

**Lake Champlain Research Consortium**  
**2004 Spring Student Symposium**  
**Room 104 Bicentennial Hall, Middlebury College**  
**Saturday, April 24, 2003**

- 8:30 to 9:00 Coffee and pastries available (1<sup>st</sup> floor – Room 104); posters can be set up on 6<sup>th</sup> floor
- 9:00 The Effect of Sonar(R) Herbicide on the Survival and Behavior of the Aquatic Oligochaete *Lumbriculus variegates* - Mckalyn Garrity, Middlebury College; advisor – Tom Root
- 9:20 Feasibility Test for Nest Removal of Spawning-phase Sea Lamprey (*Petromyzon marinus*) as a Potential Sea Lamprey Control in Lake Champlain - Eric Howe, University of Vermont; advisor – Ellen Marsden
- 9:40 The Effects of Hayfield Management on Mating Systems of Grassland Birds Breeding in the Champlain Valley - Noah Perlut, University of Vermont; advisor - Allan Strong
- 10:00 Identification of Sources of Fine Particulate Air Pollutants in the Lake Champlain Basin Using Positive Matrix Factorization (PMF) Analysis - Kat Lafferty, St. Lawrence University; advisor – Ning Gao
- 10:20 short break
- 10:30 Prince King and the Lives of African-Americans in the Antebellum Champlain Valley of Vermont - Amy Mincher, Saint Michael's College; advisor – Susan Ouellette
- 10:50 The Orphan Trains of the Champlain Lakes and Its Basin – Katie Hatch, Saint Michael's College; advisor – Susan Ouellette
- 11:10 Brief summaries of Poster Presentations
- A Study of the Competitive Interactions Among Ant Species in Edge versus Interior Forest Habitats in Vermont - Rebecca Yeamans, Saint Michael's College; advisor - Valerie Banschbach
  - Spawning Habitat Suitability for Walleye Above and Below the Swanton Dam on the Missisquoi River in Swanton, Vermont - Jennifer Smith, Saint Michael's College; advisor – Madeleine Lyttle (USFWS)
  - Linking Watershed Condition, Geomorphology, and Aquatic Ecosystem Health - Christina Cianfrani, University of Vermont; advisor - Cully Hession
  - Monitoring Stream Head-Cuts in the Lake Champlain Basin - Kwaw Andam, University of Vermont; advisor - Cully Hession
  - Using Isotopes as Chemical Surrogates for Municipal Landfills the Drain into the Lake Champlain Basin - Paula Mouser, University of Vermont; advisor - Donna Rizzo
  - Identification of Sources of Mercury Pollution in the Lake Champlain Basin Using Potential Source Contribution Function (PSCF) Analysis - Kira Krumhansl, St. Lawrence University; advisor – Ning Gao
  - Effects of the Herbicide Round-up on Rainbow Trout Fry - Andrew Edmunds and Jacob Watrous, Castleton State College; advisor - Cynthia Moulton
  - Effects of the Herbicide Round-up on Earthworms in Three Soil Types - Jacob Watrous, Castleton State College; advisor - Cynthia Moulton
- 11:30 view posters (area of 6<sup>th</sup> floor)
- 12:30 lunch (near posters on 6<sup>th</sup> floor)