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**Front Cover**

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

photo courtesy of Ken Foreman

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**Back Cover**  
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) tramp 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.