Mr. Marshall Van Wormer, Recruiting Officer, Marine Spill Response Corporation, 1350 I Street 1350 Eye Street, N.W., Suite 300, Washington, D.C. 20005, Fax Number: (202) 371-0401

EMPLOYMENT

Faculty Research Assistant, Solomons, MD (1/92)

Assist in field and laboratory on fish egg and larvae ecology research. Plankton, environment, predator-prey interactions. Recruitment mechanisms. NSF, Sea Grant and State of Maryland supported research on marine and anadromous fishes. Qualifications: B.S. or M.S. Field (research vessels, small boats) and/or lab experience in fisheries science/marine biology desirable. Data management and analysis skills very desirable. Salary Level: \$17,000 to \$25,000, depending upon training/experience. To Apply: Letter of application, curriculum vitae, names of three references. To: E. D. Houde, UMCEES/CBL, The University of Maryland System, P. O. Box 38, Solomons, MD 20688. Applications will be accepted until 1 March 1992. Anticipated appointment 4/1/92.

Recruit Action - GS 9-12 Computer Systems Analyst, Silver Spring, MD (1/92)

The National Marine Fisheries Service, part of NOAA, has an opening in its Silver Spring, office for the subject vacancy. We are looking for someone experienced with 4GL languages relational databases, client/server architecture, building data dictionaries and online directories, data modeling, and software conversion. NMFS manages the living marine resources (fish, whales, turtles, other marine mammals and endangered species) for the long term benefit of the nation. For additional information, call Mike Fraser, 301-713-2372.

ZEBRA MUSSEL FUNDING OPPORTUNITY (1/92)

The National Sea Grant College Program is seeking innovative, creative research projects that address aspects of the zebra mussel invasion of U. S. waters. The zebra mussel is an exotic species that has caused significant biofouling problems in the Great Lakes. Its rapid spread to a major portion of the country's freshwater and oligohaline estuarine ecosystems is underway and is of considerable concern to scientists, resource managers, and water users. If there is no Sea Grant Program in your state, you may obtain the RFP from the National Sea Grant College Program office (301-713-2431) and submit proposals directly to that office.

Executive Secretary of CCAMLR, Hobart, Australia (1/92)

CCAMLR is an international organization responsible for giving effect to the objectives and principles of a convention which provides for the conservation, including rational use, of marine living resources in waters adjacent to Antarctica. The Executive Secretary is responsible for providing scientific and administrative support to the Commission and Scientific Committee. Selection criteria include: familiarity with Antarctic affairs, experience or detailed knowledge of international organizations, a high level of managerial experience, tertiary qualifications, and language qualifications. The appointment is for four years. Salary \$64,836 to \$70,244. Send applications to the Chairman of the Commission, CCAMLR, 25 Old Wharf, Hobart, Tasmania, 7000 Australia

Director, Dreher Park Zoo, West Palm Beach, FL (1/92)

Must have good background in all aspects of zoo operations. Candidates with good development and marketing skills preferred. Salary and benefits commensurate with experience. Send letters of application to Dr. Salvatore Zeitlin, Zoological Society of the Palm Beaches, 3401 2nd Ave. North Lake Worth, FL 33461

CHAIR IN ARCTIC MARINE SCIENCE, Dept. of Oceanography, Naval Postgraduate School, Monterey, CA (12/91)

The Naval Postgraduate School (NPS) is soliciting applicants for the Office of Naval Research sponsored-Chair in Arctic Marine Science. The purpose of the Chair, now in its 17th year, is to promote involvement of members of the polar science community in research problems of interest to the naval oceanographic effort, in particular the Arctic Ocean and its peripheral seas. We are seeking applicants for the Arctic Chair for the academic year beginning October 1, 1992. The incumbent's principal duties will be to conduct research of an appropriate nature, interact with various naval organizations (e.g., the Naval Polar Oceanographic Center), teach courses to NPS students (e.g., Polar Oceanography, Underwater Acoustics, Remote Sensing, Physical Oceanography, etc.) and possibly supervise student thesis research. Teaching and research ability will be the primary considerations in the selection process. The term appointment will normally be for 12 months (October through September) but exceptions will be considered. Candidates may be from the academic, state, federal or private sector. Candidates from foreign countries are also welcome. Salary, benefits and travel budgets will be commensurate with the candidates background. For further information contact Professor Robert H. Bourke, Code OC/Bf or call (408) 646-3270/2552. Send letter of interest and curriculum vitae to: Professor Curtis A. Collins, Code OC/Co, Department of Oceanography, Naval Postgraduate School, Monterey, CA 93943-5000. Letter of interest should be received no later than February 29, 1992.

1992-93 AAAS Fellowships for Scientists and Engineers, Washington, DC (12/91)

Congressional: Fellows spend one year on Capitol Hill working with members of Congress or Congressional committees as special assistants in legislative and policy areas requiring scientific and technical input. Two fellowships will be offered, with annual

EMPLOYMENT

stipends of \$38,000. Diplomacy: Fellows work in international affairs on scientific and technical subjects for one year, either in foreign policy at the US Department of State, or in international development for the US Agency for International Development. Approximately 12 Fellows will be selected. The annual stipend varies with experience, starting at approximately \$38,000. Applicants must be US citizens. Executive Branch: Fellows work in the White House Office of Science and Technology Policy, for one or two years, providing expertise in industrial R&D, technology transfer, international competitiveness, and related issues. Candidates should have a minimum of five years of industrial experience, through mid-level and senior executives. Stipends are negotiable. Environmental: Fellows work as special research consultants with the Office of Research and Development of the USEPA for 10 weeks in the summer. The detailed, future-oriented research assists ORD in assessing the significance of long-range environmental problems. The stipend is \$900 a week. Applicants should be postdoctoral midcareer scientists and engineers, from any physical, biological, or social science or any field of engineering. The programs are designed to provide each Fellow with a unique public policy learning experience; to make practical contributions to the more effective use of science and technical knowledge in the U.S. government; and to demonstrate the value of science and technology in solving important societal problems. All Fellows participate in a rigorous orientation on the relevant congressional and executive branch operations and foreign affairs plus a year-long seminar series on issues involving science, technology, and public policy. The Congressional, Diplomacy, and Executive Branch programs begin in September 1992 (application deadline January 15), and the Environmental program begins in June (application deadline February 15). For additional program information and application instructions, write: Fellowship Programs/Directorate for Science and Policy Programs, American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005 202/326-6600

Undergraduate Fellowship in Estuarine Science, University of MD (1/92)

The University of Maryland Sea Grant College, with support from the National Science Foundation's Research Experience for Undergraduates program, will award up to 10 research fellowships to undergraduates who have finished up to 2 years of study by Spring 1992. Students will either work in the Chesapeake Biological Laboratory (Solomons, Md.) or the Horn Point Environmental Laboratories (Cambridge, Md.) and participate in the multidisciplinary marine research programs that are examining basic ecosystem processes. As members of a research team, they will take part in such studies as the cycling of nutrients and organic material within the estuary, food chain relationships, population dynamics of estuarine organisms, and complexities of estuarine water circulation. Stipends are \$3000 plus housing allowance and round trip expenses. Applicants should send a one to two page description of interest, educational plans, and expectations of the summer experience; in addition send official transcripts, list of courses in progress, and two letters of recommendation to Gail B. Mackiernan, Maryland Sea Grant Program, 1123 Taliaferro Hall, University of Maryland, College Park, MD 20742; (301) 405-6371. Application deadline is March 20, 1992.

.GRADUATE STUDENT OPPORTUNITY, University of MD (1/92)

We are seeking a graduate student interested in the behavior and ecology of fish larvae, or the effects of hydrodynamics on aquatic organisms. A large body of current ecological research has focussed on the mechanisms underlying recruitment patterns of reef fishes. Much of this work has centered on either the transport of larvae towards reefs, or the ecological interactions and habitat requirements of newly settled juveniles. Under NSF funding we will examine how active larval behaviors, physical structure, predation and hydrodynamics influence the spatial and temporal patterns of settlement of oyster reef fish in the Chesapeake Bay. The research plan involves a strong experimental approach in both the field and laboratory, as well as field sampling. We are particularly interested in a student who will focus on the hydrodynamic aspects of the study. The student must have a strong quantitative background and either a Masters degree or research experience. Flume facilities are located at the University of Maryland, College Park. Field studies and additional laboratory experiments will be conducted at the Academy of Natural Science's Benedict Estuarine Research Laboratory. Interested students should apply for admission to the graduate program in the Department of Zoology, University of Maryland, College Park, Maryland, and contact either Dr. Margaret Palmer Department of Zoology, University of Maryland, College Park, Maryland 20742, Dr. Denise Breitburg, Academy of Natural Sciences, Benedict Estuarine Research Laboratory, Benedict, Maryland 20612

University of Rhode Island Oceanography DEAN/V. PROVOST (1/92)

The Search Committee at the University of Rhode Island invites you to submit nominations and/or applications for the position of Dean of Graduate School of Oceanography and Vice Provost for Marine Programs. We are looking for candidates who will continue to encourage the growth of the Graduate School of Oceanography with a vision for the future. The position, described in the following advertisement, requires a leader with strong academic credentials and experience in marine-related research, education and service. If you know of someone who is capable of serving as Dean of the Graduate School of Oceanography and Vice Provost for Marine Programs and of providing the leadership we require, please forward the nomination to us. The materials should be directed to the committee at the address below. The Dean / Vice Provost directs the activities and administers the budget of a leading oceanographic / marine research and educational institution. A distinguished scientist whose research has attracted interna-

EMPLOYMENT

tional respect and a progressive, energetic, and skilled manager is required. Significant experience with ocean research facilities and demonstrated skills in an academic or research setting are preferred. The position requires ability to provide imaginative leadership to promote the state, national, and international role of the institution in oceanography and marine programs. The preferred starting date is July 1, 1992. Candidates should supply a curriculum vitae, a letter of interest detailing qualifications and experience, and names, addresses, and telephone numbers of four references. The committee will begin reviewing applications on January 30, 1992 and continue until the search is completed. Applications from minority and women candidates are especially encouraged. Salary commensurate with credentials. Applications and nominations should be addressed to: Dr. Richard J. Gelles, Chair, Search Committee, University of Rhode Island, P.O. Box G, Kingston, RI 02881-0806.

DEAN OF GRADUATE STUDIES, Virginia Institute of Marine Science (1/92)

The Virginia Institute of Marine Science at the College of William and Mary invites applications for the position of Dean of Graduate Studies in the School of Marine Science. The Dean of Graduate Studies reports to the Dean of the School of Marine Science, and is the senior faculty member and principal academic officer for the graduate program. The Dean of Graduate Studies is responsible for developing and administering the graduate degree programs of the School of Marine Science, preparation of the academic budget, evaluation of faculty and monitoring staff within the program, and providing the necessary leadership to assure the highest standards for curriculum, teaching and student qualifications. The successful applicant must have an understanding of and commitment to graduate education in the ocean sciences, and should possess a distinguished record of teaching and research in the field of oceanography or related field appropriate to marine science. A letter of application, curriculum vitae and the names of four references should be sent to: Dr. L. Donelson Wright, Search Chair, School of Marine Science, Virginia Institute of Marine Science, Gloucester Point, VA 23062. Review of applications will begin on February 17, and will continue until the position is filled. Nomination for the position are also invited. To ensure full consideration, letters of application and nomination should be received by the close of business on that date. Women and minorities are especially encouraged to apply. The position will be available on July 1, 1992.

TOGA COARE DATA MANAGER - UCAR, CO. (1/92)

The University Corporation for Atmospheric Research, a private non-profit organization located in Boulder, Colorado is accepting applications for the position of COARE Data Manager. TOGA COARE is a complex international investigation of air-sea interaction in the western warm water pool of the equatorial Pacific Ocean. The COARE data set will consist of observations from atmospheric and oceanographic instruments and from satellites collected primarily in an intense four-month period (November 1992 through February 1993) and of model products generated during and after the intensive field observations. The qualified candidate will coordinate and oversee all data management functions of the TOGA COARE International Project Office. He/she will work with COARE scientists to develop a complete plan for management of COARE data from collection to eventual archival of final data sets, including determination of access and distribution policies, data priorities, collection and exchange standards, and schedules. Requirements include (Level I): M.S. in earth sciences, computer science or other physical science, or equivalent work experience; experience in management of atmospheric or oceanographic data; familiarity with U.S. and international data centers and archives; familiarity with data exchange and transmission issues, including national and international standards and formats and global telecommunication systems; skill in negotiating and working effectively with scientists and data managers of many nations and agencies; and excellent oral and written communications skills. Additional requirements (Level II): Ph.D. in earth sciences, computer science, or other physical science or equivalent work experience and extensive experience in management of atmospheric or oceanographic data. This position is for a term of up to three years with possible one-year extension. Salary range: (Level I) \$59,343-\$115,000/mo, (Level II) \$61,397-\$119,500/mo. To apply, send resume and cover letter to Anna Reyna-Arcos, UCAR Human Resources Department, P.O. Box 3000, Boulder, CO 80309. UCAR is an AA/EEO employer. Refer to Job #1543 on all correspondence. IMPORTANT: Applications for this position will be accepted until 5:00 PM on February 13, 1992. IMPORTANT: Applications for this position will be accepted until 5:00 PM on February 13, 1992.

SUPERVISORY FISH BIOLOGIST

The National Fisheries Contaminant Research Center (USFWS), Columbia, MO invites applications for Chief of its Field Research Division. The Division identifies, evaluates and predicts the effects of contaminants on aquatic resources through its 8 field locations. Candidates with PhD preferred with 5 years experience with budgets, planning and management. GM-14. To be considered send application and vitae to Dr. R. Schoetger, Director, USFWS, NRCRC, 4200 New Haven Rd., Columbia, MO 65201 by Fe 7, 1992. Info: 314-875-5399.

RESEARCH FISHERY BIOLOGIST

NMFS position in Woods Hole, MA performing population dynamics research. GS-12, call Ms. McArthur at 304-441-6880 for more info. Complete description will appear in next months newsletter.



Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 5

February 17, 1992

Schedule of Events February 17-23, 1992

MON		
TUES	1700	Soundings Entries Due to Jeri
WED	1200	MSRC Weekly Seminar, Challenger 165 "UARS-Satellite measurement of stratosphere and model" Marvin Geller, Director, ITPA
THU		
FRI		

EMPLOYMENT SOUGHT/ AVAILABLE

Ms. Karen Koepp, an undergraduate from the University of Wisconsin, is seeking a summer job.

The University of Warwick, Coventry, England, has two positions available in its Unit of Ecosystems Analysis and Management. One is in the area of resource assessment with research interests in temperate and tropical coastal systems. The other is in biomathematics with research experience in modelling. Deadline is February 20.

See summary of open positions published by the American Institute of Physics, Jan. 1992. See Main Office for details.

SUMMER PROGRAMS

NSF has a summer program for undergraduates in the Juneau Icefield, Alaska and in the Atlin, B-C Yukon area. Ten \$2,200 grants will be provided for the period July 1-August 24.

NOTICES

A Student Computing Advisory Committee has been formed. This committee will address student computing needs and oversee the expenditure of the student computer fee. Members of the committee include:

Students: Marci Bortman, Sydney

Fauria, John Reinfelder, Ajit Subramaniam, Arnoldo Valle

Faculty: Robert Cerrato, Cindy Lee, Jeanette Yen

Staff: George Carroll

A new IBM-PC computer virus called Michaelangelo has been in the news lately. I have not gotten a lot of hard information on it, but it seems to be quite virulent and is reportedly spreading rapidly. The virus activation date (Michaelangelo's birthday) is also quite soon.

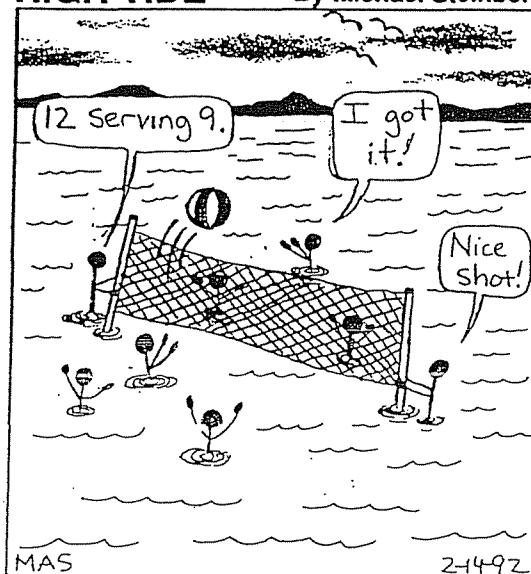
The virus scanning disk I distributed a couple of months ago DOES NOT check for Michaelangelo, but the latest version of the same software does. I have the new disk for anyone who is interested in borrowing it.

P.S. 2/13/92 I have just diagnosed a new case of the V2100 Stealth Virus on a computer at the center. This virus is quite destructive and I suggest everyone check their computers immediately.

Tom Wilson

HIGH TIDE

By Michael Steinberg



What oceanographers really use a seining net for.



Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 6

February 23, 1992

Schedule of Events February 23 - March 1, 1992

MON	1000	DVS Welcome Reception, Endeavour 113
	1200	DVS Seminar, Challenger 165 "Mineralization and Bacterial Respiration in Sediments" Bo Barker Jorgensen
TUES	1300	DVS Seminar, Challenger 165 "Diffusive boundary layers and the oxygen uptake of the sea floor" Bo Barker Jorgensen
	1500	ITPA Seminar, B-120 Physics "Large and small scale dynamics in the Mesosphere and lower thermosphere" David C. Fritts, U. of Colorado
	1700	Soundings Entries Due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "The Sulphur Cycle of Marine Sediments" Bo Barker Jorgensen, DVS
THURS	1200	DVS Seminar, Challenger 165 "Sediment optics and photosynthesis by benthic microalgae" Bo Barker Jorgensen
FRI	1045	DVS Seminar, Challenger 165 Informal Discussion About the New Max Planck Institute Bo Barker Jorgensen
	1530	Friday Discussion Group, Challenger 163 Bo Barker Jorgensen, Max Planck Institute

COPIER NOTES

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EMPLOYMENT SOUGHT

Ms. Katherine White of North Wales is seeking summer employment. She has completed two years of her undergraduate studies in Mathematics and Physical Oceanography.

FACULTY MEETING

The next faculty meeting will be held on March 9 at 1:00. Agenda items should be given to Jeri by March 3.

HIGH TIDE

By Michael Steinberg



A serious blunder at Le Cafe' Crustacea.



EMPLOYMENT

Employment announcements are a service of the WAN Newsletter. The date in parentheses at the end of the first line of each job/fellowship notice indicates the month the item was received. We will run each notice for two issues. Other sources you may want to check are: Environmental Careers Bulletin, 11693 San Vicente Blvd., Suite 327, Los Angeles, CA 90049, free to environmental professionals. (213) 451-1889, The Job Seeker, Rt 2, Box 16, Warrens, WI 54666, and the EASC Hotline (804) 441-3720.

Director of Science Development, The Nature Conservancy, Arlington, VA (1/92)

This position oversees all aspects of private fund raising for the Nature Conservancy's Science Division. A minimum of 3-5 years senior-level fundraising and capital campaign experience. In addition, a commitment to conservation, excellent management and communication skills, creativity, and flexibility to handle varied tasks and to work with a variety of people are essential. Send resume and cover letter including salary requirements to: Paul Martin, The Nature Conservancy, Department DWS, 1815 North Lynn Street, Arlington, VA 22209.

Principal Investigator in Wetland Ecology, The National Wetlands Research Center, US Fish and Wildlife Service, LA(1/92)

Individuals should apply who have training and experience in: processes (hydrology, sedimentation, or nutrient cycling) important in the maintenance and development of wetlands, physiological or community ecology of submerged, emergent or forested wetland plants, or ecosystem modeling with emphasis in physiological plant processes, hydrodynamics or biogeochemical modeling. Candidates will be joining scientists in Lafayette, Louisiana, with research interests in global climate change, landscape ecology, ecosystem modeling, plant population biology, community ecology, and restoration and management encompassing bottomland hardwood forest habitats, emergent wetlands, and submerged aquatic plant communities. Contact: Virginia Van Sickle, NWRC. 1010 Gause Blvd., Slidell, LA 70458 (318) 231-5915.

Hudson River Foundation Fellowships, NY (1/92)

Doctoral Fellowships sponsor doctoral research on topics of environmental, ecological, and public health concern to the Hudson River Estuary. The fellowships provide a stipend of \$11,000 plus \$1000 toward supplies. Applications must be received by March 15, 1992. Undergraduate and graduate research projects in ecology (chemical, physical, biological), and public policy aspects of the Hudson River estuary are supported through Tibor T. Polgar Fellowships. Summer salaries of \$3500 and limited research funds will be provided. Sponsoring professors will receive a \$250 stipend. Proposals must be submitted by March 1, 1992. Information on how to apply is obtained by requesting the foundations annual Program Plan: The Hudson River Foundation, 40 West 20th Street, Ninth Floor, New York, NY 10011, (212) 924-8290.

Tenure Track Positions in Marine Organic Chem. or Organic Geochem. and Marine Toxicology, UMass, Boston, MA (1/92)

A PhD is required for these two positions which begin September 1, 1992. Evidence of a strong research program, successful teaching, and direction of graduate students (or promise of same) required. Teaching and advising primarily at graduate level. Rank open: competitive salary and benefits. Send resume, cover letter, and three references to: Chairperson, Search Committee, Environmental Sciences Program, UMass-Boston, Boston, MA 02125-3393. Applications received by 1/31/92 are given priority consideration.

President, New York State Energy Research & Development Authority, Albany, NY (1/92)

The Authority is a public benefit corporation with programs in energy and related environmental research, radioactive and hazardous waste management and tax exempt bond financing. The successful candidate will have a commitment to public service, a proven track record of leadership in an energy/environment/economic development setting, and strong management skills, with the ability to develop cost-efficient quality programs. Five years senior management experience including policy development, demonstrated public policy sensitivities, strong communication skills and an advanced degree required. Financing experience is a plus. Salary in the \$80s and good benefits package. Send a resume, fully describing training and experience to NYS Energy Research and Development Authority, Attn: JCK-Two-Rockefeller-Plaza, Albany, NY 12223.

NOAA RIF IN ANCHORAGE - MARINE SCIENCE POSITIONS WANTED (1/92)

The Department of Interior/Minerals Management Service (MMS) has funded the National Oceanic and Atmospheric Administration's (NOAA) Outer Continental Shelf Environmental Assessment Program (OCSEAP) in Alaska since 1974. Due to recent funding cuts imposed by MMS, NOAA is terminating OCSEAP and permanently closing the Arctic Environmental Assess-

EMPLOYMENT

ment Center (AEAC) located in Anchorage, Alaska. The Department of Commerce/NOAA is planning a formal reduction-in-force (RIF) and seven (7) full-time permanent marine scientists and support staff will be displaced by the closure, which will occur on or about February 3, 1992. NOAA is attempting to place all affected personnel. The following positions are being abolished and NOAA would appreciate any and all assistance in helping to place affected employees in similar positions: GM-1360-14 Supervisory Oceanographer; GS-0401-13 Biologist; GM-0345-13 Program Analyst; GS-1360-13 Oceanographer; GS-1360-13 Oceanographer; GS-0482-13 Fishery Biologist; GS-0334-12 Computer Systems Programmer. Inquiries may be directed to: Dr. M. Jawed Hameedi, National Oceanic and Atmospheric Administration, National Ocean Service, Arctic Environmental Assessment Center, Grace Hall, Suite 300, 4230 University Drive, Anchorage, Alaska 99508-4626, (907)-271-3033 or FTS 868-3033, Fax: (907)-271-

Physical Scientists/Programmers, Mission Research Corporation, One Tara Blvd, Nashua, NH 03062 (1/92)

Attn: Dr. Russell A. Armstrong or Dr. John P. Kennealy MRC/Nashua is seeking 1-2 Physical Scientists with programming skills to contribute to multi-year programs of research and development in (1) data analysis planning of space-based radiance data sets, (2) atmospheric and space backgrounds radiance modelling and (3) development of novel imaging techniques for data and model presentation. The positions require a Ph.D. or M.S. in physics, astronomy or related area as well as literacy and experience in FORTRAN ("C" is also helpful). Experience with UNIX-based workstations, processing large satellite-based data sets, image processing and/or atmospheric/space radiance modelling is helpful. U.S. citizenship desired. Please send resumes and name/address/telephone numbers of three references to the above address. Positions are available immediately.

Physical Oceanographer, Goddard Space Flight Center (1/92)

The Universities Space Research Association, in collaboration with the Laboratory for Hydrospheric Processes at NASA Goddard Space Flight Center has an opening for a scientist with an interest in global ocean circulation research. The selected applicant will participate in ongoing Goddard activities focused on global ocean circulation, the transport of heat, and the coupling between the atmosphere and the ocean through the use of satellite altimeter measurements (TOPEX, ERS-1, and Geosat), basin scale ocean circulation models and global coupled ocean-atmosphere models. Applicants must have a Ph.D. in physical oceanography or a related field with experience in modeling oceanic and atmospheric processes. A relocation allowance is available. USRA is a non-profit university consortium, chartered to foster cooperation between universities and the U.S. Government toward the advancement of research and education in space science and technology. Applications received before March 15, 1992 will receive full consideration. For further information, contact Dr. Chet Koblinsky at 301-286-4718. Send vitae and contacts for references to: Ms. Debra F. Tank, #920, Mail Code 610.3, NASA Goddard Space Flight Center Greenbelt, Maryland 20771, (301) 286-5057

Laboratory Support Specialist, Institute of Marine & Coastal Science, Port Norris, NJ (1/92)

Reporting to the Director of Haskin Shellfish Research Laboratory, is responsible for providing technical and mechanical support to researchers involved with ecological studies of commercially important shellfish in estuarine and continental shelf ecosystems. Performs state-of-the-art instrumental analyses. Requires a bachelor's degree in biology, marine biology, or equivalent experience. Also requires approximately four years experience in equipment and hardware set-up, design, and maintenance, preferably in a research environment. Must have extensive experience with mechanical devices, computers and analytical instruments. Must have a valid driver's license. Knowledge of experimental design and scientific methodologies is preferred, as well as experience with seawater systems and algae growth. Experience with small boat handling preferred. Salary Range 26 - \$37023-49984 Retirement System - ABP (TIAA/CREF) Send resumes to Susan Patroski, Personnel, Rutgers University, Busch Campus, Administrative Services Bldg., New Brunswick, New Jersey, 08903 ATTN: Position #185

Graduate Student Positions, MS/Phd, physiological ecology of phytoplankton and bacterioplankton, Newfoundland (1/91)

Research and teaching assistantships, scholarships and fellowships are available. Applicants should contact: Dr. Richard B. Rivkin, Ocean Sciences Centre, Memorial University of Newfoundland, St. John's, Newfoundland A1C 5S7, Canada Tel. 709-737-3720, 3708 FAX: 709-737-3220

Applied Engineering Analyst position at MSRC, Washington, DC (1/92)

MSRC is an independent not-for-profit organization dedicated to the cleanup of large oil spills in the U.S. offshore and tidal waters. MSRC operates out of D.C. and 5 coastal regional offices. In addition to operating vessels and major oil response equipment, the Corporation also has a Research and Development program focused on oil spill knowledge and technological improvements. The position will assist in the identification, implementation and management of a cost effective, contract research and engineering program, emphasizing the application of appropriate science and technology to minimize overall oil spill impact. This position requires a background in engineering and physical sciences. The individual would preferably have some experience and background in environmental or ocean engineering, technology transfer and/or pollution control technologies. Knowledge of the physical marine environmental factors influencing effectiveness of spill control hardware and other control methods would be desirable. Strong

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organizational and communication skills are needed. Educational experience in an appropriate field of science or engineering at the postgraduate level, or equivalent experience, is required. Familiarity with marine oil spill response operations and experience in the management of R&D programs and contracts are required. The position will be staffed at a salary level within the range of \$50-60K per year. Please mail or telefax your resume including salary history to: Mr. Marshall Van Wormer, Recruiting Officer, Marine Spill Response Corporation, 1350 I Street, N.W., Suite 300, Washington, D.C. 20005, Fax Number: (202) 371-0401

Global Change Research Program Coordinator, Washington, DC (1/92)

Science and Technology Corporation (STC), has a physical scientist position for research program coordination within the Global Energy and Water Cycle Experiment (GEWEX) International Programme Office, Washington, DC. GEWEX is an international programme with many related global change research projects involving hydrology, meteorology, radiative transfer, remote sensing (satellite & ground-based), modeling, and database development. An advanced degree in a physical science and government/university programme coordination experience is required. Send resume and salary requirements to: Science and Technology Corp. Attn: Personnel Manager (C. Deepak), 409 Third St. S.W. Suite #203, Washington D.C. 20024. Contact Dr. Paul Try, at (202) 863-0012 or INTL.GEWEX/OMNET for details.

Marine Technician, Louisiana Universities Marine Consortium (1/92)

Candidates should be able to demonstrate that they possess a sound background in the installation, maintenance, calibration and underway operation of environmental sensing instrumentation aboard oceanographic research vessels. Individuals having experience with ALPKEM's RFA/2 auto analyzer, CTD/rosette, ADCP, sub-bottom profiler, fluorometer, D.O. sensors, and classical hydrographic sampling equipment and techniques are desired. Familiarity with IBM-PC compatibles, data processing and instrumentation interfacing will also be required. A Bachelor or Associate degree in Oceanography, Marine Science or Technology is desired. Equivalent professional experience may be accepted. Salary will be commensurate with experience. Resumes and letters of interest may be submitted to: Steve Rabalais, Marine Superintendent, LUMCON 8124 Highway 56. Chauvin, Louisiana 70344 (504) 851-2800

Faculty Research Assistant, Solomons, MD (1/92)

Assist in field and laboratory on fish egg and larvae ecology research. Plankton, environment, predator-prey interactions. Recruitment mechanisms. NSF, Sea Grant and State of Maryland supported research on marine and anadromous fishes. Qualifications: B.S. or M.S. Field (research vessels, small boats) and/or lab experience in fisheries science/marine biology desirable. Data management and analysis skills very desirable. Salary Level: \$17,000 to \$25,000, depending upon training/experience. To Apply: Letter of application, curriculum vitae, names of three references. To: E. D. Houde, UMCEES/CBL, The University of Maryland System, P. O. Box 38, Solomons, MD 20688. Applications will be accepted until 1 March 1992. Anticipated appointment 4/1/92.

Recruit Action - GS 9-12 Computer Systems Analyst, Silver Spring, MD (1/92)

The National Marine Fisheries Service, part of NOAA, has an opening in its Silver Spring, office for the subject vacancy. We are looking for someone experienced with 4GL languages relational databases, client/server architecture, building data dictionaries and online directories, data modeling, and software conversion. NMFS manages the living marine resources (fish, whales, turtles, other marine mammals and endangered species) for the long term benefit of the nation. For additional information, call Mike Fraser, 301-713-2372.

Executive Secretary of CCAMLR, Hobart, Australia (1/92)

CCAMLR is an international organization responsible for giving effect to the objectives and principles of a convention which provides for the conservation, including rational use, of marine living resources in waters adjacent to Antarctica. The Executive Secretary is responsible for providing scientific and administrative support to the Commission and Scientific Committee. Selection criteria include: familiarity with Antarctic affairs, experience or detailed knowledge of international organizations, a high level of managerial experience, tertiary qualifications, and language qualifications. The appointment is for four years. Salary \$64,836 to \$70,244. Send applications to the Chairman of the Commission, CCAMLR, 25 Old Wharf, Hobart, Tasmania, 7000 Australia

Director, Dreher Park Zoo, West Palm Beach, FL (1/92)

Must have good background in all aspects of zoo operations. Candidates with good development and marketing skills preferred. Salary and benefits commensurate with experience. Send letters of application to Dr. Salvatore Zeitlin, Zoological Society of the Palm Beaches, 3401 2nd Ave. North Lake Worth, FL 33461

EMPLOYMENT

CHAIR IN ARCTIC MARINE SCIENCE, Dept. of Oceanography, Naval Postgraduate School, Monterey, CA (12/91)

The Naval Postgraduate School (NPS) is soliciting applicants for the Office of Naval Research sponsored-Chair in Arctic Marine Science. The purpose of the Chair, now in its 17th year, is to promote involvement of members of the polar science community in research problems of interest to the naval oceanographic effort, in particular the Arctic Ocean and its peripheral seas. We are seeking applicants for the Arctic Chair for the academic year beginning October 1, 1992. The incumbent's principal duties will be to conduct research of an appropriate nature, interact with various naval organizations (e.g., the Naval Polar Oceanographic Center), teach courses to NPS students (e.g., Polar Oceanography, Underwater Acoustics, Remote Sensing, Physical Oceanography, etc.) and possibly supervise student thesis research. Teaching and research ability will be the primary considerations in the selection process. The term appointment will normally be for 12 months (October through September) but exceptions will be considered. Candidates may be from the academic, state, federal or private sector. Candidates from foreign countries are also welcome. Salary, benefits and travel budgets will be commensurate with the candidates background. For further information contact Professor Robert H. Bourke, Code OC/Bf or call (408) 646-3270/2552. Send letter of interest and curriculum vitae to: Professor Curtis A. Collins, Code OC/Co, Department of Oceanography, Naval Postgraduate School, Monterey, CA 93943-5000. Letter of interest should be received no later than February 29, 1992.

Undergraduate Fellowship in Estuarine Science, University of MD (1/92)

The University of Maryland Sea Grant College, with support from the National Science Foundation's Research Experience for Undergraduates program, will award up to 10 research fellowships to undergraduates who have finished up to 2 years of study by Spring 1992. Students will either work in the Chesapeake Biological Laboratory (Solomons, Md.) or the Horn Point Environmental Laboratories (Cambridge, Md.) and participate in the multidisciplinary marine research programs that are examining basic ecosystem processes. As members of a research team, they will take part in such studies as the cycling of nutrients and organic material within the estuary, food chain relationships, population dynamics of estuarine organisms, and complexities of estuarine water circulation. Stipends are \$3000 plus housing allowance and round trip expenses. Applicants should send a one to two page description of interest, educational plans, and expectations of the summer experience; in addition send official transcripts, list of courses in progress, and two letters of recommendation to Gail B. Mackiernan, Maryland Sea Grant Program, 1123 Taliaferro Hall, University of Maryland, College Park, MD 20742; (301) 405-6371. Application deadline is March 20, 1992.

GRADUATE STUDENT OPPORTUNITY, University of MD (1/92)

We are seeking a graduate student interested in the behavior and ecology of fish larvae, or the effects of hydrodynamics on aquatic organisms. A large body of current ecological research has focussed on the mechanisms underlying recruitment patterns of reef fishes. Much of this work has centered on either the transport of larvae towards reefs, or the ecological interactions and habitat requirements of newly settled juveniles. Under NSF funding we will examine how active larval behaviors, physical structure, predation and hydrodynamics influence the spatial and temporal patterns of settlement of oyster reef fish in the Chesapeake Bay. The research plan involves a strong experimental approach in both the field and laboratory, as well as field sampling. We are particularly interested in a student who will focus on the hydrodynamic aspects of the study. The student must have a strong quantitative background and either a Masters degree or research experience. Flume facilities are located at the University of Maryland, College Park. Field studies and additional laboratory experiments will be conducted at the Academy of Natural Science's Benedict Estuarine Research Laboratory. Interested students should apply for admission to the graduate program in the Department of Zoology, University of Maryland, College Park, Maryland, and contact either Dr. Margaret Palmer Department of Zoology, University of Maryland, College Park, Maryland 20742, Dr. Denise Breitbart, Academy of Natural Sciences, Benedict Estuarine Research Laboratory, Benedict, Maryland 20612

University of Rhode Island Oceanography DEAN/V.PROVOST (1/92)

The Search Committee at the University of Rhode Island invites you to submit nominations and/or applications for the position of Dean of Graduate School of Oceanography and Vice Provost for Marine Programs. We are looking for candidates who will continue to encourage the growth of the Graduate School of Oceanography with a vision for the future. The position, described in the following advertisement, requires a leader with strong academic credentials and experience in marine-related research, education and service. If you know of someone who is capable of serving as Dean of the Graduate School of Oceanography and Vice Provost for Marine Programs and of providing the leadership we require, please forward the nomination to us. The materials should be directed to the committee at the address below. The Dean / Vice Provost directs the activities and administers the budget of a leading oceanographic / marine research and educational institution. A distinguished scientist whose research has attracted international respect and a progressive, energetic, and skilled manager is required. Significant experience with ocean research facilities and demonstrated skills in an academic or research setting are preferred. The position requires ability to provide imaginative leadership to promote the state, national, and international role of the institution in oceanography and marine programs. The preferred starting

EMPLOYMENT

date is July 1, 1992. Candidates should supply a curriculum vitae, a letter of interest detailing qualifications and experience, and names, addresses, and telephone numbers of four references. The committee will begin reviewing applications on January 30, 1992 and continue until the search is completed. Applications from minority and women candidates are especially encouraged. Salary commensurate with credentials. Applications and nominations should be addressed to: Dr. Richard J. Gelles, Chair, Search Committee, University of Rhode Island, P.O. Box G, Kingston, RI 02881-0806.

DEAN OF GRADUATE STUDIES, Virginia Institute of Marine Science (1/92)

The Virginia Institute of Marine Science at the College of William and Mary invites applications for the position of Dean of Graduate Studies in the School of Marine Science. The Dean of Graduate Studies reports to the Dean of the School of Marine Science, and is the senior faculty member and principal academic officer for the graduate program. The Dean of Graduate Studies is responsible for developing and administering the graduate degree programs of the School of Marine Science, preparation of the academic budget, evaluation of faculty and monitoring staff within the program, and providing the necessary leadership to assure the highest standards for curriculum, teaching and student qualifications. The successful applicant must have an understanding of and commitment to graduate education in the ocean sciences, and should possess a distinguished record of teaching and research in the field of oceanography or related field appropriate to marine science. A letter of application, curriculum vitae and the names of four references should be sent to: Dr. L. Donelson Wright, Search Chair, School of Marine Science, Virginia Institute of Marine Science, Gloucester Point, VA 23062. Review of applications will begin on February 17, and will continue until the position is filled. Nomination for the position are also invited. To ensure full consideration, letters of application and nomination should be received by the close of business on that date. Women and minorities are especially encouraged to apply. The position will be available on July 1, 1992.

RESEARCH FISHERY BIOLOGIST, Woods Hole, MA (1/92)

NMFS position in Woods Hole, MA performing dynamics research. GS-12. call Ms. McArthur at 804-441-6880 for more info.

DIRECTOR, ECOSYSTEM SCIENCE, Portland, OR (2/92)

Ecotrust, a private conservation organization affiliated with Conservation International, seeks a practical experienced individual to direct its support programs in ecological and socioeconomic research and monitoring in coastal temperate rain forest communities of North America. Not an academic or research position; involves working closely with people and institutions on a collaborative basis to implement field programs. PhD in ecological science; 5 years of field and/or organizational experience. Contact: Spencer B. Beebe, President, Ecotrust, 10 SW Ash, Portland, OR 97204.

RESOURCE POLICY POSITION, Yale University, NH (2/92)

The School of Forestry and Environmental Studies is seeking an assistant or associate professor in resource policy. The candidate should have a record of research and publications. An interest in issues concerning natural resource conservation and management, or formulation and implementation of international resource policy is desired. Candidates can be trained in a variety of social science and environmental disciplines, although a political science background is preferred. Send CV and examples of professional and academic work to: Professor Stephen R. Kellert, chair, Resource Policy Search Committee, Yale University, School of Forestry and Environmental studies, 205 Prospect Street, New Haven, CT 06511. Deadline is 2/15 or until a good candidate is found. (203) 432-5114 or (203) 432-5076.

FISHERY REPORTING AIDES, MA, RI, NJ, VA, NY (2/92)

Temporary one year positions at GS-4 level (7.60 per hour), which can extend to three years. These positions do not include benefits, and do not earn sick or annual leave. June through November, Wednesday through Sunday, 12- 8:30 pm. on the docks interviewing offshore recreational large pelagic fishermen and conducting telephone surveys from the office and completing of paperwork. Applicants must have two years of experience related to the commercial or recreational fishing industry or have completed two years of college in a science-related field. Mail-federal-171-application-form, college-transcripts, and list-of-college-courses to: Dept of Commerce, EASC, 252 Monticello Ave., Room 411, Oceans Operations Branch, Norfolk, VA 23510, ATTN: Jim Sherrill. Add 92-08 to block #1. For an application package, contact Mr. Sherrill on (804) 441-6876. For further info about the position, call Harold Foster (508) 548-5123. Duty locations include: Gloucester, MA, Woods Hole, MA, New Bedford, MA, Point Judith, RI, Nacote Creek, NJ, Sandy Hook, NJ, Ocean City, MD, Hampton, VA, Long Island, NY. Closing date 4/15.

SUMMER EMPLOYMENT, MA, RI, NJ, CT, NY, DC (2/92)

Temporary one year positions at GS-2, 3, 4, and 5 level. Positions are May 18 to September 30, 1992. Typical duties include

EMPLOYMENT

working in marine science, food technology or related activities such as: sorting and identifying fish and marine organisms; preparing specimens and samples for analysis; collecting fishery statistics; participating in research cruises, abroad ocean going marine research vessels; using and maintaining scientific equipment. Entering data in a computerized data base; an general office work. Mail federal 171 application form, college transcripts, and list of college courses to: Dept of Commerce, EASC, 252 Monticello Ave., Room 411, Oceans Operations Branch, Norfolk, VA 23510, ATTN: Jim Sherrill. Add 92-08 to block #1. For an application package, contact Mr. Sherrill on (804) 441-6876. For further info about the position, call Harold Foster (508) 548-5123. Duty locations include: Gloucester, MA, Woods Hole, MA, Narragansett, RI, Sandy Hook, NJ, Hampton, VA, Milford, CT, and Washington, DC.

Cooperative Extension Marine Advisors, Eureka and Moss Landing, CA. Sea Grant Extension Program. Planning, implementing and evaluating education and applied research programs which address the needs of marine and coastal resource users. Minimum of an MS degree in a marine or related science and appropriate skills. Call Sydni Gillette 916-757-8621 for further info. Jobs close 2/21/92.

JOB ANNOUNCEMENT ASSOCIATE DIRECTOR

SUSTAINABLE BIOSPHERE INITIATIVE OFFICE

The Sustainable Biosphere Initiative (SBI) is an exciting new opportunity to work with federal agencies, academia and decision-makers at all levels in the development of defensible strategies for managing our natural resources. The Project Office for SBI is responsible for developing a leadership role in enhancing programs of biodiversity, global change, and the sustainability of our nation's renewable resources. The Office will work closely with a range of professional societies and disciplines to develop advances in research, improvements in environmental education, and enhanced application of fundamental ecological knowledge in environmental decision-making.

The SBI is a non-profit program generated by the Ecological Society of America and supported with multiple federal agency funding. The Office is seeking an experienced, well-organized, articulate Associate Director to start work in March or April.

Job Description: preparation of correspondence and manuscripts, answering requests for information about ecology and sustainable management, and representing the SBI Office at meetings with representatives of federal agencies, Committees of the National Academy of Sciences, and other scientific societies. Some travel within the United States is necessary. Experience with computers, word processing, and electronic mail is essential. Candidates should have a Masters degree or higher in a biological discipline, excellent writing abilities, initiative and good interpersonal skills. Experience in Washington, D.C., and interests in policy, resource management issues preferred.

Please send cover letter, resume, and names and telephone numbers of three references as soon as possible to Dr. James Gosz, Suite #420, 2010 Massachusetts Ave. NW, Washington, D.C. 20036. For further information, please call (202) 833-8748. FAX: (202) 833-8775. ; The Ecological Society is an equal opportunity/affirmative action employer.



Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 7

March 2, 1992

Schedule of Events March 2-8, 1992

MON		
TUES	1700	Soundings Entries Due to Jeri
WEDS	1030 1200	Executive Committee Meeting, Endeavour 139 MSRC Weekly Seminar, Challenger 165 "Estuary Plumes: Comparison between the Chesapeake Bay and the Columbia River System." William Boicourt, Univeristy of Maryland, Horn Point
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "The Single Operator Multiparameter Metabolic Analyzer (SOMMA) for the Total Dissolved Inorganic Carbon." Ken Johnson, BNL

REMINDER

The next faculty meeting will be held on March 9 at 1:00 p.m. Agenda items due to Jeri by March 4.

EQUIPMENT WARNING

Michael Steinberg was running an outdoor experiment with an expensive pump owned by the Health Department. The pump was stolen Wednesday, February 19. If you are leaving equipment outdoors unattended, lock it or bolt it to something difficult to steal.

TIMESHEETS DUE

Timesheets for research faculty and staff and state professional staff are due March 10. If you do not receive a timesheet by March 4, please see Jeri.

State faculty must sign the roster by the check box in the Main Office by March 10.

NOTES FROM THE REFERENCE ROOM

A number of faculty and students have recently requested doctoral dissertation copies from other universities around the country. In all cases, these are to be put on the yellow inter-library loan forms. Another alternative is to use a vendor called University Microfilms, Inc. which has copies of most United States dissertations and some British and Canadian doctoral dissertations. Service may be quicker, and the current charge is \$34.50 for a paper

copy.

Several faculty and students have recommended the purchase of the "Open University" series in Oceanography by Pergamon Press. We have received the following titles and they are being kept on reserve in the Reference Room.

The Ocean Basins: Their Structure and Evolution

Seawater: Its Composition, Properties and Behavior

Ocean Chemistry and Deep-Sea Sediments

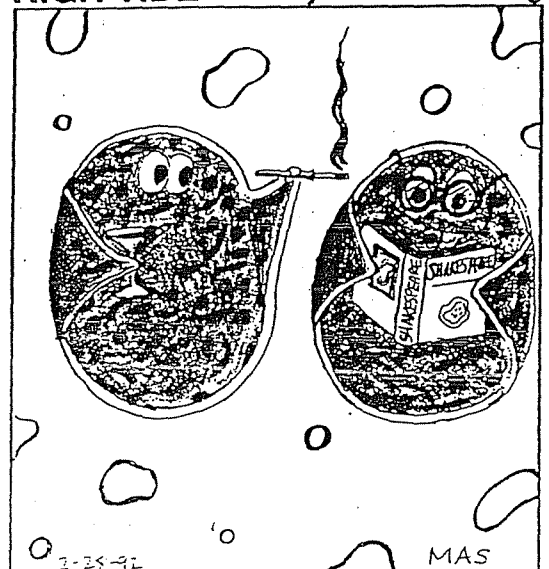
Ocean Circulation

Waves, Tides and Shallow-Water Processes

Patrick Dooley has donated to the Reference Room a number of volumes containing information and listing of postdoctoral and senior research awards at various national agencies such as NOAA. These will also be kept on reserve.

HIGH TIDE

By Michael Steinberg



Cultured Bacteria



Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 8

March 9, 1992

Schedule of Events March 9-16, 1992

MON	1300	Faculty Meeting, Challenger 165
TUES	1700	Soundings Entries Due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Population Dynamics of the Post-Settlement Phase of Oysters: Applications of a Numerical Model." John Klinck, Old Dominion University
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "Down to the Sea in a Wooden Ship: Job Opportunities Aboard the Little Jenny." Dennis Watson and Hanlu Foglino, Maritime Center on L.I.

AWARD NOMINATIONS

The Department of Student Union and Activities seeks nominations for the

1992 Senior Leadership and Service Award

1992 Elizabeth I. Couey Award

The Senior Leadership and Service Awards are given to graduating seniors who have made an outstanding contribution to campus life through leadership or community service. The annual Elizabeth D. Couey Award is given to a graduating senior who (1) has exhibited outstanding contributions towards the improvement and growth of student services and student programs at Stony Brook and (2) exemplifies Elizabeth Couey's unique qualities which include the ability to listen with understanding, guide without boundaries, give and take with love, and grow with each passing day.

Send nominations to Cheryl Cambers, Stony Brook Union, by March 20.

EMPLOYMENT OPPORTUNITIES

The Port Authority of New York and New Jersey Environmental Permitting Section has a summer internship for a graduate student who will work out of the World Trade Center in New York City for the period 1 June to about 1 September 1993. Contact Chris Zeppie (MSRC Alumnus) at (212) 435-7289.

TO STUDENTS WHO ARE CAMERA BUFFS

We need photos of your research. If you are interested in shooting both black and white and color (slides preferred) photos of your and your faculty sponsor's cruises, field trips, lab experiments, see Lori Palmer for film and technical advice.

PARKING PERMITS

The Main Office was issued 3 parking permits from Public Safety. These permits **MUST** be signed out and returned immediately after use so that others may use them. This procedure has not been followed. Once they are gone, you either walk or take the bus. See Harmut Peters for the bus schedule.

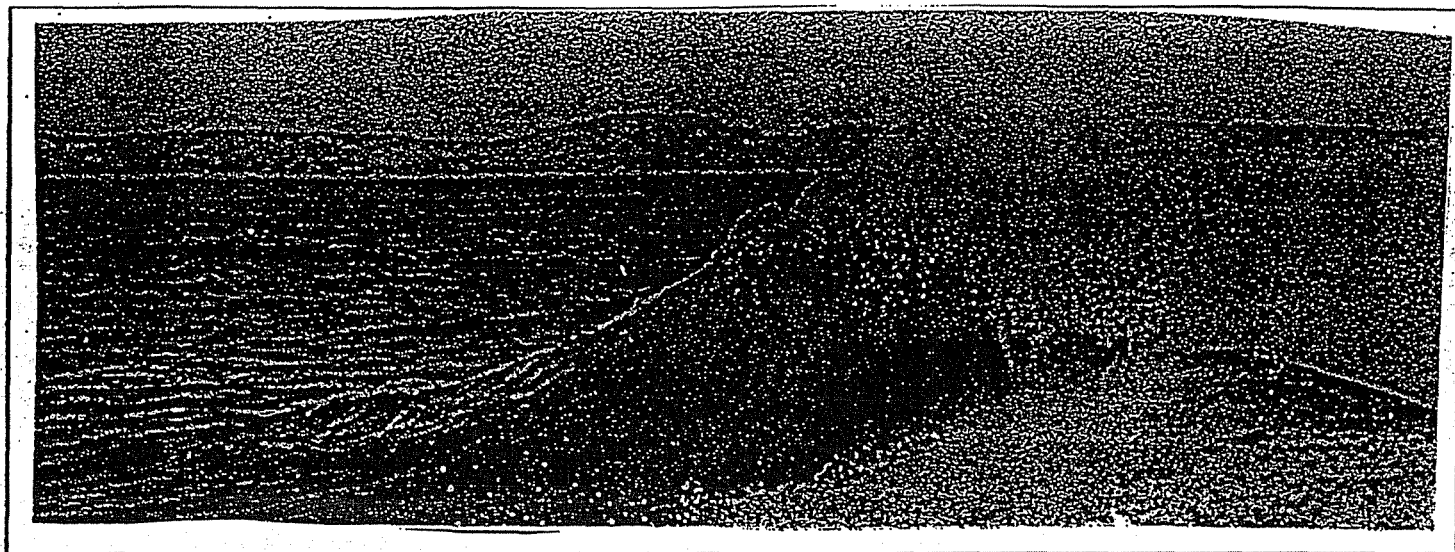


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 9

March 16, 1992

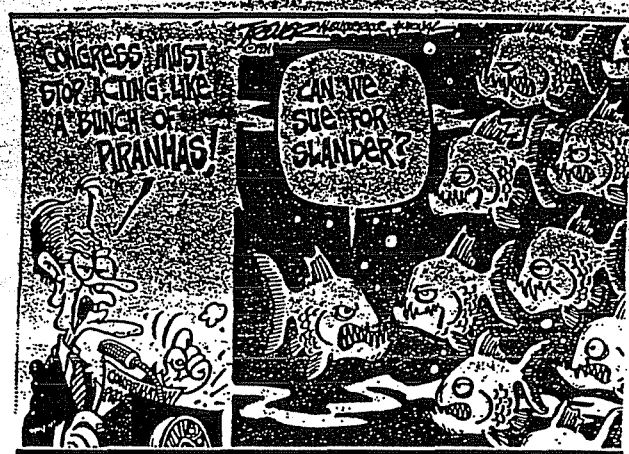
Schedule of Events March 16-22, 1992

MON		
TUES	1700	Soundings Entries Due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Do Trophic Cascades Affect Microbial Food Webs?" Michael Pace, IES
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "The Biology and Ecology of the Marine Cyanobacterium Tridhodesmium" Ed Carpenter, MSRC

EMPLOYMENT OPPORTUNITIES

The University of Maine has two openings for Environmental Education Camp Coordinators. A letter of application, resume and names of 3 references should be sent by April 13.

San Jose State University seeks a marine geologist for its Moss Landing Marine Lab for the fall 1992 semester. Application deadline: April 15.



AEROBICS AT MSRC

The second session of aerobics will begin on March 24. We will continue to meet on Tues/Thurs at 5:15 p.m. The cost is \$25.00 for 10 hours (5 weeks). If you are interested in joining us, see Val by Friday, 20 March.

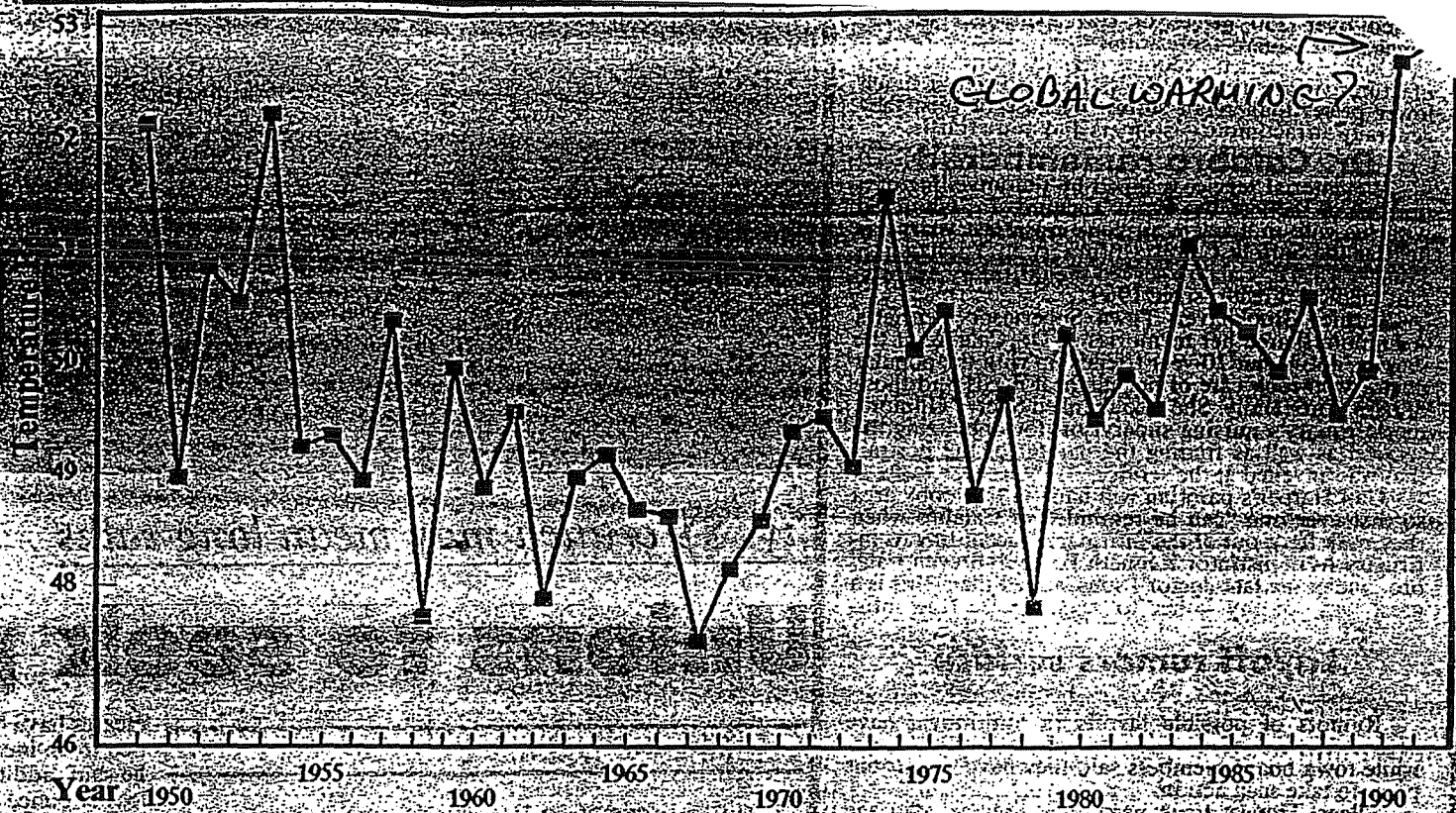
R/V CAPE HENLOPEN

Anyone interested in scheduling shiptime aboard the R/V Cape Henlopen for field work to be conducted in 1993, see Bill Wise for NSF-UNOLS shiptime request form and information about the vessel.

Dr. David W. Schindler is Killam Memorial Professor of Ecology at the University of Alberta, Edmonton. From 1968 to 1989, he founded and directed the Experimental Lakes Project of the Canadian Department of Fisheries and Oceans near Kenora, Ontario, conducting research on the effects of eutrophication, acid rain, radioactive elements and climate change on boreal ecosystems. His work has been widely used in formulating ecological management policy in Canada, the U.S.A., and in Europe.

Dr. Schindler received his doctorate from Oxford University, England, where he studied as a Rhodes Scholar. He has headed the International Joint Commission's Expert Committee on Ecology and Geochemistry, and the U.S. Academy of Sciences' Committee on the Atmosphere and the Biosphere. He has served as president of the American Society of Limnology and Oceanography, and as a Canadian National Representative to the International Limnological Society.

Author of over 140 scientific publications, Dr. Schindler has received a number of research awards, including the 1984 Outstanding Achievement Award of the American Institute of Fisheries Biologists, the 1984 Frank Rigler Award of the Canadian Limnological Society, the 1985 G.E. Hutchinson medal of the American Society of Limnology and Oceanography, and the 1988 Naumann-Thienemann medal of the International Limnological Society. He was the Baldi Lecturer at the 1987 International Congress of Limnology in Hamilton, New Zealand. He is a Fellow of the Royal Society of Canada, and a member of the Royal Society's Global Change Committee. He has received two honorary Doctor of Science degrees for his ecological work, one from North Dakota State University, and a second one awarded in 1990 from the University of Victoria. In August of 1991, Dr. Schindler was awarded the Stockholm Water Prize from the government of Sweden for his research on the acidification and eutrophication of lakes. This research has led to establishment of regulatory controls on the release of atmospheric and water borne pollutants.



Yearly average temperatures BNL (1949-1991)

1991: RECORD BREAKER —The thermometer at Brookhaven National Laboratory soared to record breaking highs in 1991, with the average annual temperature hitting 52.9 degrees, two-tenths higher than the record set in 1990. The yearly average temperature has been 49.7 degrees since 1949. According to BNL meteorologist Bob Brown, 19 new temperature highs were set, and two ties for highest temperature were made last year. Only one daily low temperature broke a record in 1991—41 degrees on September 2. The most dramatic record breakers came on February 5, when the high temperature was 69.5 degrees, 15.5 degrees higher than the previous record for the day, and July 21 with a high of 100.5 degrees, which broke a record of 96.5 set in 1980, and tied a record set July 22, 1957. Precipitation was slightly less than normal last year.

The Parking Policy Committee supports the construction of roadway and parking area curbing on the South Campus and recommends that South Campus parking continue to be restricted to holders of faculty/staff permits, visitors parking in the I-lot, and dental patients. We urge that legal parking areas be clearly designated and that parking regulation enforcement be intensified. We further recommend that efforts be made at the highest levels to elicit the cooperation of the South Campus department heads in seeking the compliance of their staffs, faculty, students, and visitors, and that publicity of the campus transportation system be heightened through enhanced signage and advertising.

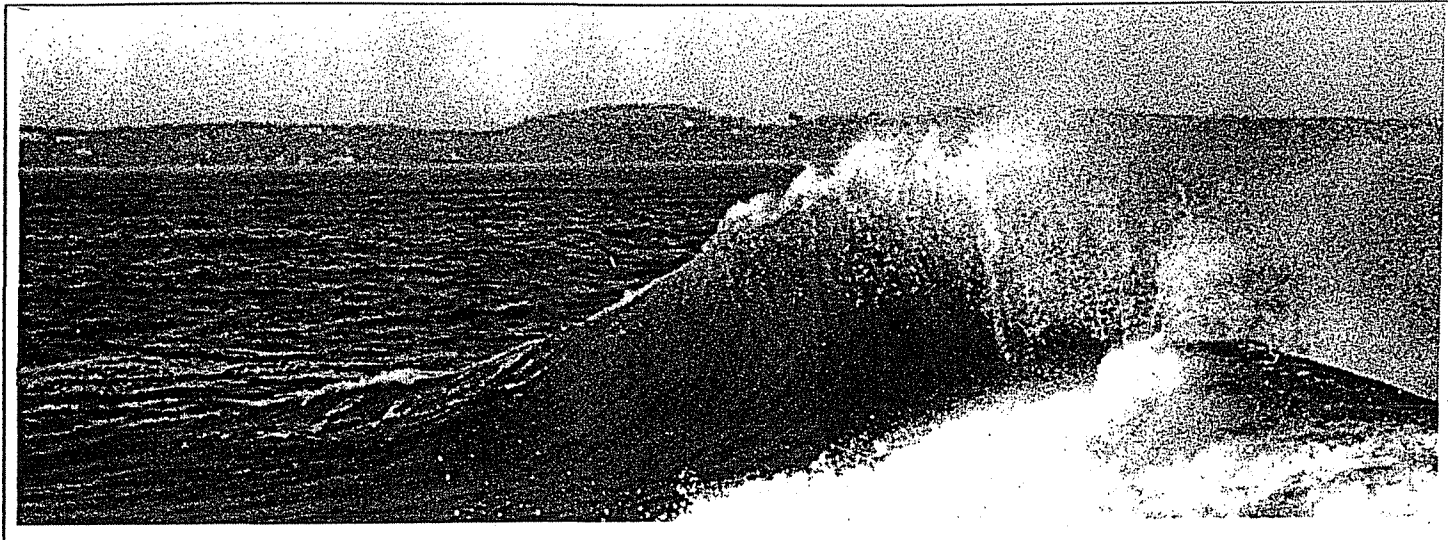


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 10

March 23, 1992

Schedule of Events March 23-29, 1992

MON		
TUES	1700	Soundings Entries Due to Jeri
WEDS		Spring Break No Seminar
THURS	1700	Annual Roger S. Brett Memorial Lecture Health Sciences Center, Level 4, Room 071 "Diving Physiology: Human Breath -hold Diving Contrasted with the Antarctic Weddell Weddell Seal" Warren M. Zapol, Harvard
FRI		

REFERENCE ROOM NOTES

The Reference Room will be open on a limited basis during March 23-March 27, 1992 (Spring Recess) because of our budget situation. Our hours will be as follows:

Monday, March 23-Wednesday, March 25, 9:00-12:45.

Thursday, March 26-Friday, March 27, 1992, 9:00-3:00.

We will resume our normal hours on Monday, March 30. If you find the Reference Room closed, you can leave all messages and InterLibrary Loan Requests in my mailbox and I will process them the next day.

Larry Herschenfeld

SEA GRANT NEWS

Sea Grant now has a bulletin board of aquatic science jobs, funding opportunities and meetings near their offices in Dutchess.

PROGRAM ANNOUNCEMENTS RECEIVED

NOAA Climate and Global Change Program target date for proposals June 1, 1992. See Kirk Cochran for further information.

SPORTS

Congratulations go out to the MSRC intramural soccer team, Men of War,

for their come from behind, 7-6 win in the first game of the season.

MVP: Jeff Schell scored the winning goal with 40 seconds left in the game.

Roster: Byron Boekhoudt, Kamazima Lwiza, Andy Matthews, Jeff Schell (captain), Michael Steinberg, Jay Tanski, Arnoldo Valle, Todd Ward.

	W	L	T
Men of War	1	0	0

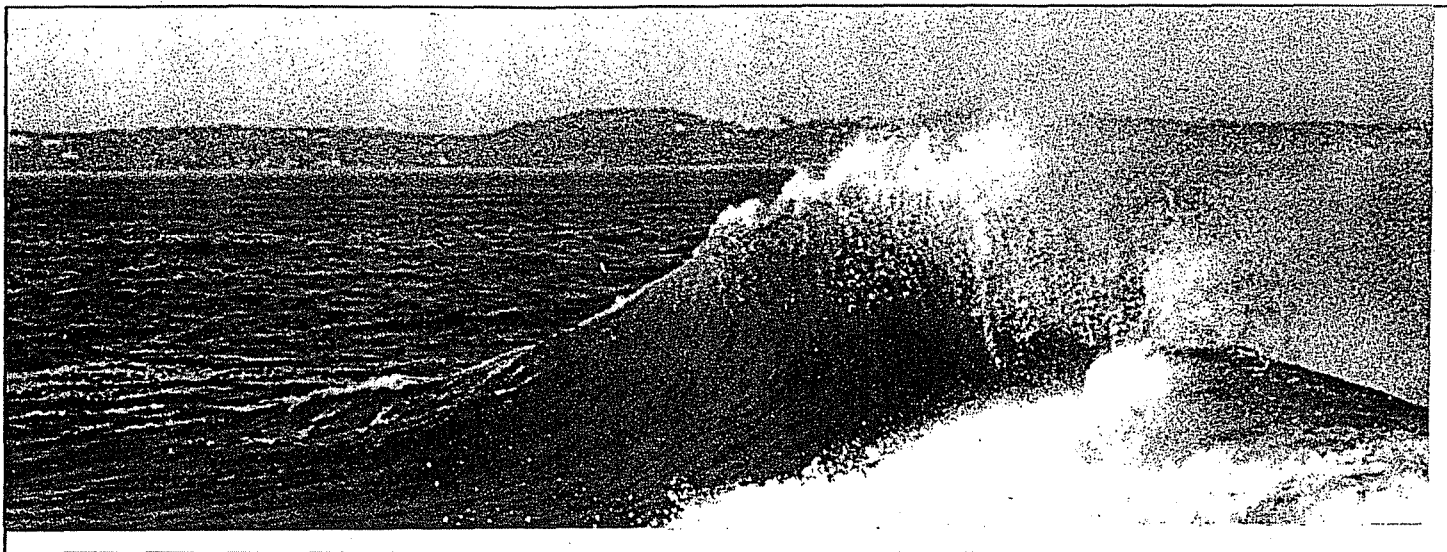


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 11

March 30, 1992

Schedule of Events March 30-April 3, 1992

MON		
TUES	1700	Soundings Entries Due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Tracking underwater odor plumes and chemical signal filters: Lessons from lobsters, Jelle Atema, Marine Biological Lab., Woods Hole
THURS	1100	Brookhaven National Laboratory, Building 55 "Role of Oceans in Greenhouse Warming" Syukuro Manabe, NOAA
FRI		

EMPLOYMENT OPPORTUNITIES

Pat O'Donnell, who received his B.S. in Biology from Hiram College, is looking for a field-oriented research assistant position. He has both teaching and research experience at University field stations. A complete resume is on file in the main office.

AN UNUSUAL OPPORTUNITY FOR AN MSRC GRADUATE STUDENT

The National Research Council has two boards that deal with the ocean: the Ocean Studies Board and the Marine Board. The former is more concerned with basic science, the latter with engineering, technology and applied science. The Marine Board would like to create an 6-12 month internship in Washington, D.C. for a graduate student who has recently completed her/his M.S. degree in marine sciences. The projects that you could be involved in include: (1) managing contaminated sediments, (2) waste disposal options, (3) an assessment of needs for submerged vehicles of all kinds, (4) an assessment of the future needs of charting and (5) beach nourishment -- the good, the bad and the ugly. If you are interested in being considered, please drop off a copy of your resume and a brief (one page) statement of how you think this experience could be helpful to you. Please bring these to the MSRC main office by 20 April 1992.

J.R. Schubel, Vice Chairman
The Marine Board

GRADUATE STUDENT NEEDED FOR MEANINGFUL AND FUN JOB WITH PAY

Need a scientist to talk about marine environment and resources aboard a cruise for "City Kids" -- a program for disadvantaged children. Cruise is scheduled from Pt. Lookout (Hempstead near Lido Beach and Long Beach) on Sunday, April 26, for a half day leaving at noon. Expenses covered plus \$50.00 bonus. Inquire with Trudy Bell.

UNUSUAL OPPORTUNITY FOR MSRC GRADUATE STUDENT

We have an unusual opportunity for an MSRC graduate student interested in pursuing a management research project for his/her M.S. thesis. The project involves the application of the concept of integrated coastal management of Mamala Bay, Hawaii.

Last year the City of Honolulu and the Sierra Club signed a Consent Decree which established a fund of \$6 million for a comprehensive study of Mamala Bay (Hawaii). The controversy which led to the settlement was a lawsuit brought by the Sierra Club against the City of Honolulu for its failure to provide secondary treatment for the City's major sewage treatment plant (Sand Island). The Consent Decree mandated the creation of the Mamala Bay Commission to oversee the design and conduct of a comprehensive three-year research program to develop the information needed to design a management plan for the Bay. One commissioner was selected by the City, one by the Sierra Club and the third had to be acceptable to both parties to the Consent Decree. Jerry Schubel is that Commissioner. At a meeting this past weekend in Honolulu it was agreed that each Commissioner would be provided with enough support for a part-time staff person. MSRC has chosen to use its funds to support a graduate student who would like to have the experience of applying the concept of integrated coastal management to Mamala Bay.

The student must be hard-working, self-starting and self-sustaining and must be capable of working as part of a team, but with very little supervision. We have full support starting with summer 1992 and extending through the fall semester of 1993. Support will include at least one, and probably two, fully-paid trips to Hawaii. The student must be interested in using the experience to his/her M.S. thesis and must be willing to assist J. R. Schubel in carrying out his duties as a Commissioner.

If you are interested, please let Jerry Schubel know by 10 April 1992.

Aloha.

JRS/srm

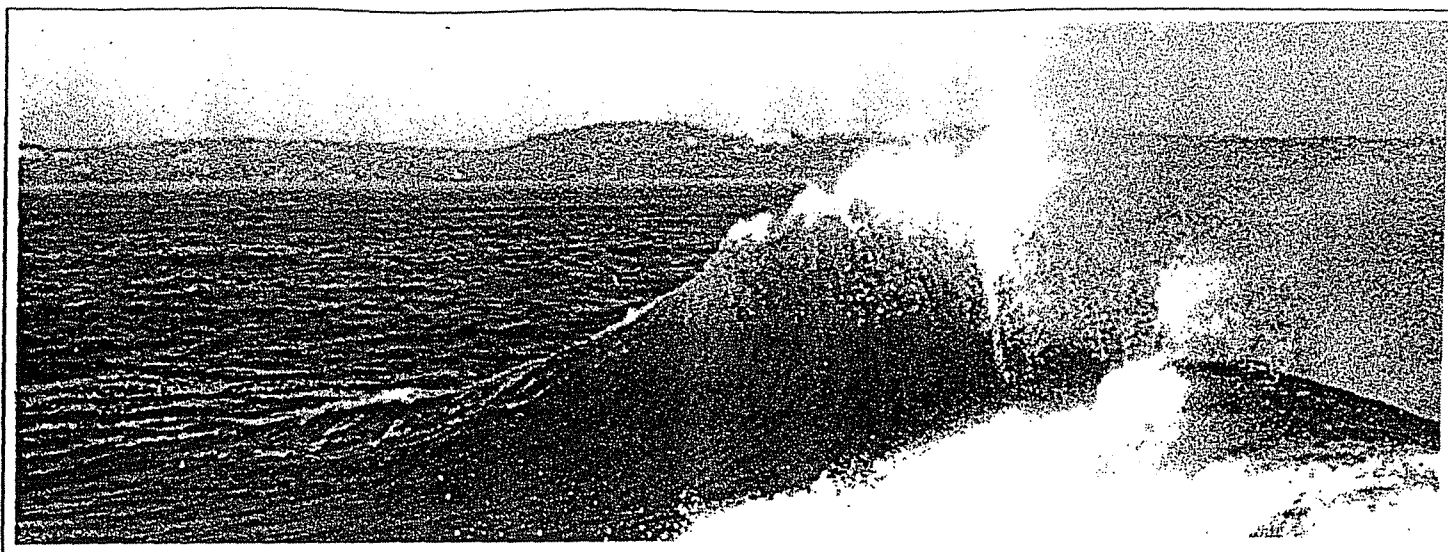


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 12

April 13, 1992

Schedule of Events April 13-19, 1992

MON		
TUES	1700	Soundings Entries Due To Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Observations and Modelling of Century-Scale Climate Fluctuations" Lawrence Mysak, McGill U.
THURS		
FRI		Friday Discussion Group, Challenger 163 "Title to be Posted" Jon Hare, MSRC

WELCOME

Please join us in welcoming Mary Klein as a new secretary in the Main Office. Mary will be responsible for the mail and faxes in the afternoon, will act as key operator for the copier in the mailroom and will order supplies. She also will serve as Bill Wise's secretary on a half-time basis but will work out of the Main Office. Please stop by and introduce yourself.

REPORTS

The Minerals Management Service has announced the release of a report entitled "Numerical Modeling Studies of the Gulf of Mexico and the Caribbean Sea Using the Bryan-Cox Model" by Wilton Sturges and Susan Welsh. Call 504-736-2897 for information.

EMPLOYMENT OPPORTUNITIES

New York Sea Grant is seeking a Project Assistant. Salary range \$28,000-\$32,000. Application deadline May 4.

National Fisheries Science Center seeks a Fishery Biologist or Ecologist for its Seattle office. Salary range \$35,264-50,516. Deadline 5/5.

The American Museum of Natural History has a research experience for undergraduates program in Evolutionary Biology. Stipends are \$2,000-2,500. Deadline April 29.

UNIX WORKSTATION "SUNHP"

A printer is now attached to the workstation. The printer will be located in the "outside" part of H. Peters' office for the time being. Owing to the general uncertainty in relocating offices and computer facilities, a permanent location for the printer has not been found yet. If technically feasible, the printer should eventually move to a public location. The printer can be addressed by standard Unix commands. It is postscript compatible. You can also send it, e.g., plain ASCII text files or Tektronix 4014 graphics files.

Although I will not be anybody's coach for learning Unix or C, I am preparing and distributing material to help users get started on the system.

Hartmut Peters

MARINE RESOURCES ADVISORY COUNCIL

Felix Edwards, erstwhile of Bob Cowen's lab and recently graduated from Polytechnic Southwest (Plymouth, U.K.) will be assisting Jerry Schubel and Bill Wise with their involvement with DEC's Marine Resources Advisory Council. Felix will be officed in Bill Wise's outer office, Discovery 155. Stop in and say hi!

PROGRAM ANNOUNCEMENT RECEIVED

EPA - Arctic Contaminants Research Program. Preproposals are solicited for research in support of (1) methods development, analysis and interpretation of selected organochlorine and pesticide compounds in the Arctic and (2) methods development, etc. for trace metals. Preproposals are due 4/20/92.

HOUSES FOR RENT

Dr. Jim Rohlf of E&E and Dr. Robert Sokal also of E&E will be on sabbatical next year and their houses are for rent. Dr. Rohlf's home is available May 22 to January 15 and Dr. Sokal's from August '92 to August '93. Details in Main Office.

A summer rental is also available -- Dr. James and Barbara Thomson are renting their house from June 1-September 1 for \$700/mo. plus utilities. Call 2-8603 or 8585 or 751-3973 if interested.

MEN OF WAR UPDATE

Last week's game roster: Byron Boekhoudt, Andy Matthews, Jeff Schell, Jay Tanski, Arnolddo Valle, ToDd Ward

Score: 5-4 in favor of Men of War

MVP: Byron Boekhoudt with an astounding game in the net, allowing

only one goal in the second half.

MEETINGS

The Great Lakes Commission will sponsor two events May 11-13 in Chicago: the first Great Lakes Groundwater Education Summit on May 11 and 12 and the 1992 Semi-Annual Meeting of the Great Lakes Commission on May 12 and 13.

NOTES FROM THE REFERENCE ROOM

Coming soon to the Reference Room is MARS (Marine Automated Retrieval System) so revolutionary and user-friendly that you will think it came from another planet.

As of April 7, 1992 the following are the names of the students, staff and faculty who hold overdue library materials and who have not responded to at least one overdue library notice.

Jing Wang, Stephen Papa, Xu-Chen Wang, Asha Divadeenan, Anne MooneyWe request that their overdue materials be returned immediately.

The Reference Room carpeting is being professionally cleaned on Saturday, April 18, 1992. In order to allow the carpeting the proper time to dry, it is imperative that nobody enter the Reference Room on that day.

Thank you.

The Reference Room has received the updated ASFA CD ROM which now

brings this databases' references current through 31 December 1991.

As part of the donation of library materials received from CBI, we received a number of recent doctoral dissertations and master's theses from Woods Hole. They will be kept on reserve in the Reference Room and I thought that our faculty and students would be interested in attached list of titles.

The list of Doctoral Dissertations^{is} and Master's Theses ~~are~~:

1. The effect of a shallow low viscosity zone on mantle flow and its expression at the surface of the earth
2. Estimation of sea surface wave spectra using acoustic tomography
3. Similarity relations of wind waves in finite depth
4. Where three oceans meet: the agulhas retroflection region
5. Development of an actively compliant underwater manipulator
6. Sexual patterns of monooxygenase function in the liver of marine teleosts and the regulation of activity by estradiol
7. Heat flow and tectonics of the ligurian sea basin and margins
8. A search for layering in the oceanic crust
9. Prediction of continental shelf sediment transport using a theoretical model of the wave-current boundary layer
10. On the role of topography and of boundary forcing in the ocean circulation
11. The entrainment and homogenization of tracers within the cyclonic gulf stream recirculation gyre
12. Analysis of certain inviscid flows on the beta plane
13. The influence of a steady baroclinic deep ocean on the shelf
14. Cenozoic deep-water agglutinated foraminifera in the north atlantic
15. Plutonium isotopes in the north atlantic
16. Acoustic mode coherence in the arctic ocean
17. Hybrid state estimators for the control of remotely operated underwater vehicles
18. A control system design technique for nonlinear discrete time systems
19. Swimming behavior and energetics of sharks
20. Molecular regulation of the induction of cytochrome P-450e in the estuarine fish fundulus heteroclitus
21. Organic nitrogen utilization by phytoplankton: the role of cell-surface deaminases
22. Mass, heat and nutrient fluxes in the atlantic ocean determined by inverse methods
23. Multisensory modeling underwater with uncertain information
24. An organic Geochemical approach to problems of glacial-interglacial climatic variability
25. Geostrophic vortex dynamics
26. Improvement of three dimensional acoustic field estimation using tomographic reconstructions of the ocean
27. Application of seasat altimetry to tectonic studies of fracture zones in the southern oceans
28. Exact reconstruction of ocean bottom velocity profiles from monochromatic scattering data
29. Evaluation of GEOSAT Data and application to variability of the northeast pacific ocean
30. Registration and variability of side scan sonar imagery
31. Measurements of a barotropic planetary vorticity mode in an eddy-resolving quasi-geostrophic model using acoustic tomography
32. The biogeochemistry of 210pb and 210po in fresh waters and

- sediments
33. The kinetics and thermodynamics of copper complexation in aquatic systems
 34. The hilbert-hankel transform and its application to shallow water ocean acoustics
 35. Laser diffraction particle sizing: sampling and inversion
 36. Thermally driven circulation
 37. Helium and lead isotope geochemistry of oceanic volcanic rocks from the east pacific and south atlantic
 38. The tectonics and three-dimensional crustal structure of spreading centers: microearthquake studies and tomographic inversions
 39. Rates of vertical mixing, gas exchange, and new production: estimates from seasonal gas cycles in the upper ocean near bermuda
 40. Evolution of icelandic central volcanoes: Evidence from the austurhorn plutonic and vestmannaeyjar volcanic complexes
 41. Acoustic diffraction from a semi-infinite elastic plate under arbitrary fluid loading with application to scattering from arctic ice leads
 42. Diffusion of helium isotopes in silicate glasses and minerals: implications for petrogenesis and geochronology
 43. Efficient representation of the hydrographic structure of the north atlantic ocean and aspects of the circulation from objective methods
 44. An investigation of the marine geochemistry of gold
 45. Comparison study of SEASAT scatterometer and conventional wind fields
 46. Mixing and general circulation dynamics: theory and observations
 47. Design and performance analysis of a digital acoustic telemetry system
 48. A model/wkb inversion method for determining sound speed profiles in the ocean and ocean bottom
 49. Observations and modelling of deep equatorial currents in the central pacific
 50. Particle flux in the western black sea in the present and over the last 5,000 years: temporal variability, sources, transport mechanisms
 51. A prony algorithm for shallow water waveguide analysis
 52. Tomographic measurements of barotropic motions

24-Mar-1992 Tue 10:55

GENERAL INFORMATION

UUP BUDGET UPDATE HOTLINE PHONE # - 800 - 343 - 1377.
CALL FOR THE LATEST INFORMATION

TO: Chapters & Executive Board
FROM: Tim Reilly
SUBJECT: Optional Retirement Program Legislation

Governor Cuomo has signed A-9349-A/S-6887-A thus indicating his approval of its entry into the laws of 1992.

There is struggle ahead, but there is time to pause and consider how the campaign to get to this point was put together. NYSUT has been indispensable and supportive from the first moments last April when the Comptroller called me to alert us to the problem of linkage. Every member who wrote letters or made telephone calls helped make clear that an attack on pensions is outrageous. Day-to-day lobbying and letter writing put together unanimous support for our bill in both houses of the Legislature. Difficult discussions paved the way for gubernatorial support for this bill, even though the Governor vetoed our last attempt in August.

That veto, by the way, should remind us all how hard the fight has been up to this point, how hard it will be yet. /

OK, that's enough reflection. Back to work. Spread the word please to all members, to M/C too, if they are in TIAA-CREF. We have the opportunity now for a real fight. The union did it.

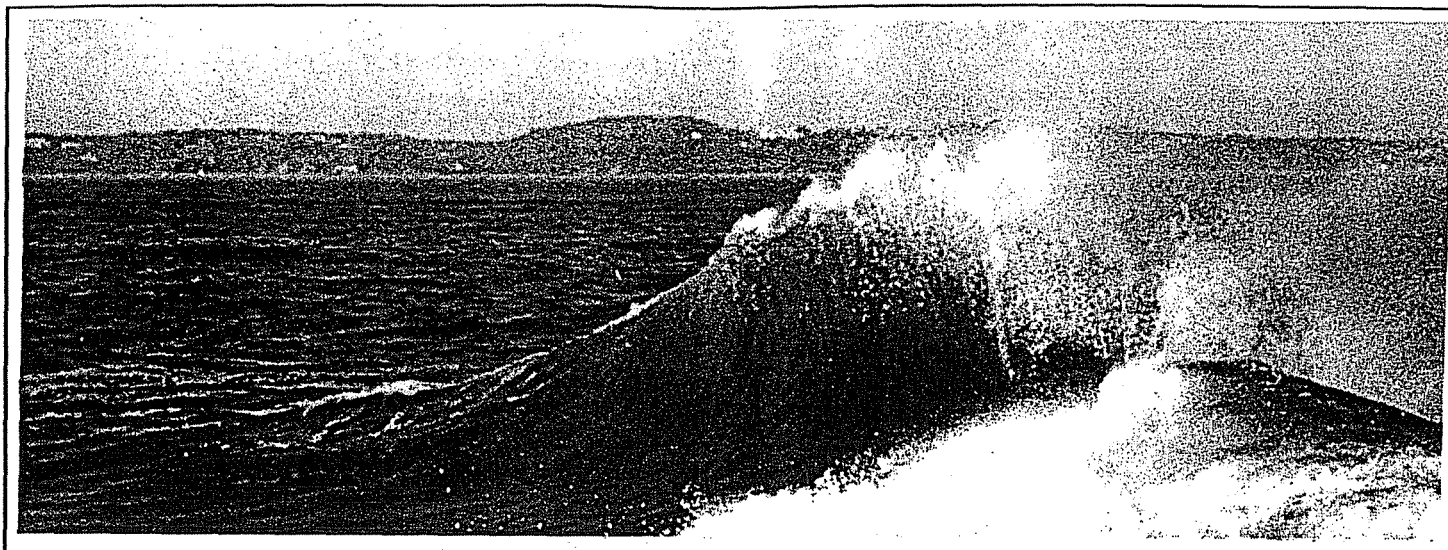


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 13

April 20, 1992

Schedule of Events April 20-26, 1992

MON		
TUES	1700	Soundings Entries Due To Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Fine-Scale Physical-Biological Interactions" Percy Donaghay, URI
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "Sulfur Cycling in Marine Microbial Mats" Peter Vischer, U of Miami
SAT		MSRC OPEN HOUSE

STATE PURCHASING DEADLINE

All purchase requisitions against State funds must be submitted by May 29 for the current fiscal year which ends June 30.

EMPLOYMENT OPPORTUNITIES

The Monterey Bay Aquarium seeks applicants for two positions in Marine Geology at the Assistant, Associate, or Senior Scientist level. Ph.D. desired with research program in sedimentary geology/sediment transport or in structural/hydrogeology.

RESEARCH TRAVEL INFO.

Payments to Research Foundation employees for non-overnight meal expenses will be included in the employee's paycheck as gross income and reported on the employee's Wage and Tax Statement (IRS Form W-2). In addition, taxes will be withheld and related fringe benefits must be charged to the account from which the employee is paid.

FACULTY DATA SURVEY FORM

University News Service has produced a "Media Resource Guide," a directory to help editors, producers and reporters get in touch with faculty who can provide authoritative comment or breaking stories and current trends. A second edition is being planned and a survey form has been distributed to faculty. Only those who respond to the survey will be included in the

directory. Deadline for submission of the form is May 1.

VOLUNTEERS SOUGHT

Soundwaters is seeking volunteers for its Floating Classroom program -- photographers, secretarial, and crew for the boat. Call 203-687-8874.

MAN OF WAR UPDATE

Last week's game:

Men-of-War 4

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W L T

4 0 0

MVPs: Arnolando Valle played an excellent second half in net, not allowing any goals. Jeff Schell scored twice.

THE UNKNOWN ZONE

As of April 15th, 1992, the MSRC Alumni Association has no good mailing addresses for the following MSRC graduates. "Year" below refers to the year of a person's degree. Anyone knowing the whereabouts of these people please drop me a note. Although any information will be appreciated, with 325 (!) MSRC alumni to keep track of, a real mailing address is most helpful. Thanks.

Tom Wilson, MSRC Alumni Association Secretary

MS STUDENTS	YEAR	MS STUDENTS	YEAR
Joseph J. Andrea	1975	Matthew Monetti	1991
Joanne R. Arenwald	1987	John A. Nicholson	1983
Michael S. Brim	1972	Mary Ann O'Hare	1987
John Budin	1981	Judith M. O'Neil	1987
Dake Chen	1990	Carrie Paige	1984
Gordon R. Chu	1981	Anwar Quadri	1989
Fran Costa	1989	David D. Reese	1982
Patrick D. Crosland	1974	David M. Riper	1978
Cynthia G. Dietz	1982	Marco A. Salamanca	1988
Suzanne E. DiPiero	1983	David Sarokin	1981
Stephen R. Dorne	1972	William J. Schnieder	1974
Philippe Douillet	1984	Donald S. Stanton	1975
Michael P. Gaertner	1976	Joanne J. Suda	1974
Mark Green	1991	Kenneth Swider	1988
Hashali Hamukuaya	1991	Pitiwong Tantichodok	1990
Eric Hince	1991	Tzu-Chiu Teng	1972
Randolph K. Hinz, Jr.	1974	Hamilton T. Tewksbury	1985
Richard E. Hoffman	1987	Penny Weissman	1991
Walman Hutahaeen	1990	Saou-Lien Wong	1989
Alan Z. Kao	1974	Qing Xia	?
William E. Knapp	1974	Xiaohua Yang	1991
Irma Lagomarsino	1990	Robert Zimmer	1991
Yu-Jean Liang	1971		
Seth T. Low	1973	PHD STUDENTS	YEAR
Anna Matteoda	1986	Vladimir G. Koutitonsky	1985
Lawrence McTiernan	1989	Sanghoon Lee	1990
Cindy Monaco	1990	In-Young Ahn	1990

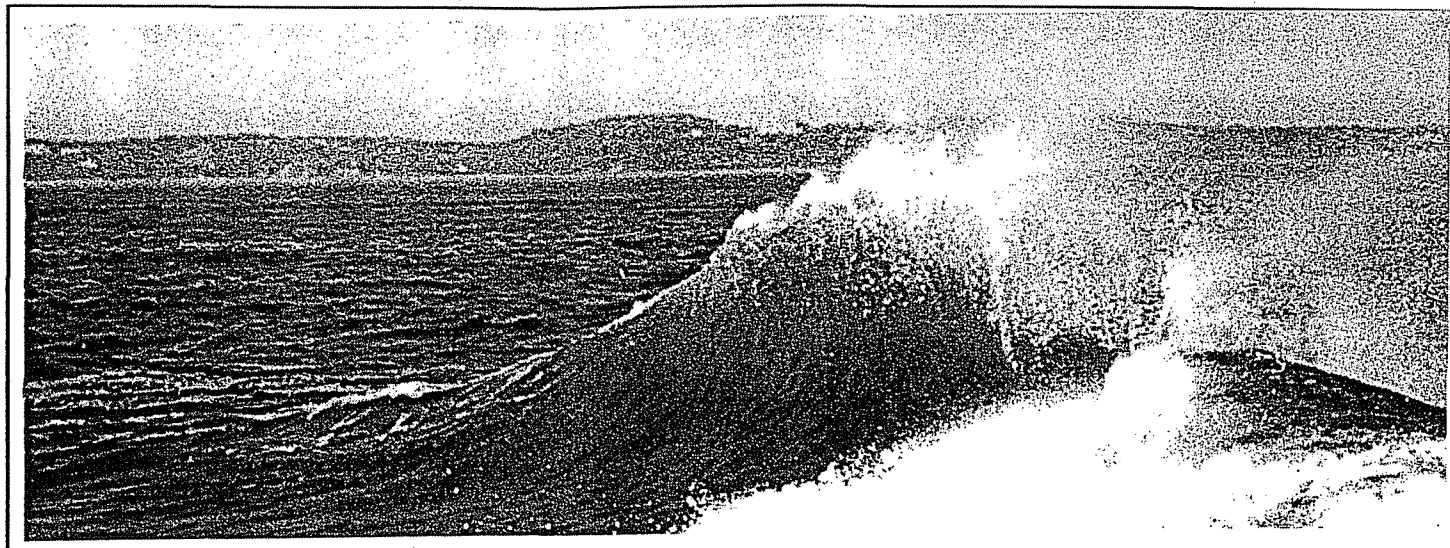


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 14

April 27, 1992

Schedule of Events April 27-May 1, 1992

MON		
TUES	1400	ITPA Seminar, Physics B-120 "Does the atmosphere contribute to decadal variability of climate" Anthony DelGenio, NASA
	1700	Soundings Entries Due To Jeri
WEDS	1030	Faculty Meeting, Challenger 165
	1200	MSRC Weekly Seminar, Challenger 165 "Phytoplankton exchange across the shelf/slope boundary of the New York Bight" Creighton Wirick, BNL
THURS		
FRI	1400	ITPA Colloquium, Challenger 165 "Global Warming: Feedbacks, Water Vapor, Ocean Delays, and Volcanos" Richard S. Lindzen, MIT
	1530	Friday Discussion Group, Challenger 163 "Extracellular Proteins in Seawater: Spell-Binding Tales of Altered States and Degradation" Gordon Taylor, MSRC

AEROBICS

We are trying to get 10 people to join the next aerobics session to begin April 28 and end May 28. You may pay by the session (\$2.50) or \$25.00 for the 10 sessions. We have a lot of fun and its good for you! If you're interested see Val or Jeri.

EMPLOYMENT

The Main Office will have a student assistant position available for the period June 4 through August 19 for 20 hours per week at \$7.00 per hour. If you are interested see Jeri.

INTERNATIONAL DINNER

As most of you know, the International Dinner is scheduled for Friday, May 1st, 7:00 p.m. -- exciting entertainment is planned. There will be an organizational meeting on Monday, April 27 at 12:00 in Endeavour 113 -- anyone who is interested in helping out please attend. We still need people to sign up in the mailroom for what dish they are bringing. Please do so soon. See Judith Ben-Porath or Jungin Wertz if you want to help out and cannot attend the meeting on April 27. People who do not bring a dish will be charged \$5.00/person.

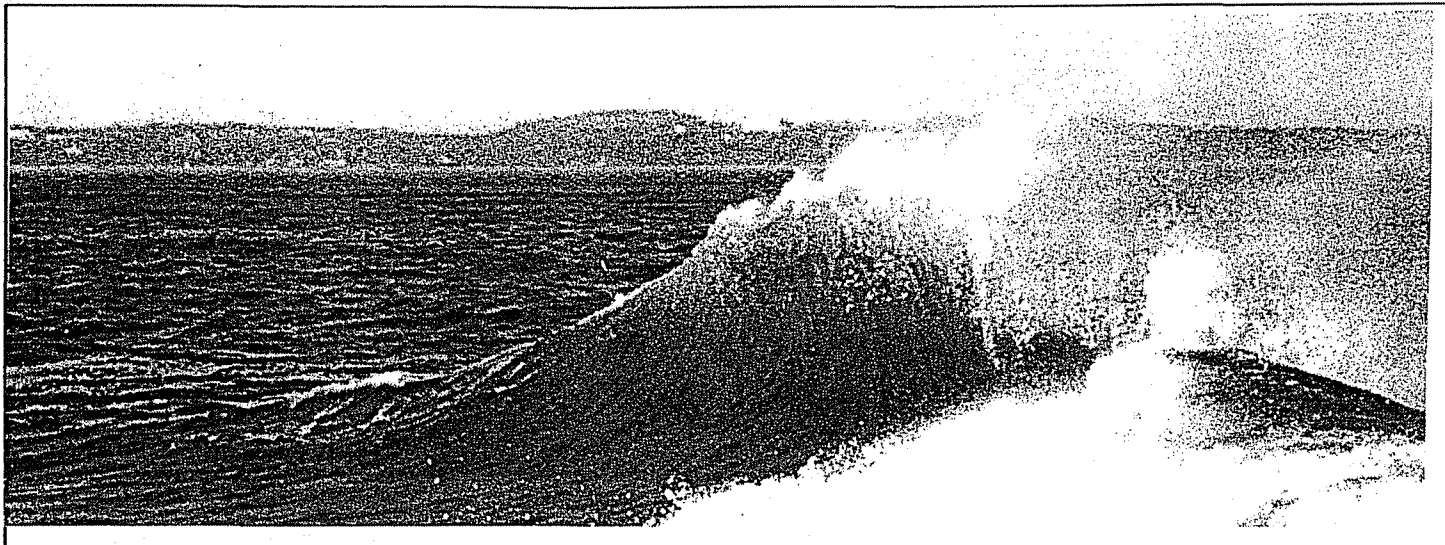


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 15

May 8, 1992

Schedule of Events May 4-10, 1992

MON		
TUES	1400	ITPA Seminar, Endeavour 113 "The Ultraviolet Radiation Environment of the Biosphere: Antarctica and South America" John Frederick, U of Chicago (candidate for ITPA faculty position)
	1700	Soundings Entries Due To Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Tragedy of the Commons" Charles Wurster, MSRC
	1800	Harriman School Seminar, Javits Room 111 "Managing in a Global Environment" L. Craig Johnstone, Cabot Plastics, Belgium
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "Sun, Fun and Research at the Mouth of the Amazon" Chuck Nittrouer, Mead Allison and Chris Sommerfield, MSRC

HELP THE NEEDY

The Employee Relations Council Hunger Task Force is sponsoring a campus wide food drive during the month of May.

Suggested Items: Spaghetti sauce, meals-in-a-can (stew, hash, tuna, ravioli, spaghetti and meatballs, canned meat), macaroni and cheese, chunky soups, canned vegetables, canned fruit, canned juice, tea, coffee (single serving size), peanut butter, jelly, cereal (single serving size), baby food, diapers, toilet paper, deodorant, personal items.

Drop Site: Endeavour 195

COMMUNITY RELATIONS SERVICE

The Department of Public Safety's new Community Relations satellite office is open! It is located in the lobby of the Student Union building.

We have a variety of services and pamphlets available to the campus community. The office will be staffed with officers who will be available to speak to you about numerous personal safety issues and campus concerns. The office will be open most days and some evenings as well. Please feel free to call one of the numbers listed below for more definite days and times.

One of our new services to our faculty and staff is the Operation ID program

for personal home use. Faculty and staff members may borrow an engraver from the Public Safety Department for 72 hours to take home and engrave personal items such as stereo equipment, TV's, VCR's, etc. The officers will show you how to use the engraver, as well as how to fill out the cards. At the end of the 72 hours the engravers and the cards are then returned to Public Safety. The information will be kept on file in our computer so that in case of a theft, all the information can be furnished to the responding police agency. The engravers and the ID cards can be picked up at the satellite office.

EMPLOYMENT OPPORTUNITIES/ POSITIONS SOUGHT

Mr. Zhang Chao-hui, a graduate student in Math, is seeking summer employment. He has some computer experience. Call 2-2515 evenings if you have a position available.

Barbara Jeffries, an environmental consultant, is seeking a part-time worker who can do technical and clerical work. Hours and salary flexible. Call 751-2626.

Research appointments for the summer can start as early as 15 May. If you are expecting to receive research support (or to have your students receive this support) and have not already given Laura the necessary information (grant number, etc.). Please do so immediately or the first checks will be late.

Lisa Themis, a geology student at

Lawrence U, is seeking a summer job. She is available starting June 15 and can be reached at 414-832-7835.

VOLUNTEER ASSISTANCE

Are you interested in volunteer assistance in the evenings or on the weekends this summer? I am an undergraduate student interested in marine science and policy who is willing to volunteer some time helping faculty, staff or students with research (preferably on the East End). If you are interested please contact Christine Drumm at 516-632-3448 until May 8; after that date please call 516-727-8678.

TEMPORARY RESEARCH TECHNICIAN POSITION AVAILABLE

Position available to assist in field oriented project involving the ecology of bay scallops in seagrass environments of Long Island, New York. Most work will be in the field, but some laboratory work may be required. No specific laboratory skills required. Position starts mid-May 1992. Expected contact time is 4-5 days/week, and may include weekend work. Payment competitive with current TA/RA stipends.

Required Qualifications: SCUBA diving certification; ability to swim; NY driver's license in good status; interest in marine biology/ecology/coastal oceanography/fisheries/aquaculture. Flexibility of time during the appointment is a must. Having personal basic diving equipment (mask,

snorkel, fins, wet suit) is also a must, and having personal regulator, harness and BC is a plus but not a requirement. B.Sc. preferred; 3 years experience in lieu of degree. Contact Francisco J. Borrero, Marine Sciences Research Center, SUNY Stony Brook, 11794. 632-8796. Dana Hall 107. Deadline for applications/interviewing: May 12, 1992.

RESEARCH PROPOSALS

The Office of Research Services advises that the following are the fringe benefit rates to be used henceforth in research proposals:

Project years beginning 01 July 1992 - 30 June 1993 -- 29.5%

Project years beginning 01 July 1993 - 30 June 1994 -- 31.0%

Project years beginning 01 July 1994 - 30 June 1995 -- 31.5%

Project years beginning 01 July 1995 - 30 June 1996 -- 32.0%

STUDENTS TAKE FOURTH FLAX TO FAX CHALLENGE

Stony Brook, New York, April 27
Student runners were victorious for the first time in the fourth annual running of the Flax to Vax Challenge on a cool but sunny morning, Sunday. With an average time of 33'00", the fastest ten students outpaced the top five faculty/staff runners by 1'47". Students Bob Chant and Mark Green won the race in dramatic style,

sprinting the last ten yards to the finish line, which they crossed together at 29'09", the fastest time in the race's short history. Following Chant and Green, the student qualifiers were Jed Brown, Jeff Schell, Andrew Matthews, Kevin Hovel, Jeanne Gulnick, Jeff Buckel, Kevin Weiman and David Tonjes. Of the eight faculty/staff participants in the race, Francisco Borrero finished first at 31'40". Faculty/staff qualifiers after Borrero included Chuck Nittrouer, Eric Schultz, Bob Aller and Anne West-Valle.

At a post-race barbeque, one student runner was overheard saying how good it felt to finally beat the faculty. "I guess Chuck [Nittrouer] is finally slowing down. He's a great competitor, but you can't stay in the game forever." Said Chant, "I'm glad we won, especially since I bought the beverages for the barbeque."

Faculty/staff runners owe Bob Chant \$ for the barbeque !! (so pay up!)

MAIL NOTICES

Please when you place boxes and bulky items in the outgoing mail be sure to let Mary Klein or Helen Ulreich know what is in the package so they will know how to send it. We need to decrease our mailing costs. Dan McGrath from the mailroom met with the Main Office staff to give us some tips. Much of what we send can be sent library rate at considerable savings. If items are not marked, they will be sent via the least expensive class

of mail.

Do not staple envelopes closed -- use tape. The staples destroy the postage machines and the U.S. Post Office may refuse to process your mail.

TRANSPARENCIES AND THE COPIER

Please be sure you are using transparencies for plain paper copiers and specifically the Kodak 225. Some of you have purchased INFRARED transparencies. **THEY MELT IN THE COPIER!** If you are buying transparencies for personal use, you may purchase them from the Main Office at \$11.50 per box. If you are buying them from a research grant, see Mary Klein or Helen Ulreich for advice on what type to buy and from whom.

PROGRAM ANNOUNCEMENT

The Pacific Ecosystems Branch of EPA is soliciting pre-proposals for a two year cooperative agreement to assess the effects of stratospheric ozone depletion on marine trophic interactions. The research may involve any combination of near-shore and oceanic ecosystems and laboratory experimentation. Pre-proposals due May 11, 1992. See Kirk Cochran for further information.

FOR SALE

One-way, peak LIRR ticket (good for travel in either direction between Penn Station and Stony Brook). Can be used

until June 22, 1992. Contact Bob Aller at 2-8746.

STUDENT COPIER ACCOUNTS

At a recent student meeting the question was raised as to why students had to share accounts. The copier can only accommodate a limited number of accounts. Rather than have some students with no accounts or private accounts, it seemed fairer to have shared accounts. We will continue to explore upgrading the memory; however, at present it is not an available option.

MEN OF WAR UPDATE

On Tuesday, April 28, the Men of War won their Quarterfinal playoff match in overtime by a score of 3-2. The Men of War will play Ajax on Monday, May 4, in the semi-final playoffs.

The Men of War ended the regular season losing to Hamilton by a score of 3-2. MVP: Jeff Schell, who scored the two goals in the last five minutes of the game.

W L T

4 1 0

THANK YOU

A heartfelt thanks to everyone who helped out at our first ANNUAL Open House. Many of you worked very hard to put together displays and

worked non-stop on Saturday. I think we had enough variety and challenge to keep young and old alike interested, and many learned a great deal, I think. Reports from visitors' comments were nothing but extremely positive, including "how nice and helpful everyone at MSRC is." So, you can be rightfully proud of yourselves.

A number of graduate students came to our rescue without being asked when the crowds started coming and pitched in with whatever was needed. A special thank you to the few brave souls who withstood the chill and damp to direct traffic, and to stay outside with their demonstrations, displays and food vending.

As you may have heard by now, estimates from the number of burgers and dogs sold are that we had over 1,000 people here! With the day's activities fresh in mind, I would like to ask for your comments, criticisms, critiques of this year's events so we can make notes for an even better, smoother open house next year.

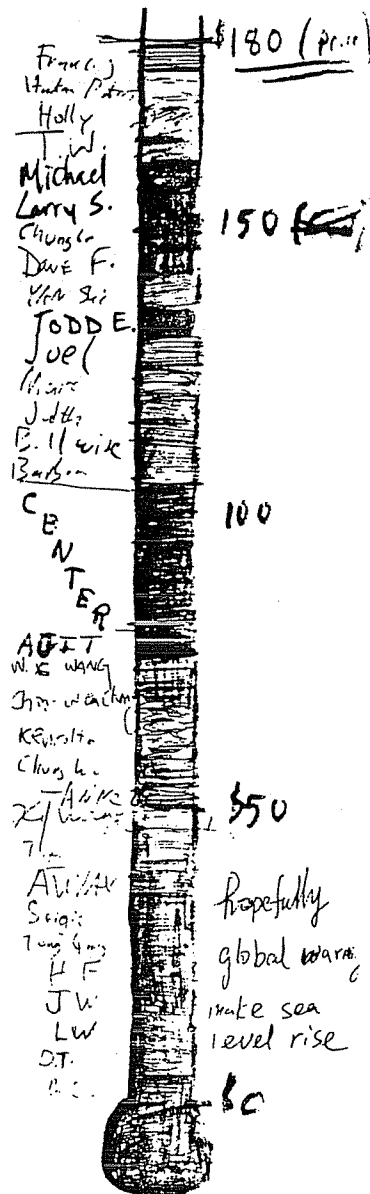
Trudy Bell

THANK YOU

I would like to add my thanks to Trudy's. You all did a splendid job in preparing for and participating in the Open House. It was an event to be proud of. Thanks again.

Jerry Schubel

To Those
who
gave :



Thanks

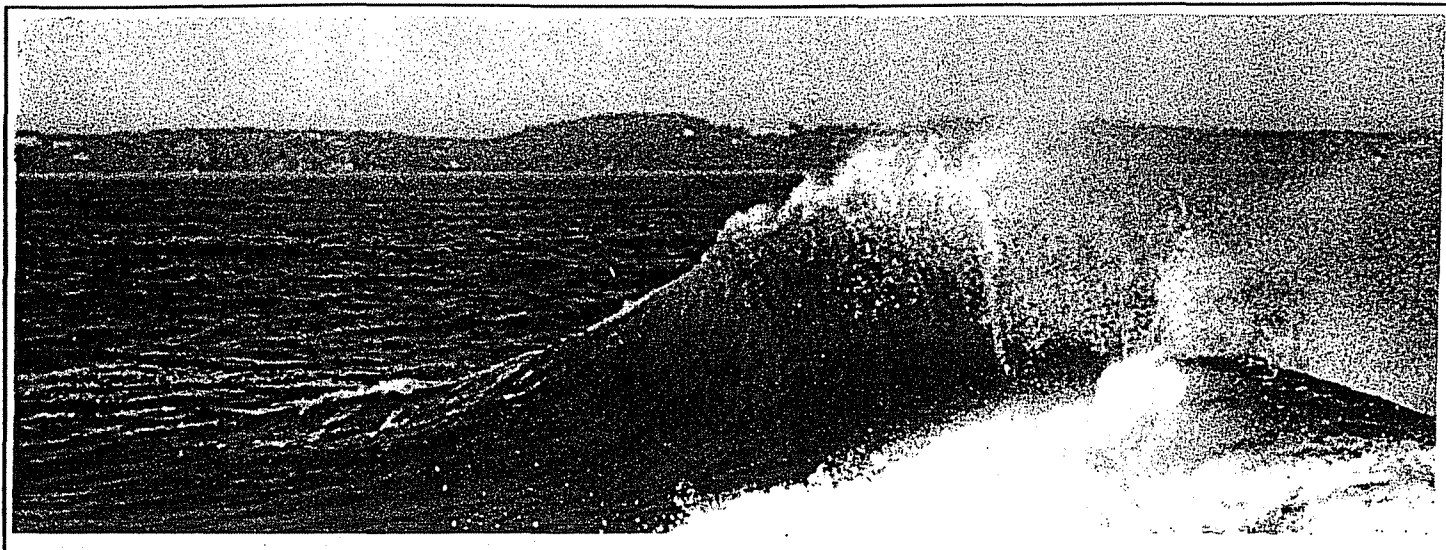


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 16

August 1992

Schedule of Events

MON		
TUES Aug. 18	1700	Soundings Deadline for Next Issue
WEDS		
THURS		
FRI		

MARINE TRIVIA

(Answers on page 5)

Q. Which sea bird is believed to be the souls of sailors drowned at sea?

Q. Which fish caused a New York blackout in 1925 when they clogged the condenser tubes of the Brooklyn Edison Company?

TIMESHEETS DUE

Timesheets for research faculty and staff and state professional staff are due August 10. If you do not receive a timesheet by August 5, please see Jeri.

State faculty who are teaching this summer must sign the roster by the check box in the Main Office by August 10.

FELLOWSHIPS

The Alexander von Humboldt Foundation grants research fellowships to highly qualified persons of foreign nationality to enable them to carry out research projects in Germany. It is funded by the German National Government. There are 3 programs: (1) Research Fellowships for Foreign Scholars; (2) Research Awards for Foreign Scholars; (3) Max Planck Research Awards for Foreign and German Scholars. Applications for the first program are accepted continuously. Programs 2 and 3 are by nomination only.

TERMS OF UUP AGREEMENT

A four year contract has been tentatively approved pending member notification. Terms include:

Compensation

A four percent across-the-board raise will be paid effective July or September 1993, depending on the employee's professional obligation, and another four percent across-the-board will be paid July or September 1994. An additional 1.25% across-the-board raise will be paid effective January 1, 1995. Discretionary increases of 1% each will be paid effective July 1, 1994 and July 1, 1995. The discretionary pool for 1994 will be based on .3% of the total salaries in the bargaining unit as of June 30, 1992 and .7% of total salaries as of June 30, 1993. The discretionary pool for 1995 will be based on .3% of total salaries as of June 30, 1992 and .7% of salaries as of June 30, 1994.

The geographic differential will increase from \$300 to \$400 per year beginning January 1, 1993.

Lag Payroll

The 1990 five day lag payroll will be eliminated for this bargaining unit. One and one-half days will be repaid to employees effective February 1994 and one and one-half days will be repaid effective December 1994. The final two days will be repaid effective June 1995. At the conclusion of this period,

the State's obligation with respect to the lag will be extinguished and no payment will be made on termination of service. New employees hired after September 1992 will not be lagged.

TUITION WAIVERS

Employees may apply for a tuition waiver for the fall for up to 3 credits. Waivers are for 60% of the tuition costs. Call Benefits for Form B-140W.

FELLOWSHIP PROGRAM

John Knauss Marine Policy Fellowship Program applications must be submitted by September 30 through the local Sea Grant Office. Support is \$24,000 for 1993.

INTERNSHIPS

The New England Salmon Association offers internships and grants to encourage and promote careers in Atlantic Salmon Conservation, Management and Service. Application deadlines are March 1 and September 1.

EMPLOYMENT OPPORTUNITIES

The Alaska Department of Fish and Game has an opening for a fishery research biologist in Kodiak, Alaska. A B.S. and two years experience as a fishery biologist is required. Starting

salary \$50,916. Application deadline is October 31.

Mary Scranton is looking for a laboratory assistant to work 10 to 15 hours in her lab during the school year. Work would include glassware washing, xeroxing and other miscellaneous tasks, possibly including some analytical work depending on the individual hired. A background in laboratory chemistry will be a strong plus. Salary can be discussed but would be about \$6 per hour. Please see Mary Scranton as soon as possible if you are interested, as she would like to have her current laboratory assistant provide some training.

The Department of Marine Science (University of South Carolina - Coastal Carolina College) is seeking qualified applicants for a full time instructor of Marine Science. The successful candidate will have teaching responsibilities for undergraduate Marine Science laboratories and serve as coordinator for 10 to 15 sections of freshman labs. A Masters Degree in Marine Science or Oceanography is required and teaching experience is preferred. The Marine Science Department has 250 undergraduate marine science majors and provides non-science major undergraduate courses. Lab courses combine laboratory studies and field work on biological, chemical, geological and physical processes controlling the coastal marine environment. The college is located along the South Carolina Grand Strand coast with close access to a variety of beach, estuarine

and coastal ocean environments and is developing a field program/station at Waites Island. The new position will also work towards establishing a summer field program at Waites Island. Send a letter of application, a vita and two letters of recommendation to:

Dr. Janis Chesson
Vice Chancellor for Human Resources
University of South Carolina-Coastal
Carolina College
Conway, South Carolina 29526

RESEARCH OPPORTUNITY

The British Petroleum Co. invites proposals to use selected offshore oil exploration and production platforms in the Gulf of Mexico and North Sea for oceanographic, atmospheric and environmental research. Letters of interest (up to 3 pages) must be submitted by September 15, 1992.

The U.S. Global Ocean Ecosystems Dynamics Program is accepting proposals for field observation and process studies, modeling and methodology / instrumentation development. Deadline August 15.

LISTING AVAILABLE

The U.S.G.S. Volunteer/Intern/Teacher Opportunities listing for 1992 is available in the Main Office.

CONGRATULATIONS

Congratulations to Jon Hare who

scored the highest grade on the Biometry final in the last 20 years.

FLAX POND LAB FACILITY UPDATE

Microalgal cultures have been established at the Flax Pond Marine Laboratory to supply daily up to 1m³ vol. of algae at about 20 x 10⁶ cells/ml. The available species are Isochrysis, Thalassiosira and Nannochloropsis. Those who wish to carry out larviculture experiments using microalgae, please contact Charles James at 632-8709 for further information.

FRIDAY DISCUSSION GROUP FALL 1992

Once again it is time to get your name on the schedule for the ever popular Friday Discussion Group. We are looking for speakers interested in giving talks *either* on their scientific research *or* on some trip or other adventure. Popular demand has it that somewhat greater emphasis be placed on the latter format, so we are especially eager to hear from people with slides of exotic and interesting places. For new members of the MSRC community, Friday Discussion Group talks are traditionally less formal and are often more controversial than the regular Wednesday Seminars.

If you are interested in presenting a talk of any type, or if you anticipate

having a visitor you would like to have speak, please contact Mary Scranton (2-8735) as soon as possible.

I encourage our new colleagues from the Institute for Terrestrial and Planetary Atmospheres to participate in the Friday Discussion Group. It is a great way to meet people, plus we serve coffee and cookies!

ANSWERS TO MARINE TRIVIA

A. The storm petrel, also known as Mother Carey's chickens.

A. Bezillions of black sea bass.

LONG ISLAND REFUGES ENDANGERED

The following refuges have been targeted for disposal by the federal government: Oyster Bay, Target Rock (Lloyd Harbor), Seatuck (Islip), Conscience Point (Sag Harbor), Morton (Sag Harbor), and Amagansett. A Department of the Interior audit claims that these refuges are underused, too costly, and don't protect enough wildlife. Please write to your federal elected officials and protest this short-sighted initiative that will only result in more developed property on an already over-developed Long Island. For more information, contact:

Ralph Narango
Friends of the Bay
315 Yacht Club Road
Oyster Bay, NY
11771



HELP WANTED

Volunteers to monitor water quality are needed by ALS Baykeeper Andy Willner. Twenty-four stations have been established throughout the NY/NJ Harbor, from Sandy Hook to Rockaway Point. No boat is needed; just choose a site near you and spend 45 minutes twice a month to measure and record specific information. Complete instructions will be provided by the Baykeeper. Call 1-800-8BAYKPR or the Water Monitors Network at ALS HQ (908) 291-0055.

New York City Department of Parks and Recreation is looking for volunteers. It offers training in a variety of duties, including teaching children about the environment, working at visitor centers and historic houses, and assisting with sports, fitness and arts programs. Contact NYC Parks at (212) 360-8111.

COURT HALTS PINE BARRENS PROJECTS

The Long Island Pine Barrens Society is jubilant! It won its landmark lawsuit against three East End Towns and the Suffolk County Department of Health Services. In a 3-2 ruling, the Appellate Division of the New York State Supreme Court upheld the Society's claim that cumulative impacts of nearly 250 projects proposed for the Central Pine Barrens must be considered before approval of the projects may be granted. The Court cited the importance of the Pine Barrens for the protection of drinking water and to the preservation of Pine Barrens ecology. The suit is the largest environmental lawsuit in New York State history. More than 100 environmental groups (including the American Littoral Society) and civic groups supported the legal action which affects 100,000 acres of environmentally sensitive land containing the greatest quantities of the purest drinking water left on Long Island and the States greatest diversity of plants and animal species.

The Pine Barrens Society is asking the local governments involved to accept the ruling of the Court so that the required study and planning may now, after six years of demands, finally begin. Builders would then know where they can build and Long Islanders would be assured of an adequate supply of pure drinking water. For more information, contact the Long Island Pine Barrens Society at (516) 929-6660.

A WETLAND IS A WETLAND IS A WETLAND

The newsletter of the Environmental Defense Fund recently carried an article by EDF attorney Timothy Searchinger who, together with the World Wildlife Fund, coordinated a meeting of scientists to review the Bush administration's proposal to redefine wetlands. The scientists agreed that the proposal is "bad science and worse policy." The push for redefining wetlands comes from developers and those who find it hard to understand that an area that is not underwater much of the year could really be a "wetland." But wetlands are valuable, in part, because they vary in wetness. The scientists concluded that redefinition would result in: a) loss of federal protection for at least half of the remaining 95 million acres of US wetlands and b) serious damage to wildlife and ecosystems. Wetlands not only provide habitat for wildlife including waterfowl and fish, they also filter pollutants and store flood waters. Urge your elected federal officials to support bills mandating a study by the National Academy of Sciences before the administration proceeds with its proposed changes in the wetlands legislation. For more information, contact:

Environmental Defense Fund
257 Park Avenue South
NY, NY 10010 (212) 505-2100

EAST END JETPORT MEETS OPPOSITION

Fallout from the Pine Barrens lawsuit victory will hit the proposed international freight and passenger jetport at Calverton, Long Island. Many environmental groups oppose the siting of this facility in the Pine Barrens with its negative environmental and quality of life impacts on the area, including Calverton Ponds, a globally significant nature preserve adjacent to the Grumman-operated Naval Airfield. Gearing up for the fight are groups such as Citizens Against East End Jetports, the Group for the South Fork, North Fork Environmental Council and the Long Island Pine Barrens Society. The jetport debate has been termed "The Shoreham of the 90's," pitting the traditional East End natural beauty, rural culture and economy against development interests that have compromised the economy and environment to the west. For more information, contact the groups mentioned above or the Long Island Pine Barrens Society at (516) 929-6660.

Northeast Fisheries Science Center

RESEARCH HIGHLIGHTS

Cartilaginous Fish Still Dominate Demersal Finfish Biomass

The Northeast Fisheries Science Center's spring 1992 bottom trawl survey of the Northeast's continental shelf showed continued domination of the demersal finfish biomass by cartilaginous fish. The survey, which used the NOAA fisheries research vessel *Albatross IV* to sample 326 sites between the western Scotian Shelf and Cape Hatteras, occurred during March 2 - April 16. Over 74 percent of the survey catch (by weight) was composed of just three species: spiny dogfish, winter skate, and little skate. The three "traditional" demersal finfishes -- Atlantic cod, yellowtail flounder, and haddock -- comprised less than four percent of the catch.

A *Fishermen's Report* on this survey is available upon request. The report lists the location (latitude & longitude and loran bearings), towing direction, bottom depth & temperature, and date & time for each sampling site.

Contact Linda I. Despres-Patanjo, (508) 548-5123

Heavily Fished Stocks Showing Quicker Sexual Maturation

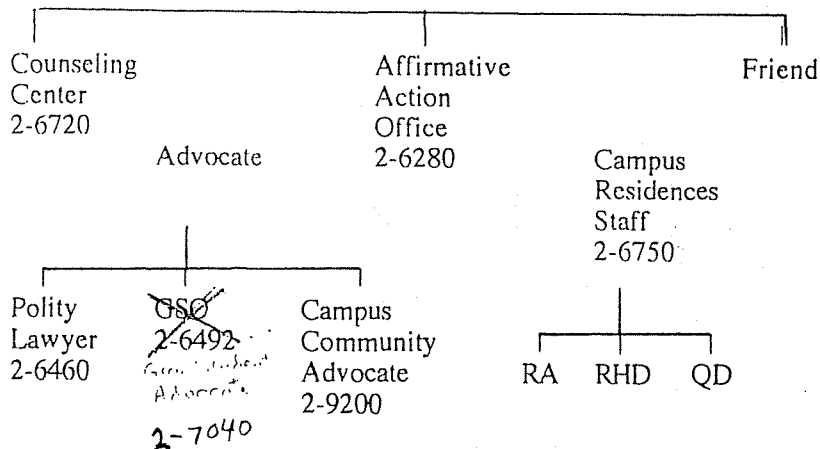
The Northeast Fisheries Science Center has documented the maturation rates of 29 stocks of 19 species of Northeast finfish collected during 1985-90. Many of the stocks showed significantly quicker maturation during 1985-90 than they did during earlier time periods. This quicker maturation during a period of heavy fishing pressure may be an illustration of a phenomenon which has been observed in other fisheries ecosystems: (1) heavy fishing removes a large portion of a fish population; (2) remaining fish have proportionately more prey to eat; (3) increased feeding increases individual growth rate; and (4) faster growth rate triggers sexual maturation at a younger age or smaller size.

This phenomenon has been virtually unnoticed by commercial fishermen because the quicker maturation largely began after the regional fishery management councils adopted conservation measures in the mid-1980s which, among other things, prevented fishermen from keeping (and thus cutting open and observing) smaller/younger fish.

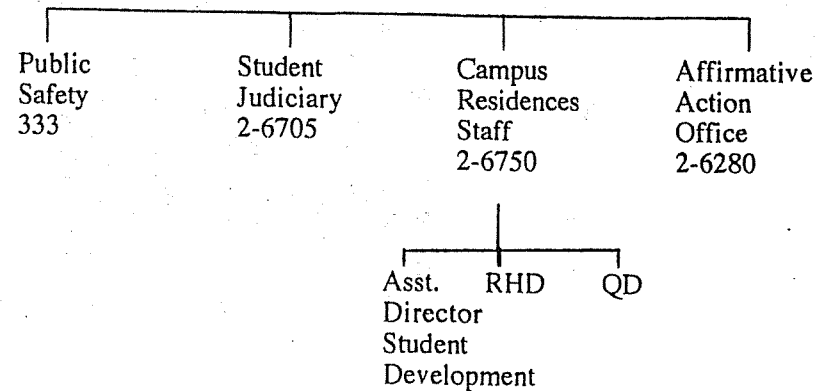
Contact Loretta O'Brien, (508) 548-5123

If You Think You've Been Sexually Harassed, TELL SOMEONE!

IF YOU WANT TO TALK...



IF YOU WANT TO FILE A COMPLAINT...



TELL SOMEONE!!

Sponsored by the Campus Women's Safety Committee, 347 Administration.

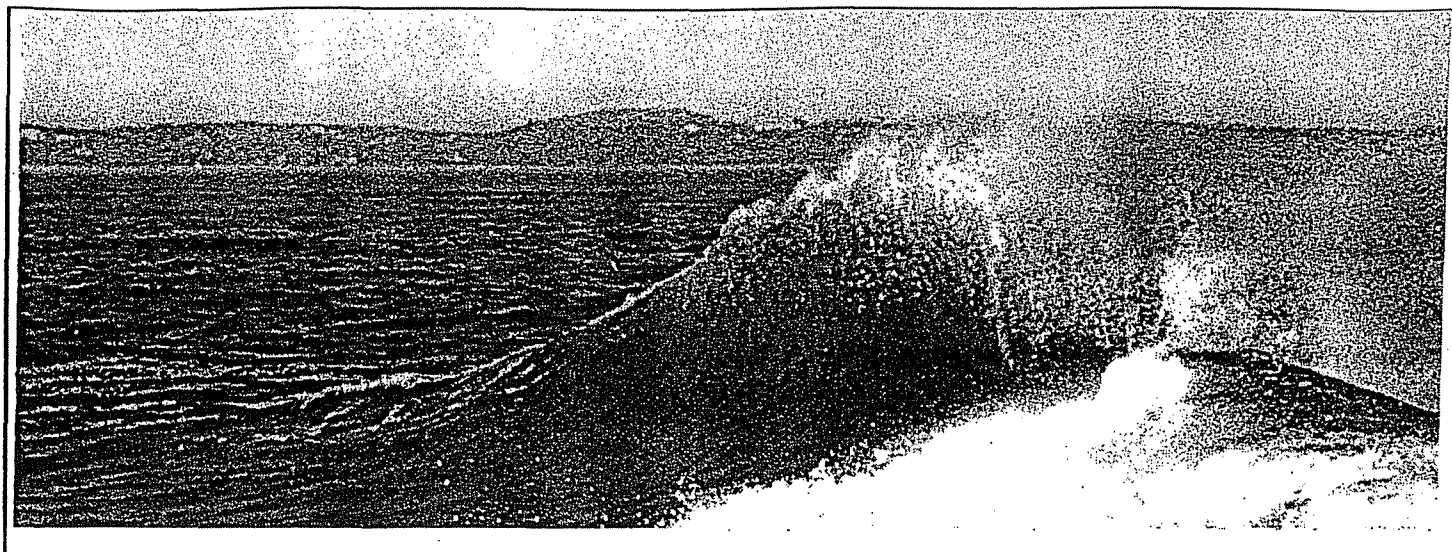


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 17

September 7, 1992

Schedule of Events September 7-13, 1992

MON		HOLIDAY; Center Offices Closed
TUES	1700	Soundings Entries Due To Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Estuarine-Dynamics of the Amazon Frontal Zone" Rocky Geyer, WHOI
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "Bottom Trapped Internal Waves" Kamazima Lwiza, MSRC

FUNDING OPPORTUNITIES

Preproposals for the Hudson River Foundation must be submitted by October 16 to the Hudson River Foundation Office in New York City.

The Bermuda Biological Research Station has \$2,500 grants-in-aid fellowships available for those wishing to do research at the Station.

EMPLOYMENT OPPORTUNITIES

The University of South Carolina seeks a tenure track Assistant or Assistant Professor to teach Chemical Oceanography and Analytical/Environmental Chemistry. Position is available August 1993. Application deadline November 1, 1993.

Ed Boyle at M.I.T. seeks a lab technician with a Bachelors or Masters degree in Chemistry and training or experience in lab chemistry. Funding available for at least two years.

NEW STAFF

Ms. Janice Barone has joined the Center as the secretary of the Living Marine Resources Institute (LIMRI), working with LIMRI Director, Bill Wise. Her hours are 9:30-1:15, M-F. Please stop by Discovery 155 and welcome Jan to the Center.

Ms. Aileen Schwartz joins the Main Office secretarial staff on Thursday, August 10.

TIMESHEETS DUE

Timesheets for research faculty and staff and state professional staff are due September 10. If you did not receive a timesheet, please see Jeri.

State faculty who were teaching this summer must sign the roster by the check box in the Main Office by September 10.

INDIRECT COST RATES ON PROPOSALS

The Federal Indirect Cost Rate for proposals funded July 1, 1992-June 30, 1993 is 47% of Modified Total Direct Costs for on-campus research and 26% for off-campus research. Effective July 1, 1993 these rates are expected to be 55.8% on-campus and 26% off-campus.

The non-Federal rates are 45.1% of Total Direct Costs for on-campus research and 27.5% for off-campus research.

A/V EQUIPMENT

The age old problem of where to find a slide projector continues. Challenger 165 has a slide projector permanently assigned to the room. All other slide projectors should be returned to Endeavour 121 and signed out from there. Unless everyone cooperates, you will continue to be frustrated by the difficulty in locating a slide projector for your class. Malfunctioning projectors should be

left at the Main Office with a note describing the problem.

SEMINAR NOTICES

Please send Malcolm Bowman contact names and addresses to whom you would like weekly notices of this semester's seminars sent.

NOTICE

New ASFA CD ROM installed on 8/20/92 and now available for use in the Reference Room.

BIRTH ANNOUNCEMENTS

Former MSRC students Val and Tom Forbes had a baby boy, Scott Christopher Forbes, born July 29. Scott was born at 6 pounds and has red hair. Parents and child are doing very well. Their address is now:

Tranevej 8, Gershoj
DK-4050 Skibby
Denmark

George and Jennifer McManus announce the birth of their son, Pearse Martin McManus. At birth he ^{as} 8 lbs., 7 oz., and 20.75 inches long. He is a native Alabamian. Mother and child are both doing well.

MASIC

Masic is the new acronym for the Marine and Atmospheric Sciences Information Center, formerly known as the Reference Room.

This new name was chosen to symbolize the direction in which we are heading. Co-chaired by Dean Schubel and Dean Smith, Director of Libraries, a jointly developed plan is in the process of being implemented to upgrade the facility, the collection, and service delivery. The vision is to provide a technologically advanced information center that properly reflects the quality of MSRC but will also serve as a prototype for all future SUNY branch library development.

A part of this plan is to expand the hours of availability. The schedule has been extended as of this week. The new hours are listed below. If you don't save this newsletter, you can find the current week's schedule and the names of the staff on the door.

For the benefit of the new students, brief orientation sessions will be held every Tuesday and Thursday afternoon at 4:00 pm for the next two weeks.

Should you have any questions, suggestions or complaints, please bring them to the attention of Roger Kelly.

MASIC

Hours of Operation

Effective September 8, 1992

Sunday	2:00pm - 10:00pm
Monday - Thursday	8:30am - 10:00pm
Friday	8:30am - 5:00pm
Saturday	1:00pm - 5:00pm

Exceptions:

Sun., 9/27 - open 12:00 - 4:00pm; Mon., 9/28, Tue., 9/29, Tue., 10/6, Wed., 11/25, and Fri., 12/18 - open 8:30am - 5:00pm
Closed Thu. - Sat., 11/26 - 11/28

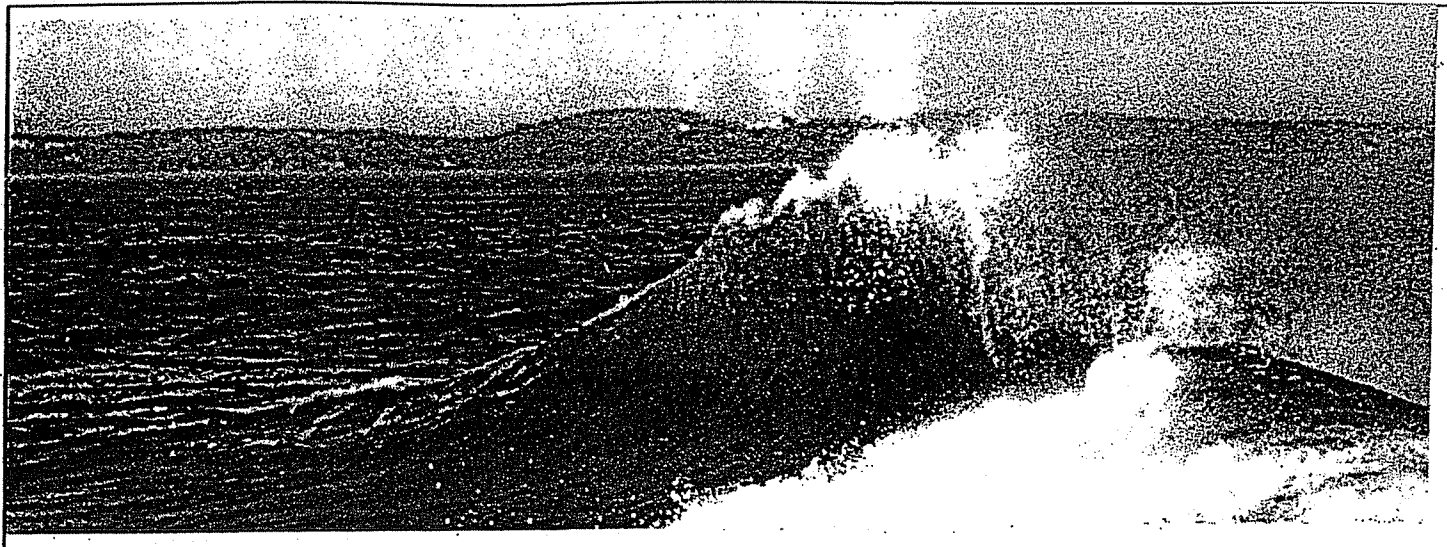


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 17

September 14, 1992

Schedule of Events September 14-20, 1992

MON		
TUES	1700	Soundings Entries Due To Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Siderophores and Iron Nutrients in Phytoplankton" Dr. Charles Trick, U of Western Ontario
THURS	1500	1992 Zickler Lecture, HSC Lecture Hall 2 "The Human Genome Project: Background, Status, Prospects and Implications" Victor A. McKusick, Johns Hopkins
FRI	1530	Friday Discussion Group, Challenger 163 "Zooplankton Associated Production of Methane" Marie deAngelis, MSRC

FACULTY MEETING

The first meeting of the academic year will be held on September 21 at 11:00. Agenda items are due to Jeri by September 23.

REMINDERS

Mary Scranton and David Conover are being considered for promotion to full professor. If you are interested in commenting on their candidacy, please submit written statements to J.R. Schubel no later than September 22.

AEROBICS

We are trying to get a new group together for aerobics. The cost is \$25.00 for a ten-week session or \$3.00 per session if you don't want to make a full commitment. The class would be at 5:15 twice per week -- the days have not been selected yet. If you're interested, see Jeri or Joanne.

EMPLOYMENT OPPORTUNITIES

Renuka Devi Dasari, a graduate of Kakatiya University with a BS in Chemistry, is seeking a laboratory assistant position.

The Vanderbilt Museum has a part-time (25 hrs. per week) position for an individual with a BS in one of the natural sciences. The individual will work under the curator documenting, research, and helping to preserve the collection of natural history objects. The rate of pay is \$6.00/hr. and is at

the Museum in Centerport. Call 262-7865 if interested.

COURTESY NOTES

Please clean up after yourself when you use the copier and/or the paper cutter in the mailroom. Monday morning it looked like a disaster area in there. Mae, the Endeavour Hall cleaning lady, is very conscientious and tries to keep our building looking nice. She is also very sweet and doesn't complain. However, it's very thoughtless to take advantage of her and leave your mess for her to clean.

FOOTPRINTS IN THE SEA (supplement to MAR 501 lecture on Lagrangian drifters)

By nature, oceanographers are opportunistic creatures. This is a prime example of how physical oceanographers take advantage of "windows of opportunity." More details about this curious experiment can be found in EOS, August 25, 1992.

Malcolm Bowman



Fig. 1. Nike shoes recovered ashore after drifting in the north Pacific for about a year. Many were still wearable (photo credit: Bruce Rowland, Seattle, Wash.).

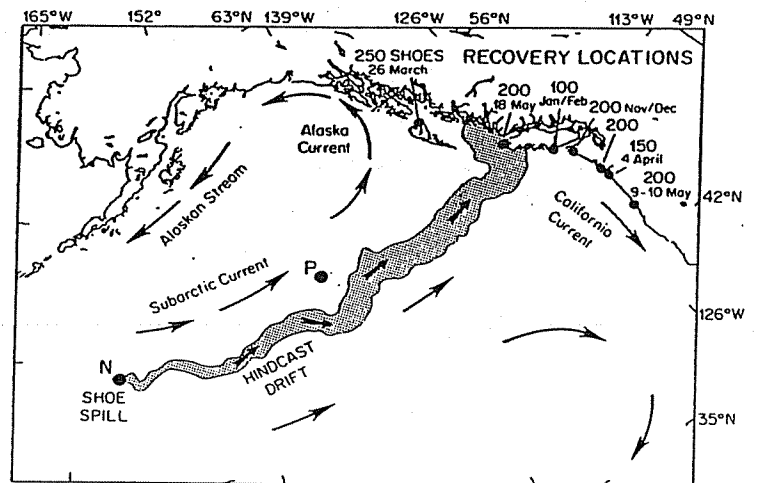
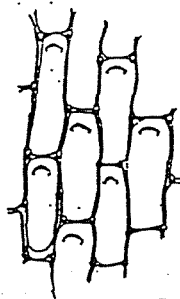
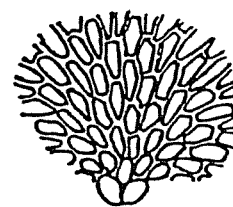


Fig. 2. Site where 80,000 Nike shoes washed overboard on May 27, 1990 (N: shoe spill), and dates and locations where 1,300 shoes were discovered by beachcombers (dots at upper right). Drift of the shoes, simulated with a computer model (stippled plume), is thought to have passed close to Station Papa (P) where 33,869 drift bottles were released.

WANTED:



Information on the ectoproct *Membranipora membranacea*

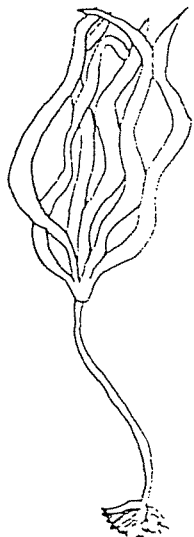


The ectoproct *Membranipora membranacea* was first observed in the Gulf of Maine at the Isles of Shoals, USA in the summer of 1987 and has rapidly colonized nearby kelp bed communities. By the fall of 1988, it was often found on more than 90% of the *Laminaria* blades examined - often reaching 100% cover. Since that time, its abundance in local waters has fluctuated, although it has always far exceeded that of the native epiphyte species.

The impact of this invasion in NH and southern ME, USA is currently being researched. Studies conducted to date indicate that even though *M. membranacea* is the overwhelming competitive dominant, its impact on the distribution and abundance of native epiphyte species is likely quite limited. However, *M. membranacea* has been implicated as a potentially major force in mitigating the abundance and persistence of kelp plants in southern Maine

M. membranacea is easily recognized. It has very regular, rectangular zooids with knobs at each corner, a membranous frontal wall, and a multiserial growth form (above left). It lacks a cryptocyst, avicularia, and ovicells. Colonies (above right) begin from a twin ancestrula and expand centrifugally and laterally to form a fan. Mature colonies may cover entire algal sporophytes.

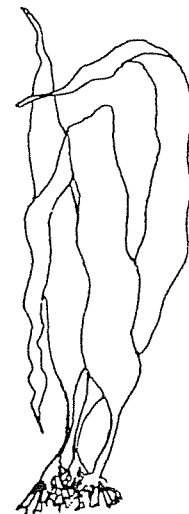
In the waters of NH and southern ME, USA, *M. membranacea* recruits mid-summer and grows rapidly through the fall. It is most abundant on subtidal kelps (i.e. *Laminaria saccharina* & *L. digitata*) It is less common on open coast populations of rockweeds (i.e. *Ascophyllum nodosum* & *Fucus* spp.).



Any information regarding the distribution or abundance of this exotic species or about changes in kelp beds in your area would be appreciated!

PLEASE CONTACT:

Jody Berman
Zoology Department-SLS
University of New Hampshire
Durham, New Hampshire 03824 USA
Phone: (603) 862-2100 Fax: (603) 862-3784



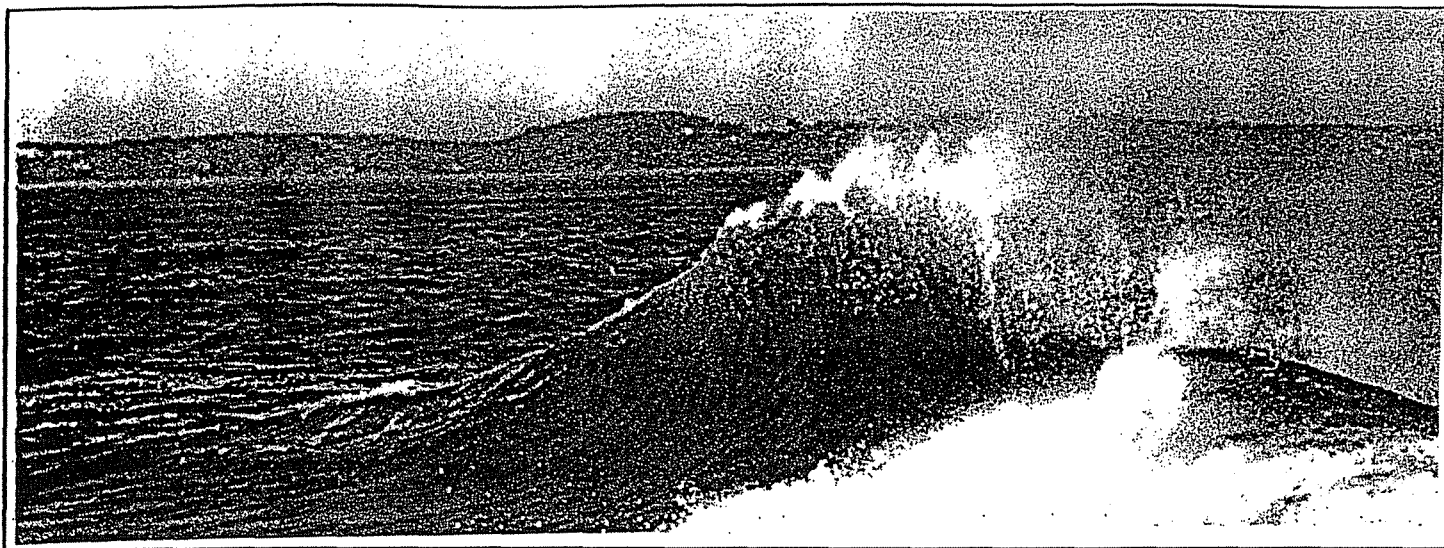


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 18

September 21, 1992

Schedule of Events September 21-September 27, 1992

MON	1000	Faculty Meeting with S.B. Media Experts, Vicki Katz, Sue Risoli
	1100	MSRC Faculty Meeting, Challenger 165
TUE	1700	Soundings Entries Due to Jeri
WED	1200	MSRC Weekly Seminar, Challenger 165 "Laboratory Simulations of Geophysical Flows" Pablo Huq, University of Delaware
THU		
FRI	1530	Friday Discussion Group, Challenger 163 "Christmas at Grand Canyon" Hartmut Peters, MSRC

NOAA ESTABLISHES OMBUDSMAN FUNCTION

NOAA wants to improve its communications with the nation's academic institutions. The objective is to identify and assist in solving any problems that arise in the course of NOAA - academic interactions. The service is designed to be impartial and service oriented. Contact NOAA Ombudsman, 202-377-1437 to utilize the service.

SLIDE PROJECTORS & CAROUSELS

I am seeking information on the whereabouts of MSRC's slide projectors and yellow carousels. If you can provide any information leading to their recovery, please let me know. An MSRC pencil will be given to all who actually bring one of the aforementioned to me. (I know that seems cheap but it's a bad budget year - remember?)

Jeri Schoof

MISCELLANEOUS

Someone ordered a ZEOS Freestyle/ SL Notebook. We received a letter that it will be shipped in the latter half of September.

LONG ISLAND PINE BARRENS SAGA CONTINUES...

The Town of Southhampton has accepted the New York State Supreme Court ruling that a cumulative environmental impact study must be done on the Pine Barrens before any of the 250 development projects proposed for the area can proceed. The Towns of Brookhaven and Riverhead and the County of Suffolk plan to appeal the ruling in October before the New York State Court of Appeals. The developers had tried to interest the Legislature in passing a law that would weaken the Sole Source Aquifer Law, but the effort failed. Latest word was that the developers and the Long Island Pine Barrens Society will have a meeting to "search for common ground."

Opposition to a jetport at Calverton continues to grow, with the East End Supervisors and Mayors Association unanimously opposing this project that would sit atop a state designated Special Groundwater Protection Area.

For more information on these land use issues or to make a donation, contact:

Richard Amper, Exec. Director
Long Island
Pine Barrens Society
Box 429
Manorville, NY 11949-9801
(516) 929-6660

MISSING
from Personal Library:
Applied and Environmental
Microbiology vol. 52, no. 4.
Please return to Gordon Taylor
ASAP. Thanks

MORE LONG ISLAND ACRES PRESERVED

The South Fork-Shelter Island Chapter of The Nature Conservancy recently reported the purchase by Suffolk County of a 98 acre parcel of land within the Long Pond Greenbelt. The action by the county will protect an important groundwater recharge area made up of mixed oak forest interspersed with kettlehole wetlands. The Nature Conservancy negotiated the acquisition paid for by the Quarter Percent Sales Tax Program (Suffolk County's Groundwater Protection Program). The Nature Conservancy acquired a 1.4 acre parcel at Lily Pond in Sag Harbor. The site contains 120 feet of pond frontage, provides an upland buffer, and links Lily Pond with other protected Long Pond Greenbelt land. For more information on The Nature Conservancy and its work, contact:

South Fork-Shelter Island
Chapter
P.O.Box 2694
Sag Harbor, NY 11963
(516) 725- 2936

EMPLOYMENT CORNER

ENE major looking for Lab work (for credit and experience). Will be able to work all days after 11 am, and weekends. If interested contact Dail at 632-3673.

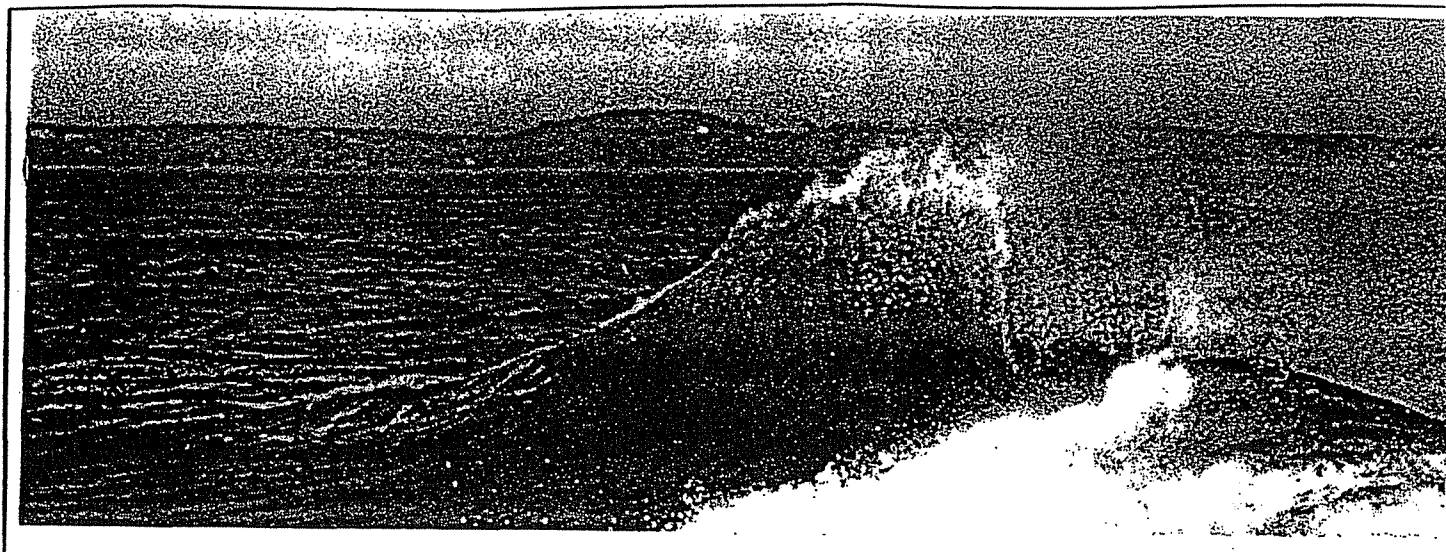


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 19

September 25, 1992

Schedule of Events Sept. 28 - Oct. 4, 1992

MON		
TUES	1700	Soundings Entries Due To Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "General Circulation Model : Simulations of Climate Change and Intercomparison of Forcing and Feedback" Robert Cess, ITPA/MSRC
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "Slides from South America: Galapagos Islands" Judith Ben-Porath

FUNDING OPPORTUNITIES

The Massachusetts Bay Program has issued two requests for proposals for studies on 1. Living Resources in Massachusetts and Cape Cod Bays and 2. Nutrient Cycling/Primary Production Interactions in Massachusetts and Cape Cod Bays. Deadline is noon on October 28.

EMPLOYMENT CORNER

Soundwaters, and environmental education organization located in Stanford, CT, has a full-time opening for an environmental educator. Candidates should have teaching experience, knowledge of marine sciences and good organizational skills. Salary range: \$15000 - 17000.

CALL FOR PAPERS

The New England Estuarine Research Society has issued a call for papers for its November 5 - 7, 1992 meeting to be held in Wells, Maine. Deadline for abstracts is October 5.

FACULTY MEETING

The next faculty meeting will be held on Monday, October 26, at 10 a.m. in Challenger 165. Agenda items are due to Jeri by Tuesday, October 20.

COPIER TIPS

When making transparencies, be sure to put the transparencies in the upper paper drawer, one at a time, with the white strip at the right side of the drawer. Use only "2200" transparencies -- the generic transparencies do not work well. They meet in the machine. Also be sure to have the transparency exit to the top exit not to the finisher.

SECURITY

After 5 p.m. the fax room door should be kept locked and shut. If you see the door open, and it is after 5, please pull it closed.

22 September 1992

To: MSRC Faculty and Students
From: MSRC Awards Committee
Subj: Upcoming travel awards

MSRC travel awards: Each year MSRC has available limited 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. For fall semester travel applications must be received by 15 October for travel after 1 September 1992 but before 1 February 1993.
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. However, priority will be given to students who have not received travel support in the past.
7. In exceptional circumstances the committee will consider requests for funding of thesis related travel. As indicated in previous guidelines, this travel must be essential to successful completion of a student's thesis and there must be no grant funds available to cover the travel. A brief proposal outlining the scientific problem to be addressed, the purpose for which travel funds will be used, and the funding status of the project should be included. It should be noted that the total amount of any award will be small (\$100- 150), and that travel in this category will only be funded in very rare circumstances. Please see an Awards Committee member for more information.

Since the Graduate Student Organization also has funds for student travel to meetings, we recommend all students also contact them for support. It is important that this be done as soon as possible for summer travel as GSO may run out of money.

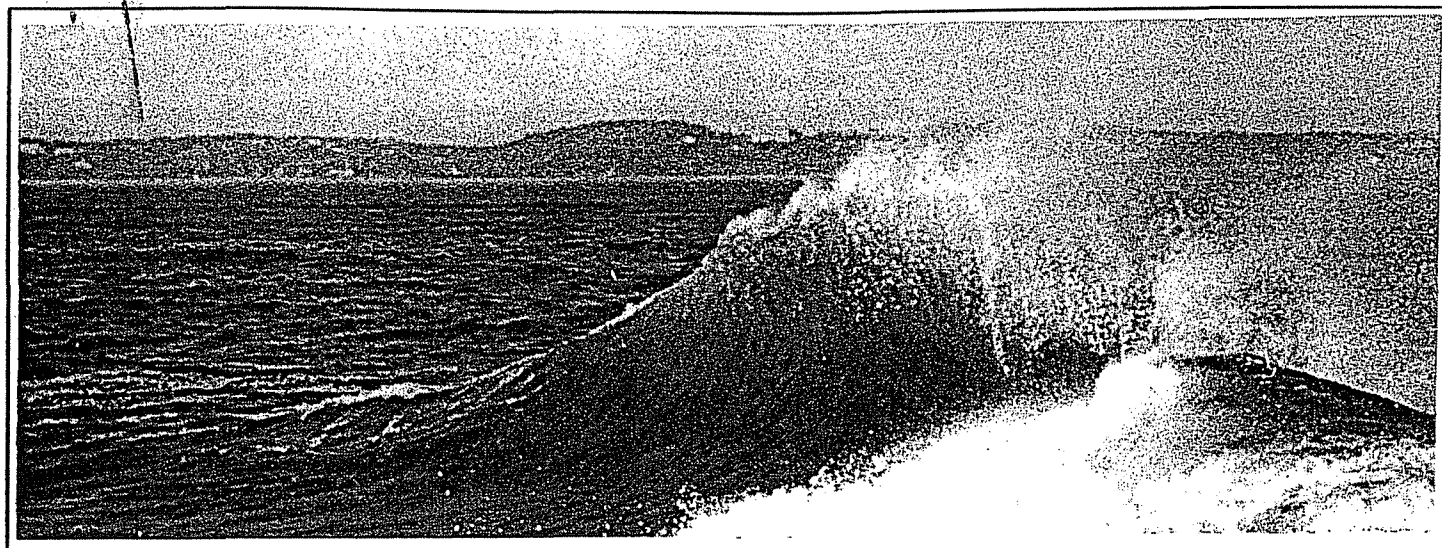


Photo by George Rowland

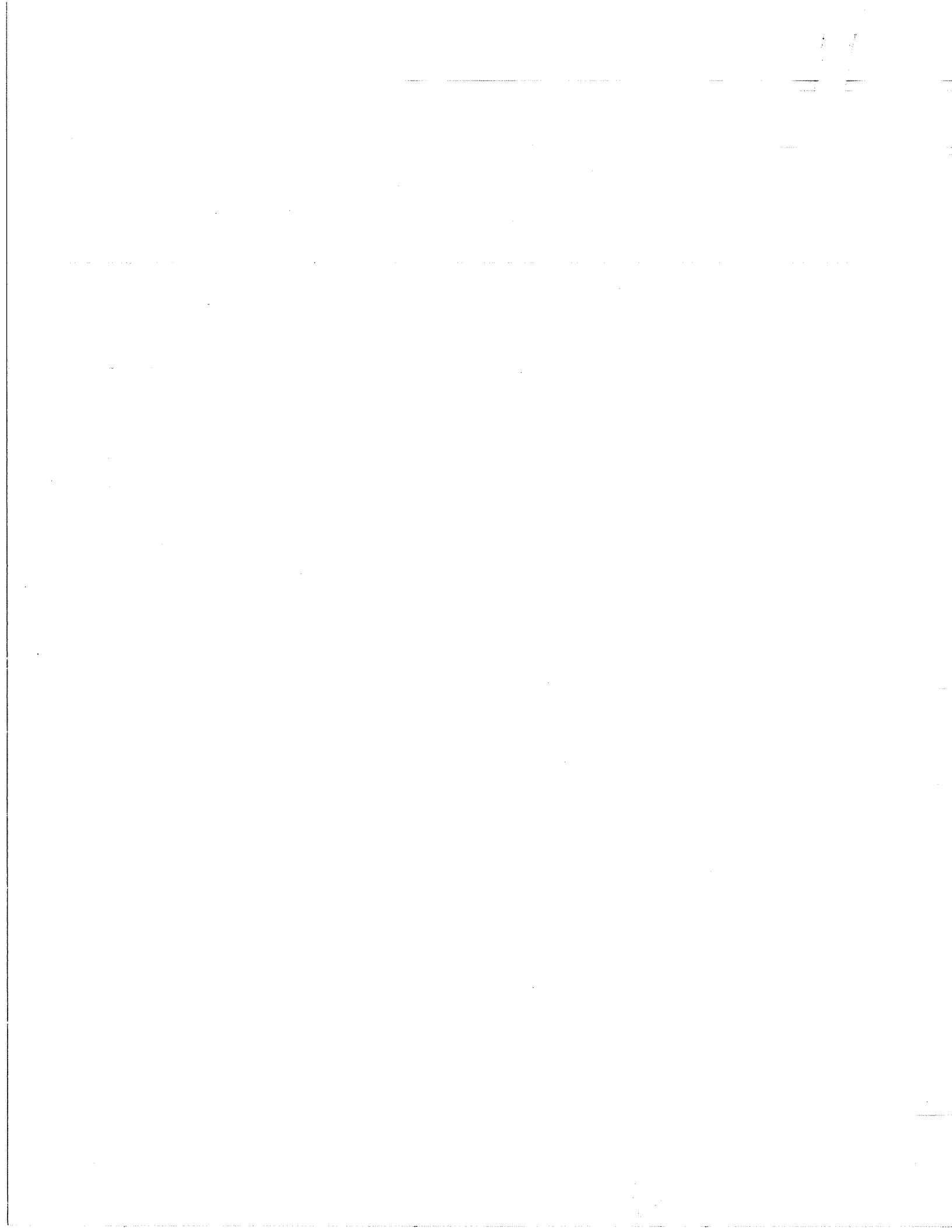
MSRC SOUNDINGS

Vol. VIII, No. 20

October 5, 1992

Schedule of Events Oct. 5 - Oct. 11, 1992

MON		
TUES	1700	Soundings entries due to Jeri
WEDS	1200	No weekly seminar
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "Earth Summit in Brazil" Charles Wurster, MSRC



CALL FOR PAPERS

The IEEE 1993 International Geoscience and Remote Sensing Symposium has issued a Call for Papers. The meeting will be held in Tokyo, Japan from August 18 - 21, 1993. Deadline for abstracts is January 31, 1993.

EMPLOYMENT CORNER

Technician position available immediately on the molecular evolution and systematics of marine diatoms. Familiarity with molecular biology required. Starting salary \$22,000 with full benefits. Contact Dr. Jane Gallagher, Biology Dept., City College, Convent Ave at 138th St., New York, NY 10031 (212) 650-8507.

GSA PACKAGE OF INFO

The Geological Society of America has sent the Main Office a package of materials on membership, research grants, employment service and calls for papers for section meetings.

ROSENSTIEL AWARD

The University of Miami is selecting nominations for the 1992 Rosenstiel Award to recognize outstanding achievement and scholarship by a scholar in the area of Marine Affairs and Policy.

PROPOSAL UPDATES

Faculty preparing proposals for the 01 November NSF deadline should plan on having the following submitted to the Office of Research Services by 15 October: 4-page form, budget, NSF cover page, budget explanation.

TIMESHEETS DUE

Timesheets for research faculty and staff and state professional staff are due October 10. If you do not receive a timesheet by October 5, please see Jeri.

State faculty who were teaching this summer must sign the roster by the check box in the Main Office by October 10. Others should complete the timesheet Jeri will give them.

CAMPUS FOOD DRIVE

The CAMPUS FOOD DRIVE is in high gear during the month of October.

*Unbreakable, non-perishable items, please.

*Toiletries are also needed.

*Contributions can be dropped off at **Endeavour 195**.

*No time? We will be glad to come by your building to pick up your donation. Call 2-8651.

*No donation is too small.

*You can afford to help.

*Forgetful? I'm the expert on that - put your keys (or helmet) on top of your donation tonight.

*Donating is a great way to build good karma!

DO YOURSELF A FAVOR - GIVE.

11

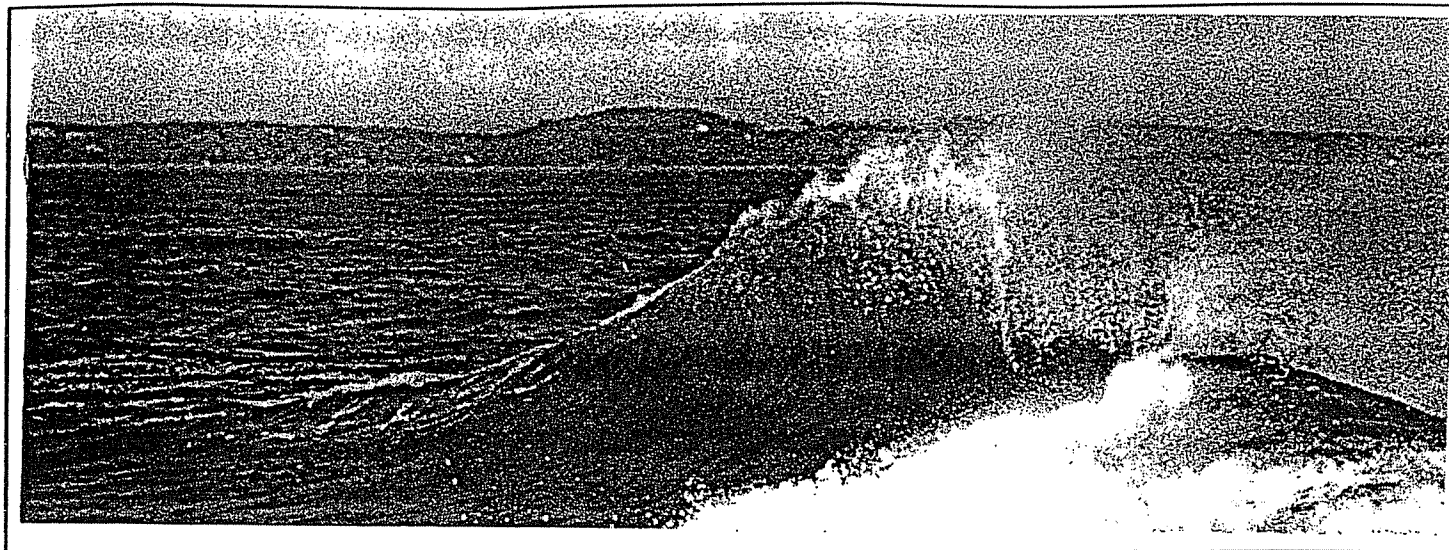


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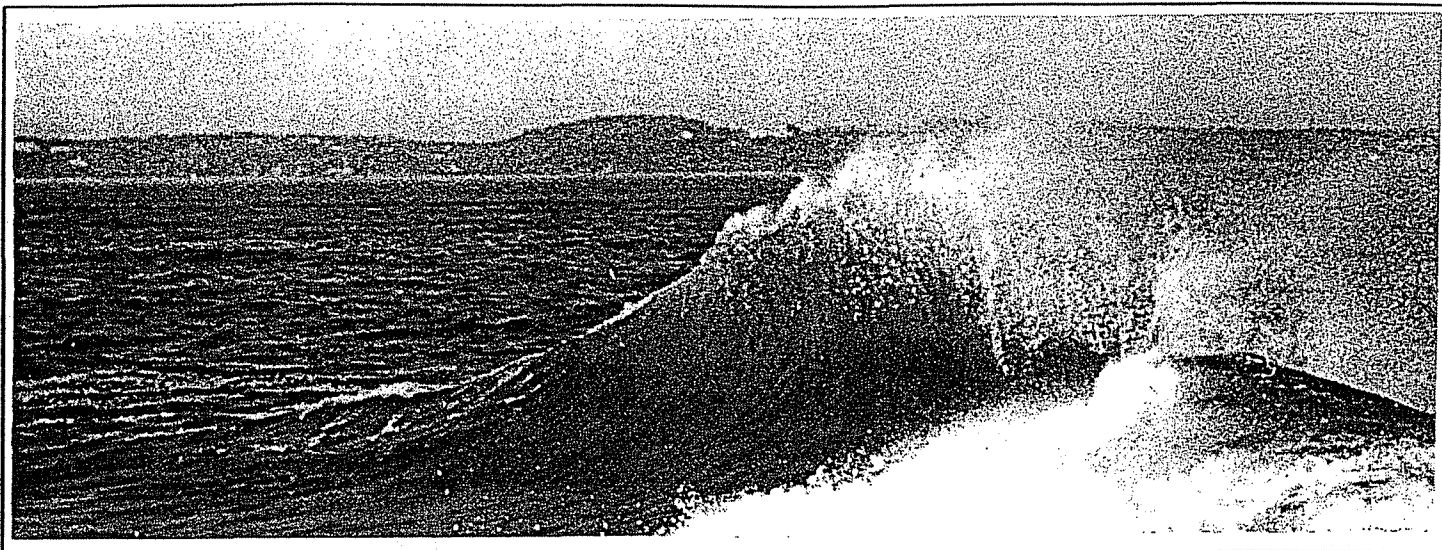


Photo by George Rowland

MSRC SOUNDINGS

Vol. VIII, No. 20

October 5, 1992

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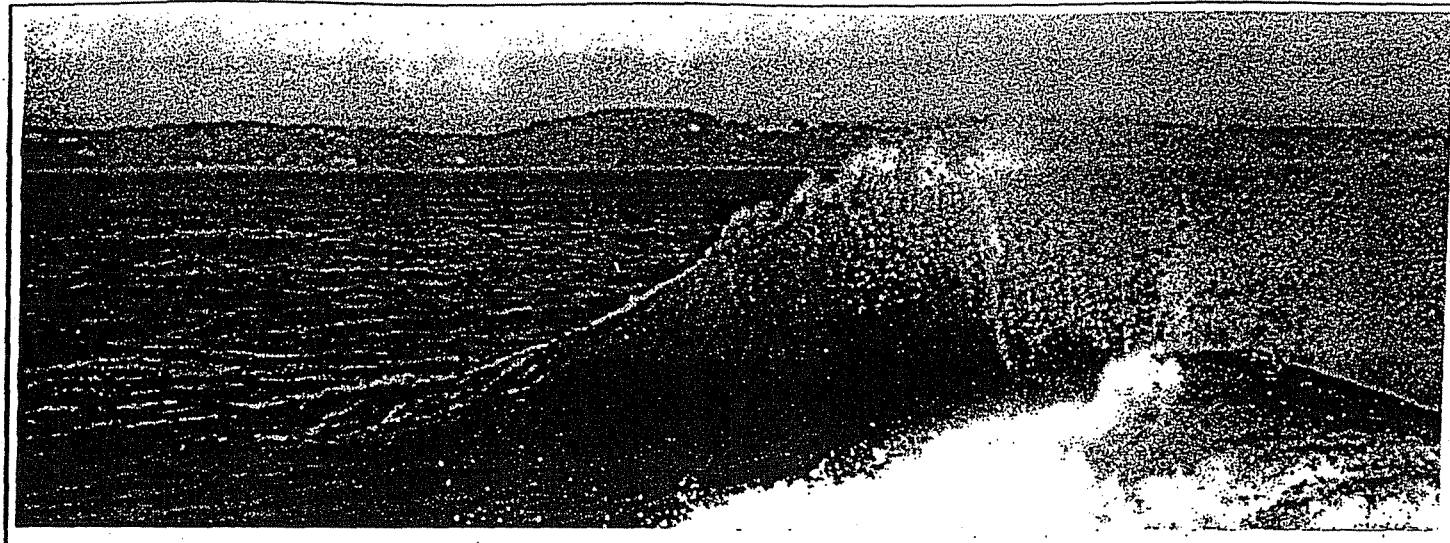


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 21

October 12, 1992

Schedule of Events Oct. 12 - Oct. 18, 1992

MON		
TUES	1700	Soundings due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Decline of the Oyster Industry: Causes and Remedies" William Hargis, Virginia Institute of Marine Science
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "A Volatilization of PCB's from Green Bay, Lake Michigan" Diane Achman, MSRC

EMPLOYMENT CORNER

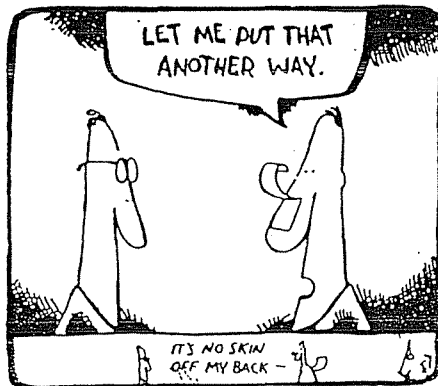
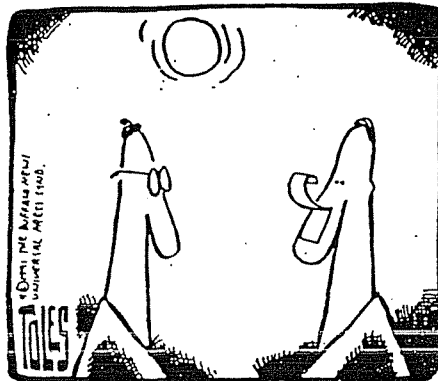
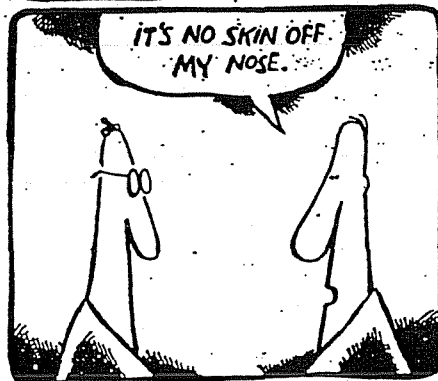
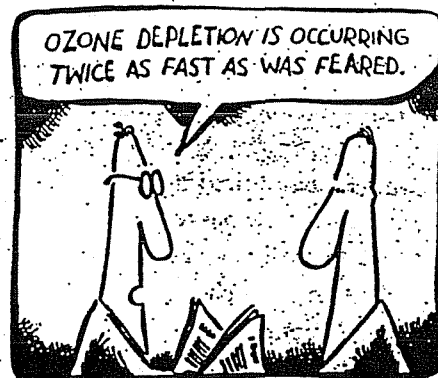
The Conservancy has a number of intern positions available for Winter and Summer 1993. The Main Office has the listing.

William Rizzitello, formerly a research support specialist in Josie Aller's lab, is seeking a position. His resume is in the Main Office.

CALL FOR PAPERS

The International Symposium on Nutrient Dynamics in Coastal and Estuarine Environments has issued a call for papers for the October 13 -16, 1993 meeting to be held in Helsingor, Denmark. Deadline for abstracts is June 1, 1993.

Has anyone seen either SEDIMENTARY ENVIRONMENTS AND FAECIES (Reading) or FAECIES MODELS (Walker) "floating" around MSRC? Both of these textbooks, which belong to Panagiotis Michalopoulos (who desperately needs them to study for his departmental examinations), mysteriously disappeared from Challenger 103 during the Spring semester. If you have any information as to their whereabouts, please let Panagiotis know SOON!



Sounding

IT'S NO SKIN OFF MY BACK -

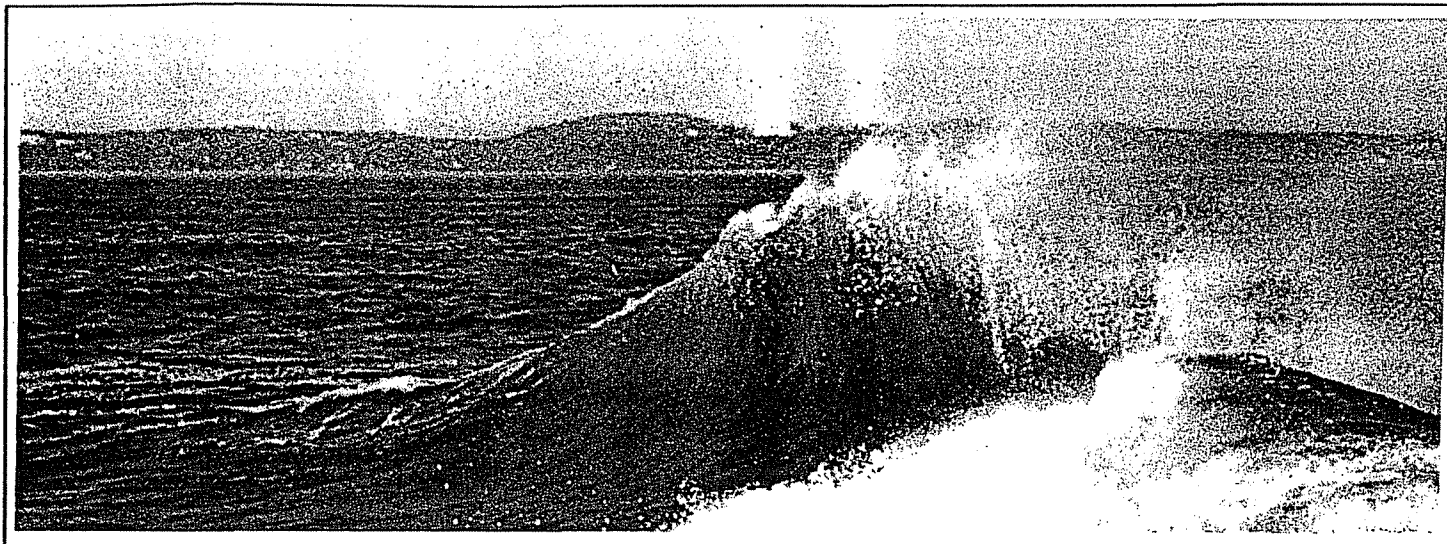


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 22

October 19, 1992

Schedule of Events Oct. 19 - Oct. 25, 1992

MON	1430	MSRC Executive Committee Meeting, Endeavour Hall 113
TUES	1700	Soundings due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "3D Measurements of Swarming Animals" Terumi Ikawa, MSRC
THURS		
FRI	1530	Friday Discussion Group, Challenger 163 "Pattern Formation By Diffusion" Akira Okubo, MSRC

FACULTY MEETING

The next faculty meeting will be held on Monday, October 26, at 10:00 in Challenger 165. Agenda items are due to Jeri by Wednesday, October 21.

SCIENTIFIC EXPO

Purchasing and Central Stores are hosting a scientific expo on Wednesday, October 21 from 10 - 3. Vendors will be there with the latest innovations and technology in the scientific field. The expo will be at HSC Third Floor Gallery.

EMPLOYMENT CORNER

Karina Schmidt, a graduate of the University of South Carolina, seeks a position using her Marine Biology background. Her resume is available in the main office.

The Massachusetts Marine Academy has a temporary position for a Purser/Supply Officer for its Training Vessel. Salary: \$25 - 30,000/yr. The position may be converted to permanent. Deadline for applications is October 30.

The Cousteau Society has a publications intern position. This is a four month, unsalaried position covering all phases of magazine production.

SLIDE CAROUSELS

Three slide carousels have found their way back to the a/v cabinet. There are still six missing. Please check your offices - you can't miss them they are bright yellow. If you discover any, please bring to Jeri Schoof.

Ms. Germaine Clark (BS Biology 1992 Cornell University) is seeking a entry-level technician position in the marine sciences, particularly in the areas of behavior and ecology. In addition to strong science coursework at Cornell, Ms. Clark worked with the Suffolk County Marine Extension Program in the summer of 1991 and has experience in the field and lab aspect of basic water pollution assessment. Her resume can be reviewed in the Main Office.

Things-you-ought-to-know lectures

The next informal student meeting will be held on Thursday, 22 October, between 12 and 1:00 p.m. in Challenger 165. The topic will be "How to Write an Abstract."

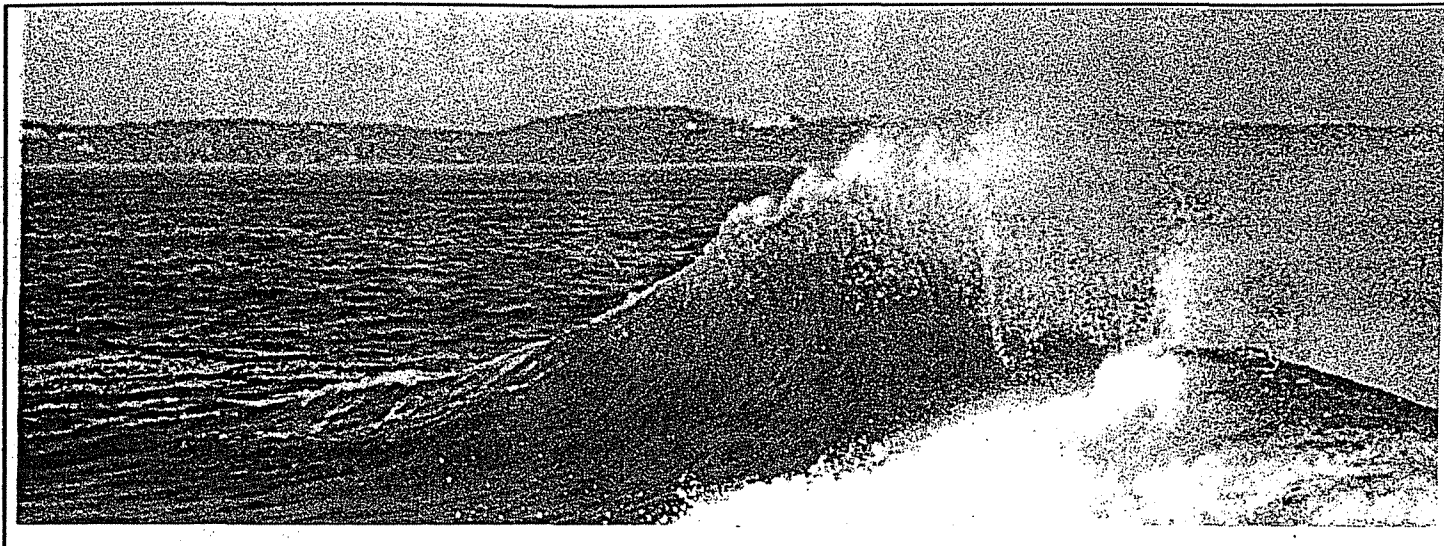


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 23

October 26, 1992

Schedule of Events Oct. 26 - Nov. 1, 1992

MON	1000	Faculty Meeting, Challenger 165
TUES	1700	Soundings due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Frontal Features in Transport and Retention of Reef Fish" Mike Kingsford, University of Sydney
THURS	1200	Student's Tuesday Voluntary "Things You Ought to Know" Challenger 165 Topic: Using Transparencies
FRI	1530	Friday Discussion Group, Challenger 163 "Science in the Venice Lagoon" Kirk Cochran, MSRC

HOUSING NEEDED

Magali Gerino a Post Doctoral Research Associate who will be working with Bob Aller will be arriving from France on November 3rd. She will be looking for immediate housing. Anyone knowing of any housing available (temporary or long term) please contact Bob Aller at 2-8746

SERIAL NO. LABEL

We received a label from Key High-Vacuum Products with a serial # and model #. We do not know who to give it to. If you've ordered something from them recently, please see Aileen in the Main Office.

A/V EQUIPMENT

If a projector malfunctions, please bring it to the Main Office and explain what is wrong so we can have it repaired. Do not leave it in the room. Thank you.

PLEASE TAKE NOTE

Starting Monday 26 October 92, the installation of the new heating and air conditioning units will begin. Discovery building will be first. Gas lines will be run in the ceilings first and this may cause some disruption in your areas. The construction fund will be as accommdating as possible to minimize any inconvenience to you but we must work with them. There will be some trenching of the area near the volleyball court and on the north end of Endeavour. There will also be a long trench from the west side of Challenger all the way down to Dutchess Hall. After the gas lines are finished then the new roof top units will be installed, two at a time, so the whole building will not be without heat. This whole process will occur over the next 3 - 4 months including a new roof on Dana. When I receive the exact schedule I will post it in Soundings. There will also be a 28' long trailer put in the parking area next to Nicolls Road on the east side of Challenger. Please bear with all this inconvenience. We will all benefit from this in the long run with controllable and reliable office heat and air

conditioning. This has been a LONG time coming. Any questions call Cliff Jones at 2-8677.

THANK YOU

Heartfelt thanks to the many who have donated so generously to the Campus Food Drive--and a gentle reminder that this is an ongoing effort. The headlines are preoccupied with politics, but record-breaking unemployment is still upon us--PLEASE GIVE WHAT YOU CAN! Bring donations to Endeavour 195, or call Michele at 2-8651.

REMINDER

If you would like your name to appear in the MSRC Directory, the deadline is October 30th. Please return the requested information to Aileen in the Main Office.

CAN YOU TOP THIS FOR A WEEKLY GROCERY BILL?

THANK YOU FOR
SHOPPING WALDBAUMS
PORTION & CERACLE RD
LAKE RONKONKONA NY
STORE #30 10/21/92

LGE EGGS	.89F
LGE EGGS	.89F
ENT CC COOKI	2.39F
BRKST SR CRM	1.19F
RAVE PUMP	1.69X
ARRID XD SPR	2.59X
PURINA 100	.25X
184/1.00	
PUR LVR CHCK	.25X
184/1.00	
PUR TUNA DNR	.25X
184/1.00	
PUR CTRY DM	.35X
YS CHRY NB S	2.49F
RUST POTATOE	.99F
HRSNY W ALM	2.49F
GROCRY	.79F
NON FD	.79X
NON FD	.79X
PLMRS SLC BC	1.35F

TOTAL 221.14

CHECK 221.14

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4146 16317 6-57PM

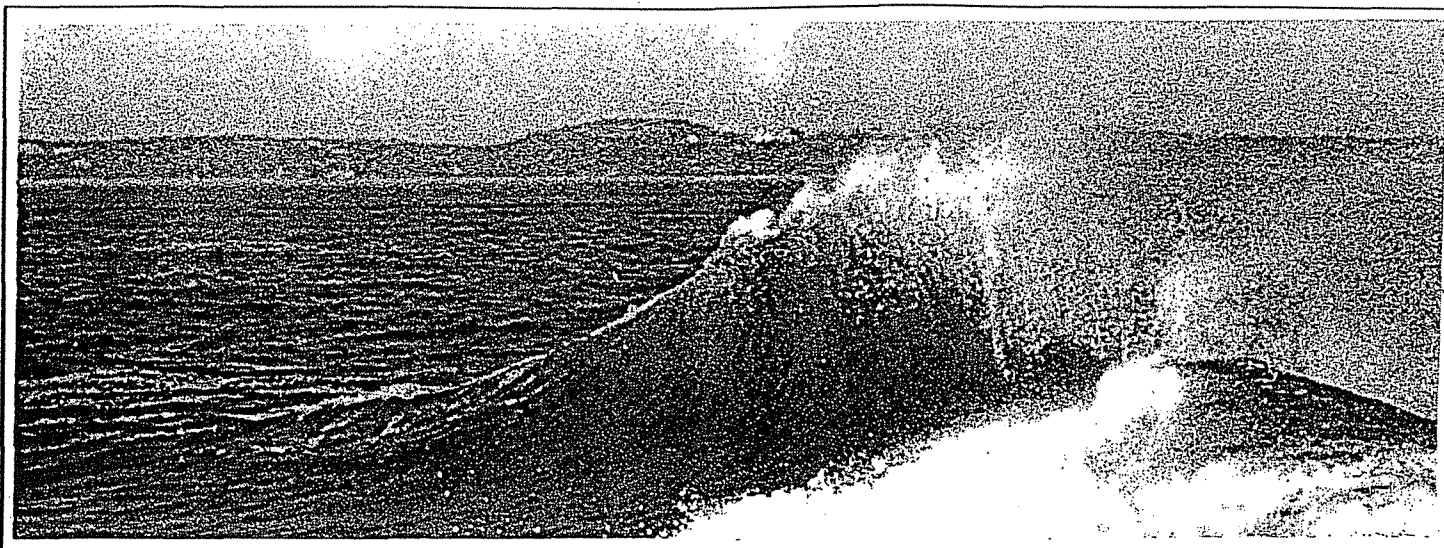


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 24

November 2, 1992

Schedule of Events Nov. 2 - Nov. 8, 1992

MON	1500	Reception for John Milliman, DVS Endeavour 113
TUES	1200	Election Day - don't forget to vote DVS Seminar, Challenger 165 "New Thoughts About Calcium Carbonate Sedimentation In the Oceans: the Importance of Banks, Shelves and Export John Milliman, WHOI
	1700	Soundings entries due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Sediment Discharge by Rivers of the World" John Milliman, DVS
THURS	1200	DVS Seminar Challenger 165 "Rising Sea Level and Subsiding Land: Societal and Economic Impacts" John Milliman, WHOI
FRI	1530	Friday Discussion Group, Challenger 163 "Deep-Sea Submersible Slide" Yaeko Masuchi, University of Maryland

FACULTY MEETING

The next faculty meeting will be held on December 18 at 2:30. Please give agenda items to Jeri by Monday, December 14.

TIMESHEETS DUE

Timesheets for research faculty and staff and state professional staff are due Nov. 10. If you do not receive a timesheet by Nov. 5, please see Jeri.

State faculty must sign the roster by the check box in the Main Office by Nov. 10.

NOTICE TO USERS OF THE REFERENCE ROOM

I am pleased to announce that Diane Holliday, our Library Intern from Queens College for the first part of the semester gave birth yesterday to her first child.

Grace Elizabeth arrived via C section at Syosset Hospital approximately three weeks early and weighed in at five pounds thirteen ounces. According to her mother, she is not only healthy but also extremely beautiful.

Diane is feeling good and she and the baby will be going home in four to five days.

Diane also mentioned that her husband is doing well. (He was present for the delivery.)

Roger Kelly
10/27/92

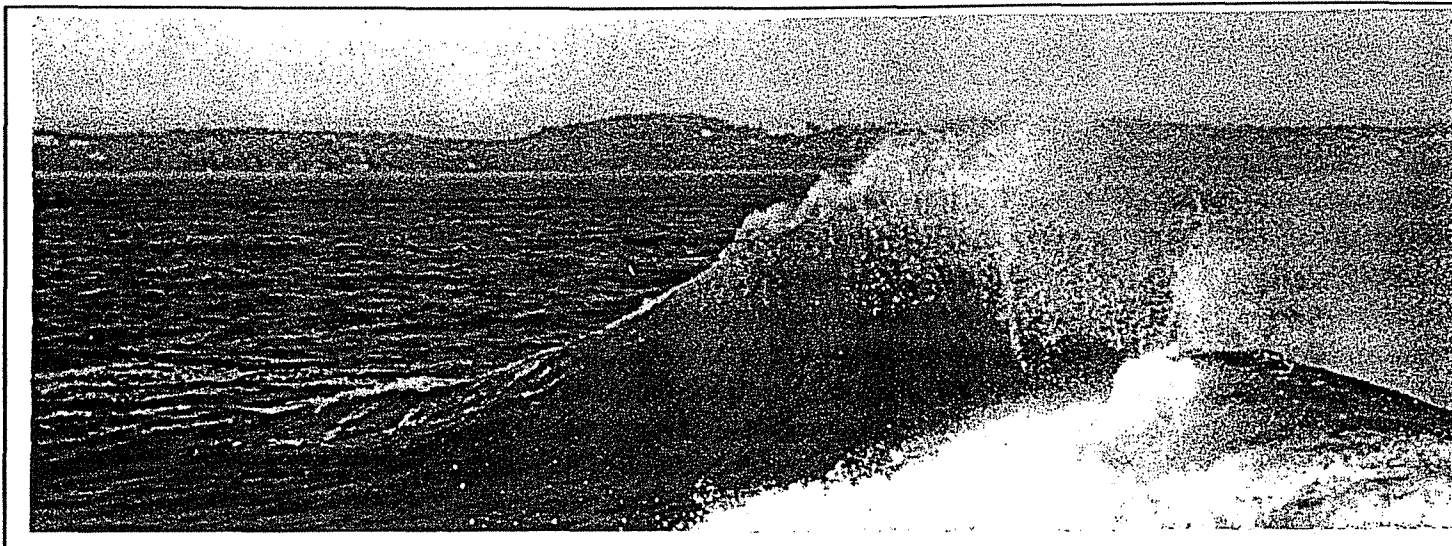


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 25

November 9, 1992

Schedule of Events Nov. 9 - Nov. 15, 1992

MON	1200	"Sexual Harrassment" Discussion Session for Faculty, Challenger 165
TUES		
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Lake-air Exchange of Mercury" Bill Fitzgerald, University of Connecticut
THURS	1200	Student Meeting, Challenger 165
FRI	1530	Friday Discussion Group, Challenger 163 "Bermuda Coral Reef Fish Recruitment" Eric Schultz, MSRC

COLLEGE BOWL

Students are encouraged to participate in College Bowl, a campus-wide competition involving a game of fast paced questions and answers between two teams. Students can sign up individually or in teams of four. Deadline is Friday, November 13. Faculty and staff may volunteer to act as judges or moderators. A registration fee of \$1.00 must accompany applications.

HOLIDAY PARTY

Each year the students coordinate the Center's holiday party. Last year Michael Steinberg served as coordinator and Michael thoughtfully prepared a handbook to guide future coordinators. The student who is "chosen" to coordinate this year's party should see Jeri for a copy.

RESEARCH SERVICES INFORMATION MEETING

If you have not signed up for Kathi MacCormack's lunch-time discussion on November 16, please do so by Thursday, November 12.

DID YOU REMEMBER?

Sally Sternglanz will lead a special discussion on "Sexual Harrassment" for faculty on Monday, November 9. All faculty are encouraged to participate and should let Jeri know immediately whether or not they will participate.

RESEARCH OPPORTUNITY FOR GRADUATE (MS or Ph.D.) STUDENTS

Support is available starting Feb. 1, 1993, to work on a 2-year NY Sea Grant project on food web transfer and depuration of paralytic shellfish toxins, specifically to study interactions between toxic phytoplankton (red-tide causing dinoflagellates), and surf clams.

Please contact Monica Bricelj at 632-8663, or in Dana 105.

EMPLOYMENT CORNER

St. Norbert College in Wisconsin seeks two tenure-track geology/environmental science Assistant Professors. Deadline for application and letters of reference is February 1, 1993.

AVAILABLE

Forma-Scientific incubator in "as is" condition, available at Flax Pond. Coolant system needs work. Will be turned over to property control on November 16. Interested faculty members should call Steve Zahn at 2-8709 to arrange pick-up.

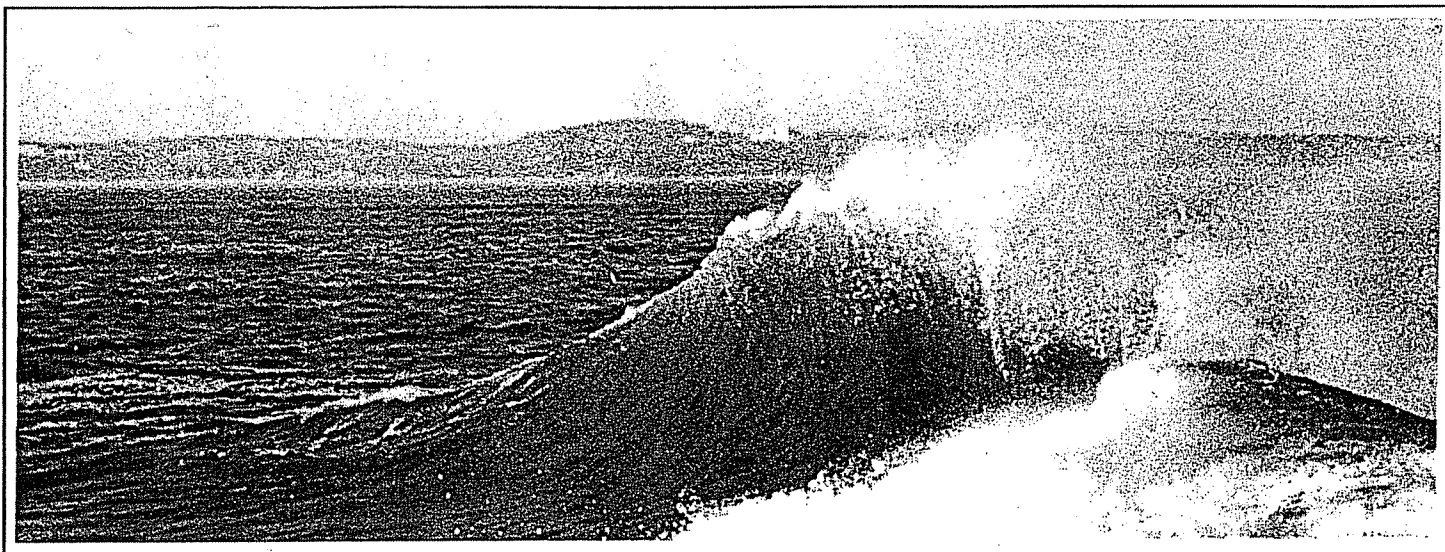


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 26

November 16, 1992

Schedule of Events Nov. 16 - Nov. 22, 1992

MON	1200	Meeting with Kathi MacCormack of Research Services, Challenger 165
TUES	1700	Soundings entries due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Iron Toxicity in Cultures of a Marine Phytoplankter" Robert Guillard, Bigelow Lab, Maine
THURS	1200	MSRC Student "Things You Ought to Know Series, Challenger 165 Topic: How to Make a Research Budget
FRI	1530	Friday Discussion Group, Challenger 163 "Heavy Metals in Compost" Shawn Tisdell, MSRC

EMPLOYMENT OPPORTUNITIES

Michael Pappalardo, a graduate of L.I. University's Marine Program, is seeking a position. His major was Marine Biology and he directed L.I. University's Marine Science Camp in the summer of 1992.

KENNETH P. STAUDTE AWARD:

This \$200 award, given in memory of Kenneth P. Staudte, and alumnus of SUNY Stony Brook, is to facilitate innovative and important research which will contribute to the resolution of an environmental problem. Funds can be used for either field or laboratory studies, for either the MS or PhD degree. 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 proposal simply can be the student's approved thesis proposal to which has been attached a short budget. However, the following specific criteria will be used to evaluate proposals: a clear statement of the importance of the problem, evidence that the work can be completed successfully in a timely fashion, and evidence that the student is making a major personal contribution to development and completion of the project (in particular, we are looking for evidence of originality and creativity on the part of the student, not the supervisor.) The deadline for applications will be 15 December 1992.

TED H. SCHUBEL AWARD:

This award is made annually to assist an outstanding student in the conduct of his/her 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 December 1992.

EPA PLACES PECONIC BAY, NY IN THE NATIONAL ESTUARY PROGRAM

EPA has designated Peconic Bay in New York as the newest estuary in the National Estuary Program (NEP). Peconic Bay, which yielded a commercial shellfish harvest worth more than \$5 million ten years ago, harvested only \$13,000 this year. A public-private partnership, called a management conference, will develop a Comprehensive Conservation and Management Plan over the next three years to identify solutions to the Bay's problems and restore its productivity. EPA will provide \$150,000 start-up for the management conference. Located on eastern Long Island, the Peconic Bay estuarine system provides important habitat for fish, shellfish and waterfowl, as well as scenic and recreational opportunities. Peconic Bay is threatened by urban and agricultural runoff, shoreline development, algal blooms and boat and sewage treatment plant discharges. The NEP was established by Congress in 1987 to identify and protect nationally significant estuaries.

NOTE: This Council on Ocean Affairs Bulletin just arrived may be of some interest.....Malcolm Bowman

Posted: Mon, Nov 9, 1992 4:54 PM EST Msg: LGJC-5444-1450
From: K.BOLOGNESE, COA headquarters, Washinton DC
To: Council on Ocean Affairs members
Subj: NSF COMMISSION MEETING, 11/7/92

The Commission on the Future of the National Science Foundation conducted its final public session on Saturday, November 7, with COA staff in attendance. Discussions centered on what to include in the Commission's written report and recommendations, to be issued on November 20.

Some of the major elements of the report will include the following subjects:

* **INTERDISCIPLINARY RESEARCH** -- The Commissioners felt that an interdisciplinary approach is becoming increasingly critical to the advancement of science and NSF should evaluate and determine how to assist in promoting support for interdisciplinary studies in a variety of subjects and activities.

* **BASIC RESEARCH** -- The consensus appeared to be that there should be no diminution for basic research support by NSF. Basic research should remain its primary function. The Foundation should not be expected to acquire too many additional mandates or it will spread itself too thin, lose its central focus and become ineffective. Other agencies must be expected to play their rightful role. What the Foundation needs to be able to do better is show the link and benefit of basic research to science and technology. Many examples exist from which to draw upon. The report will reaffirm the Foundation's historic mission.

* **ROLE OF NSF IN COMPETITIVENESS** -- The term "competitiveness" can be associated with a new research paradigm with respect to national security and economic well-being, replacing the "Cold War" paradigm. Basic research and NSF will be as relevant and important in the new era as it was previously. The challenges presented by a new international order may necessitate a more cooperative mode within the scientific and research communities, including government, academia, and industry, if the U.S. standard of living is to be maintained.

* **TECHNOLOGY TRANSFER** -- A long discussion on technology transfer ensued during the Commissions proceedings. Questions were raised what the term meant, whether it should be included in the report at all, and if so, to what extent should NSF's involvement be in this area. While it seems as if the issue will be included in the report, the exact means in which this will be done was not totally resolved.

* **INTERNATIONAL COMMUNITY** -- The Commissioners believed that the beginning of the report should place U.S. science and technology policy within the context of the current international scene. A short reference in this regard would facilitate the understanding

of the nature of the report's recommendations.

*** ROLES OF DIFFERENT PEOPLES** -- Only through ensuring that the tremendous human diversity in the U.S. participates fully in research and science can economic progress be optimized. The Foundation must continue to foster the contribution of all human sectors of society to capture the wealth of talent that might otherwise be foregone.

*** INSTRUMENTATION FACILITIES AND EQUIPMENT** -- This vital area has been almost ignored in recent years. Nevertheless, the Commissioners felt quite strongly that it is vital and needs much more support.

*** EDUCATION AND TRAINING** -- The discussion on this subject covered several different areas. Many Commissioners believed it was important for NSF to encourage better science education among those who are not seeking careers in science and research. By improving science education for all, including "non-academics", and not concentrating solely on the "elites", will the U.S. ensure a workforce that is scientifically literate, and can compete with their counterparts from other industrialized countries. Private industry can help develop the syllabus of a business or engineering school. Science education in K-12 must be improved. The role of the Department of education must be reviewed.

*** MEASUREMENTS** -- The consensus among the commissioners appeared to be that this section of the report should be short and succinct and focus on accountability, management, and quality of activities. The major caveat is that long-term research defies measurement.

*** FUNDING** -- It was clearly recognized that financial resources is perhaps the most fundamental issue which underlies the whole debate regarding U.S. science policy and the role of the NSF. It was noted that doubling the Foundation's funding over the next five years is an unrealistic expectation. However, any additional mandates, will necessitate corresponding funding. Not only does the state of NSF hang in the balance, but so does the science policy of the U.S.

*** CARNEGIE COMMISSION REPORT** -- Finally, the Commissioners discussed what the report's preamble might say. It was agreed that some reference, in addition to the international dimension, should be made to the Carnegie report. Such issues as the social contract for science, how NSF has contributed to the U.S. economic prosperity and national security, the need for continued public support, and the recognition that NSF can be improved will be subjects in this section of the report.

Some issues will be included in the report which were not discussed at the meeting. If you need additional information, please let me know.

Regards, Kerry, COA Staff Director

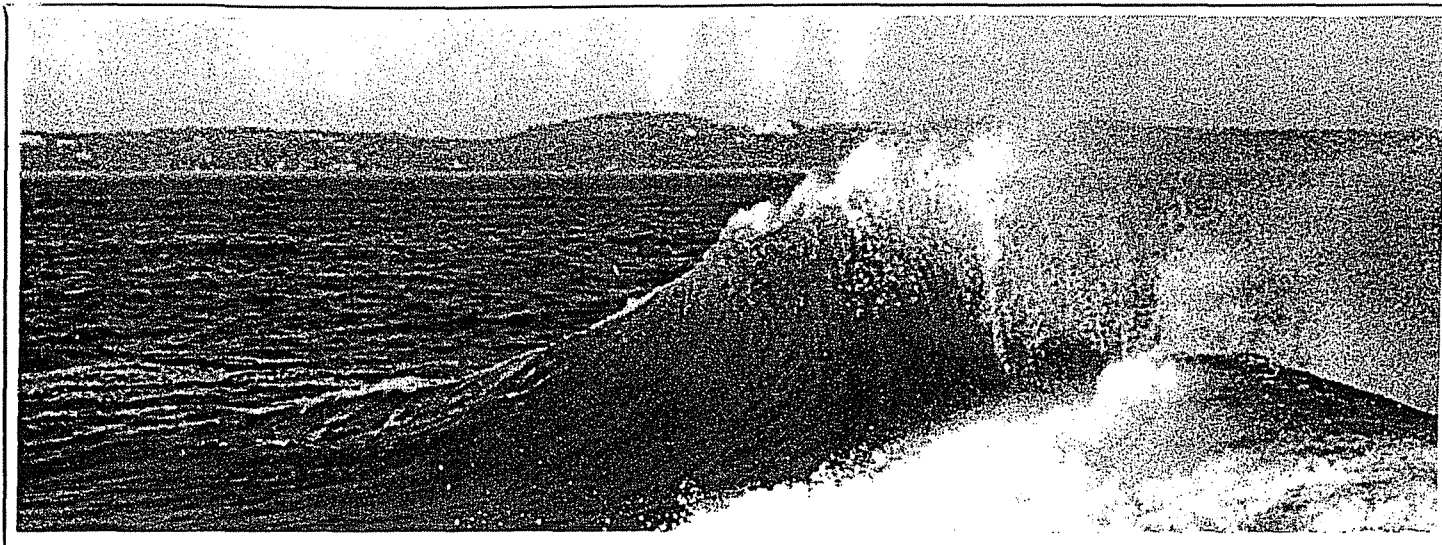


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 27

November 23, 1992

Schedule of Events Nov. 23 - Nov. 29, 1992

MON		
TUES	1600	ITPA Seminar, Physics Bldg. Rm C120 "Geochemistry of Sedimentary Rocks and Evolution of the Earth's Atmosphere and Hydrosphere in Late Precambrian and Phanerozoic" Dr. Andrey V. Sochava, Russian Acad. of Sci.
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Climates, a Critical Trophic Link in L.I. Bays" Darcy Lonsdale, MSRC
	1600	Research Paychecks may be picked up at the Main Office
THURS		THANKSGIVING DAY - ENJOY!
FRI		Main Office Closed

EMPLOYMENT OPPORTUNITIES:

The Dept. of Meteorology of the Pennsylvania State University seeks applicants for two or more tenure track faculty positions in the areas of:

Physical Oceanography
Atmospheric Sciences

Initial review of applications will begin Dec. 15.

PERSONAL NOTES:

I am still collecting postal stamps for a friend. If you receive international stamps and normally just throw them out, I'd appreciate it if you would cut them off the envelope and place them in my mailbox. Thank you.

Jeri Schoof

FACULTY MEETING:

The next faculty meeting will be held on Friday, December 18, at 2:30 p.m. Please give agenda items to Jeri by December 14.

KEEPER OF THE FISH TANK:

We need a caretaker for the Center's fish tank in Challenger. If you have an interest, please see Jim Mackin.

MAILROOM NOTES:

If you are sending anything out with an imminent deadline, do not use Priority Mail. There is no guarantee of the 2-3 day delivery that the Post Office publicizes. You should use Express Mail or Federal Express in those instances where missing the deadline is critical. It will cost you more money but will ensure that you make your deadline.

JOB ANNOUNCEMENT

Waste Management Institute
R. L. Swanson, Director
Marine Sciences Research Center
State University of New York at Stony Brook
Stony Brook, NY 11794-5000
(516) 632-8704

The Waste Management Institute (WMI) of the Marine Sciences Research Center, State University of New York at Stony Brook, is seeking a Marine Specialist. The incumbent will be responsible for maintaining a public outreach program, synthesizing technical and scientific information including marine pollution and solid waste issues and assisting in the administration of the Institute. Duties will include: (1) representing the Director at various technical functions and public meetings; (2) developing public outreach information including scientific articles and congressional testimony; (3) providing editorial expertise to WMI; (4) administering the graduate certificate program in waste management; (5) writing research grant proposals related to waste management and marine science; and (6) carrying out scientific research. The successful candidate should demonstrate proficiency in verbal and written communication. Experience in development of public interest information from scientific and technical material is expected.

QUALIFICATIONS: Bachelor's degree required, Master's degree preferred (or 4-5 years experience). Must have general scientific background to deal with complex environmental and ecological data and information and to be able to discuss the Institute's research with a variety of interested groups.

The University at Stony Brook is an equal opportunity/affirmative action employer and educator.

UPDATE: 11/10/92

MEMO: To MSRC faculty, staff, students.

FROM: Malcolm Bowman and Akira Okubo

RE: MSRC Graduate Seminar MAR580 (Spring 1993)

The beginnings of the calendar for the 1993 Spring semester. Please submit your suggestions for exciting speakers! Students, please direct your suggestions through your advisor or councillor.

DATE	SPEAKER	AFFILIATION	HOST	STATUS	TOPIC/TITLE
2/3	Robert Wilson	MSRC	M. Bowman		Tidal dynamics of the Hudson Estuary
2/10					
2/17					
2/24	Victor Smetacek	Alfred-Wegener Inst. Polar & Marine Res.	Nick Fisher		To be announced
3/3					
3/10					
3/17	Paul Moore	Monell Chemical Senses Center, Philadelphia	A. Okubo	OK @ 11/4/92	Spatio-temporal information in the 3 dimensional fine structure of an aquatic odor plume
3/24					
3/31	Bob Beardsley	WHOI			
4/7	Spring Break				
4/14					
4/21					
4/28					
5/5					
5/12					

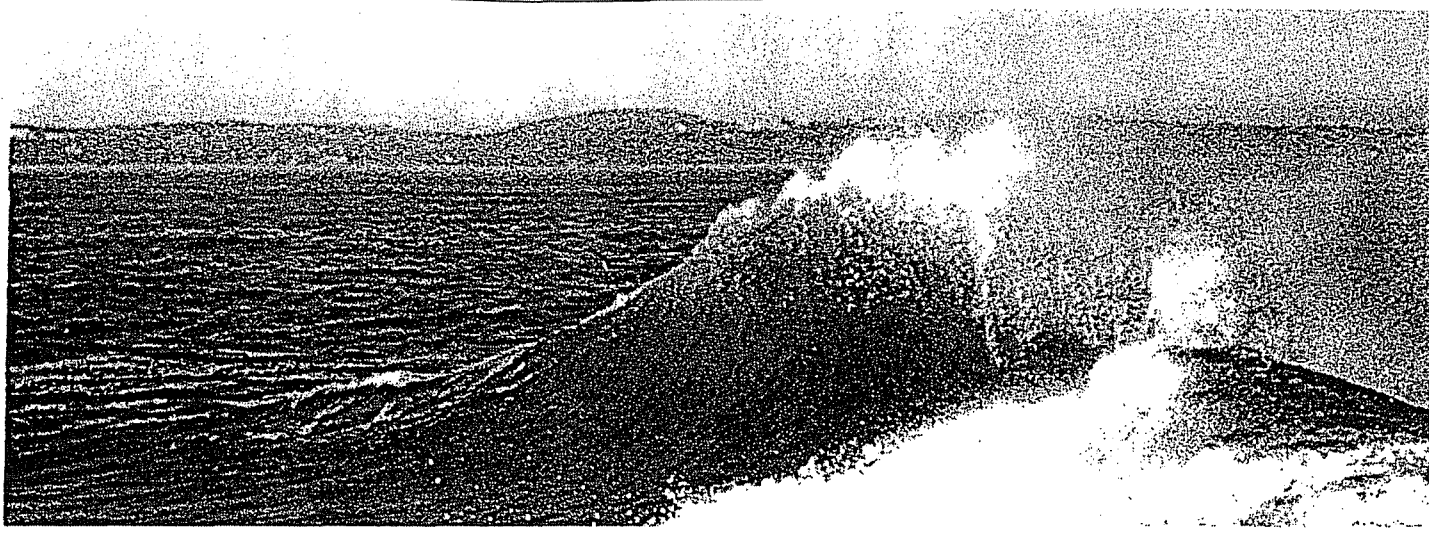


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 28

November 30, 1992

Schedule of Events Nov. 30 - Dec. 6, 1992

MON		
TUES	1700	Soundings entries due to Jeri
WEDS	1200	MSRC Weekly Seminar, Challenger 165 "Turbulence" Hartmut Peters
THURS		
FRI		Friday-Discussion-Group Challenger 163 "AGU Practice Talk Sessions" J. Jacger, C. Sommerfield, Sidney Fauria M. Allison, Ajit Subramaniam

COLLEGE OF ARTS AND SCIENCES

Stephen Spector, convenor of the Provost's Task Force on the possible formation of a College of Arts and Sciences with a single dean, solicits your comments on the strengths and weaknesses of the present divisional structure and potential benefits/difficulties of a single college. Comments should be sent via All in One or to the English Department by December 1.

EMPLOYMENT CORNER

NOAA's Pacific Marine Lab in Seattle, Washington has an opening for an Oceanographer, Grade GS 13 or 14. Salary range \$46,210 - 70,987. Application deadline 1/31/93.

LOST AND FOUND

Mary Scranton found a pair of prescription eyeglasses in Challenger last week. Please see Joanne to claim them.

FRIDAY DISCUSSION GROUP

The Friday Discussion Group will hold its annual AGU Practice Talk session on 4 December 1992 at 3:30 in Challenger 163. We have about 5 people who have expressed an interest in practicing their talks (abstracts posted on the bulletin board across the hall from Mary Scranton's office, Challenger 140). Anyone else who is interested in presenting their talk in front of a friendly but honest audience should contact Mary Scranton as soon as possible.

Speakers to date include: Sidney Fauria, Ajit Subramaniam, John Jaeger, Chris Sommerfield, Mead Allison.

FOR SOUNDINGS

An update from Greenpiece on the Earth Day plantings at MSRC

Now that we have taken most or all of our losses with summer weather and limited water distributing capabilities, the MSRC "Greenpiece" chapter can proudly claim success in its Greening of MSRC campaign. The campaign began on Earth Day/Open House last April with John Reinfelder and Bill Wise's commemorative planting of several of the more than 1,000 seedlings ordered by Bill through a special deal with the DEC.

For those who don't know, there never used to be plants by the boathouse or at the wooded margins of our parking lot, or in the planter outside Dutchess Hall, or for that matter, row upon row of seedling spruce trees at the Parsons house and on university property by P-lot. And for those who don't know, the planting campaign began with a number of us jumping to the rescue as our Associate Director kept shaking his head and muttering, "What am I going to do with all those plants?"

These planters are--besides John, who took the worst duty, digging holes in the rain on the day of the Open House--Bill Wise, who planted more than all of us put together and carried water in buckets to the plantings away from a water spigot; Doreen Monteleone, who shared her gardening skills and know-how with all of us; Felix Edwards, who planted and watered nearly as much as Bill; and me, who forced everyone into another (as if we didn't have enough to do) campaign to fetch compost from the town facility.

As the toronto crabapples, silky dogwoods, high bush cranberries, white spruces, and honeysuckle reach respectable size, we hope everyone will appreciate these efforts, particularly those of Bill Wise, who felt a special duty to keep us planting until each and every seedling was installed. By the year 2007, the spruces from the plantation at the Parsons house will be replanted around campus, perhaps replacing the black pines that died in the recent blight.

Trudy Bell

*The 1992 MSRC
CHRISTMAS
HANUKKAH
KWANZA
WINTER SOLSTICE
NEW YEAR'S
END OF SEMESTER
PARTY
WILL TAKE PLACE
FRIDAY, DEC 11
STARTING AT 6 PM
IN CHALLENGER 165*

*PLEASE SIGN UP TO BRING FOOD ****
AND SEE KATE REYNOLDS
TO HELP!!!!*

*** Please sign up in
mailroom

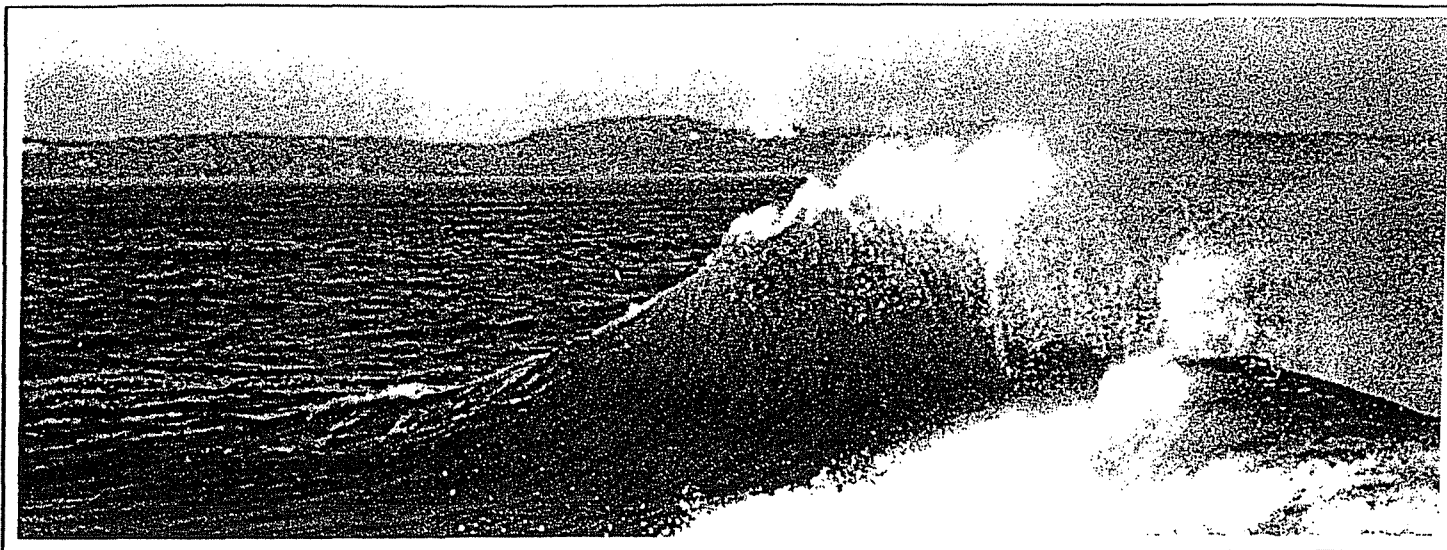


Photo by George Rowland

MSRC SOUNDINGS

Vol. VII, No. 29

December 7, 1992

Schedule of Events Dec. 7- Dec. 13, 1992

MON		Computer Store Vendor Demo - IBM
TUES		Computer Store Vendor Demo - DEC
WEDS	1200	Computer Store Vendor - Apple MSRC Weekly Seminar, Challenger 165 "Benthic Boundary Layer Ecology" Mike Judge, Ecology and Evolution
THURS		Computer Store Vendor Demo - Apple
FRI	1530	Friday Discussion Group, Challenger 163 "Oceanographic Problem Solving Class Presentation"

EMPLOYMENT OPPORTUNITIES

The Maryland Department of Natural Resources has a Research Statistician VII position vacancy in its Fisheries Research Program (FRP). The vacancy is full-time, permanent, and unclassified at a salary range of \$32,515 - 42,708.

Persons interested in applying for this position must submit a current curriculum vitae with names of three references, a cover letter and salary requirements. The closing date for receipt of these materials is 31 December 1992.

CONFERENCES

The Electrorheological Fluids 4th International Conference will be held on July 20-23, 1993 in Dornbirn-Bregenz, Austria. Abstracts are due January 6, 1993.

EQUIPMENT NEEDED

Illuminated Photographic Copy Stand. Willing to pay little or nothing. (Think how much more spacious your closet, attic or basement will be without that dusty old thing.) Contact Gordon 2-8688. Thanks.

THANKS

A note of thanks to all of you who have been giving me postage stamps. I pass them along to a seriously ill friend. He is thrilled with each package I send him and I'm sure all of you are contributing to his mental, if not physical, well being. Thanks again.
Jeri

Ceilly! Hey!



The premiere performance of an experiment in dancedrama focusing on the dilemma of the struggling baymen of Long Island's Great South Bay.

Conceived and developed by Amy Sullivan and Bill Bruehl.

December 3-5, 8-12, 1992 8 pm

December 6 & 13, 1992 2 pm

Theatre One, Staller Center for the Arts

Tickets: \$8 general, \$6 students and senior citizens Box Office: 632-7230

produced by the Department of Theatre Arts, State University of New York at Stony Brook



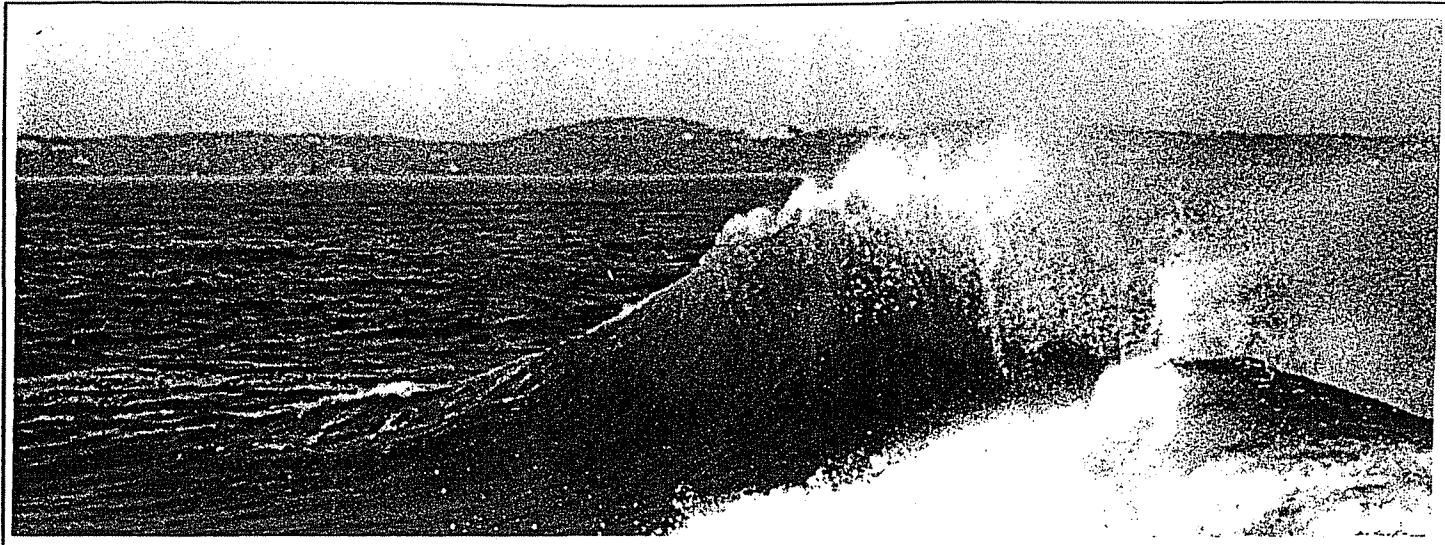


Photo by George Rowland

MISRC SOUNDINGS

Vol. VII, No. 30

December 14, 1992

Schedule of Events Dec. 14- Dec. 20, 1992

MON		
TUES		
WEDS		
THURS		
FRI	1200 1430	Staff-Holiday Lunch, Challenger-165 Faculty Meeting, Challenger 165

NEWS FLASH FRIDAY DEC. 11, 1992

THE HOLIDAY PARTY IS TONIGHT, 6PM,
CHALLENGER 165.

EMPLOYMENT CORNER

TECHNICIAN WANTED to study high-temperature adaptation in kelp. M.S. or equivalent experience in enzyme analyses and or photosynthetic physiology preferred. 3-year position starts 1/93. Salary \$20-22K. Apply by 12/21. Contact Val Gerard, 107A Dana Hall, 2-8675.

Tamara Gage, a senior at the University of Michigan majoring in Biology is seeking a position. Her resume is in the main office.

The Department of Geological Sciences, California State, has two tenure track faculty positions open in the field of hydrogeology, engineering geology, and structural geology. Rank is open. Deadline is January 15, 1993.

The Estuarine and Coastal Modeling 3rd International Conference will be held on Sept. 8-10, 1993 in Chicago, Illinois. Abstracts are due Feb. 1, 1993.

FACULTY MEETING

The faculty meeting will be held on December 18 at 2:30 in Challenger 165. Agenda items are due on December 15.

HOLIDAY BREAK FOR SOUNDINGS

Soundings will not appear for the period December 21 - January 29. The first issue for the spring will be February 1. Deadline for entries will be January 26.

REMINDER

Comments are invited on Darcy Lonsdale's candidacy for promotion to Associate Professor with tenure. They must be in memo or letter form and signed and will be kept in confidence unless you indicate that Darcy may see them. Deadline for inclusion in Darcy's file is January 15.

CONFERENCES

Three national videoconferences on the theme "Building Connections" will be held on January 14, March 4, and April 22. They are sponsored by the American Institute of Architects and EPA.

DEADLINE FOR STAUDTE AND SCHUBEL AWARDS EXTENDED TO 22 DECEMBER 1992.

CLUB MEMBERSHIP

Anyone interested in joining the Argonauts of Stony Brook, a new campus sailing and motorboat club, should contact George Blyakhor (2-3844).

FAIRWELL

We are sad to be leaving MSRC after 6½ years. Our experiences here have, almost without exception, been wonderful. It is hard to leave such an enjoyable work/school environment. We greatly appreciate the affection shown to us by all that attended our farewell party at Dublin Delights--we had a wonderful time. We wish we could express to you how much it meant to us. We also love our gifts. Thanks. Come visit us in Norfolk.

Anne and Arnoldo

RESEARCH PAYCHECK DISTRIBUTION

The December 25 Research Paychecks will be available after 3pm on December 23. Individuals will have to go to Payroll room 361 with identification to pick up their own checks. Employees may not pick up paychecks for anyone except themselves.

Program Announcements Received

(Contact Kirk Cochran for further information)

Agency	Program	Deadline
NY Sea Grant	Biennial call for preproposals - Marine & Great Lakes Topics & Issues	December 30, 1992
NOAA	Natl. Status & Trends - Industrial contamination of coastal US using sediment cores - focus: Gulf of Mexico	Jan. 8, 1993 (pre-proposals) Feb. 26 (full proposals)
DOE	Postdoctoral Fellowships - Global Change Research Program	Feb. 15, 1993
Army Corps of Engineers	Coastal benthic & fisheries ecology	Dec. 15

Submitted for Soundings, 8 December 1992:

HOLIDAY SPONSOR PROJECT

The response of the MSRC community to the Holiday Sponsor Project has been just as I expected - wonderful! We had sponsors signed up for 15 members of the family within days. There are three teenagers who have not yet been sponsored: Nellie (17, ladies large), Raoul (16, mens large), and Elida (15, ladies x-large/large). If you would like to help but don't have time, we will be glad to do the shopping/wrapping for you. Any help would be warmly received.

To those of you who signed up to sponsor, please remember that this family is extremely poor. All eighteen of them live in two rooms in a shelter in Wyandanch. They need socks, underwear, pajamas, gloves - practical, warm clothing. We would love to see the children get toys also, but just do what you can comfortably do.

One last personal note, to address comments heard and overheard regarding this project and the ongoing food drive. Try to bear in mind that there are a lot of different reasons why people end up in these situations, and it's not up to any of us to judge these families. A disadvantaged, religious family full (really full) of innocent children never deserves to live like they do, particularly in a country and county as wealthy as ours. We luckier folks have an obligation to help those less fortunate with their immediate needs. I welcome anyone with an opposing viewpoint to contact me regarding this.

- Michele McTernan, Endeavour Hall Room 195, 2-8651 or 2-8716.