



Front Cover

Interdisciplinarity

The Marine Biological Laboratory (Woods Hole) semester in environmental science gives students Marlene Tsie and Hyacinth Armstrong hands-on research experience. (see article on page 165)

photo courtesy of Ken Foreman

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Mathematical modeling of ecosystem dynamics is central to integrating and synthesizing much of the work at the Marine Biological Laboratory's Ecosystems Center and requires multi-disciplinary collaboration among the biogeochemists, physiological plant ecologists, forestry and soils experts and aquatic biologists on the staff. Left - Semester of Environmental Studies students Sam Kelsey (Dickinson College) and Christy Meredith (Allegheny College) tromp through a white cedar bog while pursuing their projects. Right - Manager of the Center's Isotope Laboratory, Kris Tholke, discusses operation of the isotope ratio mass spectrometer that is used to measure natural abundance of ¹⁵N and ¹³C.