
Because of the last-minute demands of preparing the SUNY/Cornell Sea Grant Proposal (see "Sea Grant News"), it was necessary to supplant the winter and spring Newsletters with a joint issue.

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SUNY WILL JOIN CORNELL AND U. NEW HAMPSHIRE THIS YEAR IN SPONSORING A SUMMER MARINE SCIENCE PROGRAM, a four-week general introduction to oceanography and marine biology offered to 30 students from the sponsoring institutions. Dr. John M. Kingsbury, Professor of Botany at Cornell, initiated the program in 1966 as a two-week field biology course. In 1969 the University of New Hampshire joined the effort and the current format was developed. About 25 faculty members participate in the course as do boat captains, fishermen and others who make their living from the sea.

The first half of the program is offered by Cornell at its facilities at Isles of Shoals, an island grouping 10 miles off the New Hampshire coast where a joint SUNY/Cornell cold-water marine station is planned. Students observe the ecology of the islands and their surrounding waters and receive practical instruction in oceanographic techniques and aspects of the commercial fishing industry.

The second two weeks are spent at the Great Bay-Little Bay estuary, which covers over 15,000 acres of southeastern New Hampshire. Using laboratory facilities of the University of New Hampshire, students study primary productivity of the region, the microbiology of the marine environment and the outstanding biochemical characteristics of marine organisms.

The course this summer will be given June 5 to July 2. Further information and application forms may be obtained from:

Dr. John M. Kingsbury, Director
Summer Program in Marine Science
B-20 Ives Hall
Cornell University
Ithaca, New York 14850

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TWO TRAINING PROGRAMS ARE SCHEDULED FOR DISCOVERY BAY LABORATORY THIS SUMMER. Fifteen students from SUC/Oswego will spend three weeks in June at the Laboratory, where biology professors Norman J. Gillette and Carlita L. Snygg will offer three-credit courses in marine botany and marine zoology.

In July, 12 advanced graduate students selected through national competition will take part in a program in carbonate sedimentation and diagenesis sponsored by the Organization of Tropical Studies. Dr. Clyde Moore of the Department of Geology, Louisiana State University, is program leader.

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FACILITIES

THE MARINE SCIENCES RESEARCH CENTER MOVED IN MARCH INTO ITS OWN BRAND-NEW BUILDING on the South Campus, SUNY/Stony Brook, the first centralized quarters for its faculty, students and staff in the Center's history. The Center had been dispersed throughout three floors of the Earth and Space Sciences Building in addition to having space and facilities elsewhere on the Stony Brook campus.

The new one-story structure, which was specially designed for the Center, contains approximately 17,000 net square feet of space, or nearly one and a half times the amount previously allotted the Center. Ten faculty research, two graduate research and two teaching laboratories--wet and dry--each over 600 net square feet in size are included as well as fully equipped optics and electronics laboratories, a machine shop, calculating room, dark room, library, conference room and behavior laboratory.

Acquisition of the new building marks the first time the Center has its own teaching facilities. In addition, space is now available for visiting investigators and classes--impossible under the previous arrangement--so that the Center may fully meet its mandate as a University-wide facility.

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A 65-FOOT T-BOAT "CHARLES A. DAMBACH" WAS ACQUIRED BY THE GREAT LAKES LABORATORY for research-education activities on Lakes Erie and Ontario and the Niagara River. The ship, obtained from the U.S. Army Corps of Engineers through FWQA, contains a well-equipped laboratory in addition to the usual amenities. SUNY staff members who wish to rent the vessel may do so at a tentative charge of \$300 per day, which includes the services of a pilot and deckhand-cook. Detailed information is available upon request.

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AWARDS

A \$17,000 SUBCONTRACT TO STUDY THE POTENTIAL ENVIRONMENTAL IMPACT OF A BRIDGE ACROSS LONG ISLAND SOUND at eight alternative sites was awarded MSRC by Creighton, Hamburg, Inc., prime contractors to the N.Y.S. Department of Transportation. Edwin J. Tuthill is principal investigator on the project, scheduled to run from January to June, 1971.

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THE DISCOVERY BAY LABORATORY, JAMAICA, RECEIVED A \$14,800 GRANT FROM THE NATIONAL SCIENCE FOUNDATION for a study, "Behavior and Immunology Correlates of the Species Problem in Hermatypic Scleractinia." Donald F. Squires and Judy Lang are, respectively, Program Director and Principal Investigator on the one-year project.

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APPOINTMENTS

Dr. M. Grant Gross, as Associate Director, Research, MSRC. Dr. Gross is a Senior Research Oceanographer at the Center.

Dr. J.L. McHugh, Professor of Marine Resources and Senior Research Biologist, MSRC, to the Committee on International Marine Science Affairs Policy of the National Academy of Science, in December, 1970; to the Fishing Industry Advisory Committee, U.S. Department of State, in January, 1971; and to the Committee on International Fisheries, American Fisheries Society, also in January. Dr. McHugh is also a member of the International Whaling Commission.

Mr. Harold Glover, as Assistant Professor, Great Lakes Laboratory, on November 1, 1970. A graduate of the University of Tennessee, Mr. Glover has 20 years' experience at DuPont and in the U.S. Army. At the GLL he instructs in the Environmental Technician Training Program for inner city residents, run cooperatively with the Urban Center of Erie Community College.

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RECENT PUBLICATIONS

Gross, M.G., Oceanography, ed. 2, Columbus, Ohio: Charles E. Merrill, 1971, 160 pp. This undergraduate text presents a non-mathematical approach to the science of the oceans, integrating geology, chemistry and physics. The processes controlling oceanic features and the recent studies of structural chemistry of sea water and of coastal oceanography are emphasized.

Hardy, C.D. and Weyl, P.K., Hydrographic data report: Long Island Sound, 1970, MSRC Technical Report No. 6, November, 1970.

Gross, M.G., Analyses of dredged wastes, fly ash, and waste chemicals--New York metropolitan region, MSRC Technical Report No. 7, October, 1970.

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SEA GRANT NEWS

A PROPOSAL REQUESTING INSTITUTIONAL SEA GRANT SUPPORT FOR NEW YORK STATE WAS SUBMITTED ON FEBRUARY 25 by SUNY and Cornell to the National Sea Grant Office, National Oceanographic and Atmospheric Administration. The three-volume, 643-page document contains a request of \$679,745 for the first program year, with an additional \$378,563 in matching funds committed by the applicant consortium. These figures and the projects included in the proposal were approved by the Sea Grant Governing Board at their December, 1970 meeting. The size of the request, approximately half that originally put before the Board, is in accordance with Sea Grant Guidelines.

The first-year program includes 23 research projects and three training projects as well as a protocol for establishing an advisory services program and a program management structure. The percentage of funds allocated to these activities again follows Sea Grant guidelines and reflects the relative commitment to each: research, 52.4% of the total request; training, 11%, advisory services, 26.1%; program management, 10.5%.

The emphasis of the proposed research followed recommendations of two Advisory Councils, marine and Great Lakes, representing the outside marine sector. Top priority was given to environmental quality (\$193,421 requested project support). Other priority areas were coastal utilization and management (\$9,732) and resource development (\$88,592). The research budget is divided almost evenly between the marine region and the Great Lakes.

Fifteen university units have projects in the first-year proposal: Cornell University, SUNY/Albany, Binghamton, Buffalo and Stony Brook; the MSRC, Western New York Nuclear Research Center and the Atmospheric Sciences Research Center; SUNY Maritime College, College of Forestry and College of Agriculture; SUC/Brockport, Cortland and Oswego; and Suffolk County Community College.

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