

**Lake Champlain Research Consortium**  
**2002 Spring Student Symposium**  
April 27, 2002 – Plattsburgh State University

9:00 arrive, set up and view posters; coffee available

**Oral Presentations**

9:40 *Petrology and Geochemistry of a Serpentinized Ultramafic Unit in East Dover, Vermont* - Parham Gardner, Geology Department, Middlebury College (advisor - Ray Coish)

10:00 *Stratigraphy and Sedimentology of a Paraglacial Fan near Hancock, Vermont* – Anna Cotton, Geology Department, Middlebury College (advisor – Jeff Munroe)

10:20 *The Influence of Sediment Size and Substrate Composition on Habitat Selection and Distribution of Eastern Sand Darters (*Ammocrypta pellucida*) in the Poultney River* - Shannon O'Brien, Biology Department, Saint Michael's College (advisor – Doug Facey)

10:40 short break

11:00 *Factors Affecting the Movement of Adult Zebra Mussels (*Dreissena polymorpha*)* - Matthew Toomey, Biology Department, University of Vermont (advisor - Ellen Marsden)

11:20 *Constructed Wetlands for Treating Dairy Wastewater* - David Whitney, Department of Civil and Environmental Engineering, University of Vermont (advisor - Nancy Hayden)

11:40 *Disturbance Effects on Nutrient Losses from Pine Barren Ecosystems in Northeastern New York* - Stacy A. Davis, Center for Earth and Environmental Science, Plattsburgh State University (advisor - Robert Fuller)

12:00 lunch break; view posters

1:20 *Anthropogenic and Natural Impacts on Vermont Lake Ecosystems: A Paleolimnological Study* - Ken Oldrid, Geology Department, University of Vermont (advisor – Andrea Lini)

1:40 *Effects of Road Salt on Water Quality in Cation and Anion Deficient Waters in the Northwest Lake Champlain Basin* - Matthew Valentine, Center for Earth and Environmental Science, Plattsburgh State University (advisor - Edwin A. Romanowicz)

2:00 **Paramecium caudatum* cDNA* - David LaFontaine, Department of Biological Sciences, Plattsburgh State University (advisor – Nancy Elwess)

2:20 short break

*(program continues on next page)*

- 2:40 *A Statistical Look at the Current History of Lake Saint Catherine, and the Techniques Employed Today for Future Interpretation* - Kurt Waggoner, Departments of Chemistry and Mathematics, Green Mountain College (advisors - Sue Suetheimer and Jim Wright)
- 3:00 *Lowell Origins in the Winooski Mills of the Champlain Valley* - Margaret Tamulonis, History Department, University of Vermont, (advisor - Susan Ouellette, Saint Michael's College)
- 3:20 *Monitoring population dynamics of a restored wetland at Cumberland Bay* - Kevin Park, Environmental Science Program, Plattsburgh State University (advisor - Mei-yin Wu)

### **Poster Presentations**

- The Effects of Acetylcholine on the Behavior of Paramecium tetraurelia from the Lake Champlain Basin* - Karen Weierstall, Department of Biological Sciences, Plattsburgh State University (advisor – Nancy Elwess)
- Determination and Characterization of Plasma Membrane Calcium Pump Isoforms in Rana pipiens* - Sharon Clarke, Department of Biological Sciences, Plattsburgh State University (advisor - Nancy Elwess)
- Interspecific Competition between Phragmites australis and Typha latifolia at Adirondack Region* - Richard Russo, Department of Biological Sciences, Plattsburgh State University (advisor - Mei-Yin Wu)