

**Program: Research Project Presentations**

Zoology 535, Spring 2006

Arthur D. Hasler Laboratory of Limnology

1 and 2 May 2006, 1:20 to 3:20 pm

MONDAY 1 MAY			TUESDAY 2 MAY		
Chair: Noah Lottig			Chair: Stephanie Schmidt		
Time	Speaker	Topic	Time	Speaker	Topic
1:20	David Zaks	Modeling Aboveground Biomass Regrowth in Tropical Secondary Forests	1:20	Noah Lottig	Using CO <sub>2</sub> /O <sub>2</sub> Ratios to Understand Linkages Between Ecosystems
1:28	Paul West	Climate Regulation by Ecosystems	1:28	Peter Lisi	Does Vertical Migration of Zooplankton Matter for Allochthonous Subsidies to Lakes?
1:36	Brian Weidel	Maple Leaves, Ants or Redbelly Dace: Multivariate Autoregression Models for Estimating Fish Allochthony	1:36	Rachel Licker	A Simple Ground-Level Ozone Model
1:44	Jeff Watters	Modeling a Leatherback Turtle Population's Decline: An Investigation Into the Causes of Depletion	1:44	Joe Kaser	Within-Season Population Dispersal of Colorado Potato Beetle: Two Simple Diffusion Models
1:52	Matt Van de Bogert	Benthic Contribution to Whole-Lake Metabolism	1:52	Amy Kamarainen	Estimating Phosphorus Recycling in Lake Mendota: A Comparison of Models
2:00	Shana Ederer	An Exploration of Landscape-Level Patterns in String Fens using Cellular Automata	2:00	Stuart Jones	The Role of Mixing in DIC Flux from a Subtropical Lake
2:08	Chris Solomon	Implications of Stable Isotope End Member Variation for Understanding Long-Term Change in Food Webs			
~~~~~ BREAK ~~~~~					

Chair: Rachel Licker			Chair: David Zaks		
Time	Speaker	Topic	Time	Speaker	Topic
2:32	Martin Simard	The Effects of Fire Frequency and Severity on Carbon Sequestration and Forest Productivity in a Paludified Landscape	2:32	Justin Fox	Growth Constraints of Lake Superior Lake Trout
2:40	Stephanie Schmidt	Biomagnification of Contaminants in Food Webs	2:40	Daniel Stanton	Disease Down the Trophic Chain: Modelling the Impacts of a <i>Daphnia</i> parasite on Plankton Dynamics and Variability
2:48	Nick Preston	Terrestrial Carbon Deposition on Lakes: A Little Help from the Landscape?	2:48	Katrina Butkas	Production: Biomass Ratios from Allen Curves
2:56	Steve Powers	How Long Does Sediment Disturbance Persist in a Stream Subjected to Different Point Input Scenarios?	2:56	James Burnham	Modeling the Response of <i>Vallisneria</i> to Fluctuating Water Levels in China's Lake Poyang
3:04	Sarah Olson	Modeling Mosquito Breeding Sites	3:04	Oonsie Biggs	Twisting the arbitrator's arm: how differential resources can impact science-based decisions through observation error
3:12	Gary Oates	Mixed Effects Modeling: Does High Observation Variance Break the Model?	3:12	Brynn Bemis	Modeling an Invasion: an Individual-Based Model of reed canary grass spread