

Research centers  
at the State University  
of New York



Atmospheric sciences  
Nuclear research  
Immunology  
Water resources  
Marine sciences  
Polymers

## Introduction

University-Wide Research Centers are units for research, study and public service, established on and administered by a single campus of State University of New York. They are charged with a special obligation to provide intercampus leadership and to make their facilities and services available to personnel of all campuses of State University and to other scholars and students. Such Centers are established by resolution of the Board of Trustees.

Currently six Centers have been authorized. They are: the Atmospheric Sciences Research Center, University at Albany; the Center for Immunology, University at Buffalo; the Marine Sciences Research Center, University at Stony Brook; the Polymer Research Center, College of Forestry; the Water Resources Center, College of Forestry; and the Western New York Nuclear Research Center, University at Buffalo.

Although in various stages of planning and development, these Centers will in time offer a wide variety of research opportunity and services to faculty and students throughout the entire University. A brief description of the plans and work of each of these Centers is included in the following pages. For additional information, inquiries should be forwarded to the directors or managers of each of the Centers, as follows:

### Atmospheric Sciences Research Center

**Vincent J. Schaefer**, Director

University at Albany

### Center for Immunology

**Ernest Witebsky**, Director

University at Buffalo

### Marine Sciences Research Center

**Donald F. Squires**, Director

University at Stony Brook

### Polymer Research Center

**Michael Szwarc**, Director

College of Forestry

### Water Resources Center

**Robert D. Hennigan**, Director

College of Forestry

### Nuclear Research Center

**William F. Hall**, General Manager

University at Buffalo



## The Marine Sciences Research Center

The location of the Stony Brook campus adjacent to Long Island Sound and only a short distance from Great South Bay and the Atlantic Ocean has been recognized in Stony Brook's mandate to become the Marine Sciences Center for the State University System. Two broad objectives will underlie the development of capabilities and facilities in the next few years: first, the Center must serve as a focal point for those in many different disciplines whose scholarly interests relate to the sea; second, it must be a Center providing facilities for qualified scientists and students from all State University campuses for research and study.

The proximity of the Center to estuarine Long Island Sound and its complex of wetlands, and to the Atlantic approaches to New York Harbor, offers particularly challenging opportunities for highly integrated studies of an impacted environment and environmental management. Laboratory facilities for Physical Oceanography, Marine Biology, Ichthyology, and Geochemistry presently exist in the Earth & Space Sciences Building. A laboratory building of at least 90,000 gross square feet is planned. This laboratory will include running seawater facilities for full salinity range experimentation as well as other requirements. Dockside facilities within 10 minutes of the campus are utilized for a 40 foot fully equipped research vessel. Flax Pond, a tidal salt marsh acquired jointly by the State University of New York and the State Conservation Department, pro-

vides opportunities for shallow water controlled experiments. A small laboratory constructed there is occupied by the Bureau of Marine Fisheries, and another will be constructed for the Center.

In accordance with the recommendations of the advisory committee, the Marine Sciences Research Center has developed a joint program with the University of the West Indies in Jamaica and the Director of the Discovery Bay Laboratory, Dr. Thomas Goreau. This relationship enables qualified members of the State University to participate in the programs of this laboratory and its study of the coral reef environment.

While recognizing the world nature of the oceans, the Center is studying the problems arising from the juxtaposition of a high density population and the marine environment, and the conflicts which arise from multiple utilization of that en-

vironment. Through its affiliation with tropical laboratories and planned relationships with laboratories in northern, colder, less polluted and impacted waters, the Marine Sciences Research Center offers the potential for comparative environmental studies. Close working liaison with oceanographic institutes and governmental agencies make possible participation on deep-sea oceanographic cruises.

Through the facilities now existing and being developed on the Stony Brook campus and in Jamaica, the Flax Pond station, and other shore stations yet to be acquired, the Marine Sciences Research Center offers a wide range of instructional and research opportunities in marine geology, marine biology, physical oceanography, marine engineering, marine environmental management, and many other fields.

