



Saturday, March 26, 2011

## PROGRAM

Friday, March 25, 2011

### BRANDON SPRING GROUP CAMP ACTIVITIES BUILDING, LBL

1:00 p.m. Welcome  
**Steven W. Hamilton**, Director  
The Center for Field Biology, APSU

**Howard Whiteman**, Director  
Watershed Studies Institute, MSU

**Bill Lisowski**  
Area Supervisor  
LBL National Recreation Area

### INVITED PAPERS SESSION

**Rebecca Johansen**,  
Center for Field Biology, APSU  
Moderator

1:15 p.m. **Forests Under Attack by Non-native Invasive Insects.**  
**Rusty Rhea**  
USDA Forest Service, Asheville, N.C.

2 p.m. **Biology and Management of Invasive Aquatic Plants in the Southeastern United States.**  
**Michael Netherland**  
U.S. Army ERDC, Gainesville, Fla.

2:45 p.m. Break

3:15 p.m. **Introduced Fishes of the Lower Tennessee and Cumberland River Valleys.**  
**Pam Fuller**  
U.S. Geological Services, Gainesville, Fla.

4 p.m. **Biological Invasions—a Major Global Change and a Technological and Political Challenge.**  
**Daniel Simberloff**  
University of Tennessee, Knoxville, Tenn.

5:30 p.m. Dinner

### CONTRIBUTED PAPERS, SESSION I

**Botany (2nd Floor, Commons Building)**  
Moderator: **L. Dwayne Estes**, Department of Biology, APSU

8:55 a.m. Opening Remarks

9 a.m. **Impacts of Farming Systems on Soil Characteristics.** Katie LeBlanc and Iin P. Handayani. Murray State University.

9:15 a.m. **Red and White Mulberries (*Morus rubra* and *M. alba*: Moraceae) and Their Interspecific Hybrids: Are We Losing Our Native Species?** Dayle E. Saar, Leslie J. Potts and Nathaniel C. Brundy. Murray State University.

9:30 a.m. **The Expansion of *Macrotelypteris torresiana* (Thelypteridaceae), an Invasive Fern in the Southeastern United States.** Courtney Gorman, Matthew Bruton and Dwayne Estes. Austin Peay State University.

9:45 a.m. **The Status of *Elaeagnus multiflora* (Elaeagnaceae), a Potentially Invasive Asiatic Shrub in Tennessee.** Courtney Gorman, Matthew Bruton and Dwayne Estes. Austin Peay State University.

10 a.m. Break

10:30 a.m. **The Vascular Flora of the Clarks River National Wildlife Refuge, Marshall, McCracken and Graves Counties, Kentucky.** Matthew Bruton and Dwayne Estes. Austin Peay State University.

10:45 a.m. **Floristic Studies in the Cross Creeks and Tennessee National Wildlife Refuges.** Edward W. Chester and Stephanie Gunn-Zumo. Austin Peay State University.

11 a.m. **A Comparative Study on the Genetic Diversity of an Invasive Plant, *Lonicera japonica*, in its Native and Introduced Ranges.** Hao Jiang, Ed Simmerer and Kate S. He. Murray State University.

11:15 a.m. **Tall Fescue Management Impacts on Selected Soil Properties.** Michael Washburn and Iin P. Handayani. Murray State University.

11:30 a.m. **Flora and Vegetation of Several Great Valley Mesic Forest Stands.** Hal DeSelm. University of Tennessee, Knoxville.

12:15 p.m. Adjourn – Lunch

### CONTRIBUTED PAPERS, SESSION II

**Aquatic Biology (Activities Building)**  
Moderator: **Steven W. Hamilton**, Center for Field Biology, APSU

8:35 a.m. Opening Remarks

8:45 a.m. **Testing the Influence of *Podostemum ceratophyllum* on Nutrient and Sestonic Algal Levels.** Sara K. Wigginton, Joseph R. Edwards, Nikki L. Roof, Heidi A. Steinhaus, Steven D. Milesko, Jeremy D. Webb, Stephanie A. Bryant, Jenna K. Binion, Eric L. Smith, Brenna E. Tinsley, Mary D. Penick, Scott A. Grubbs, & Albert J. Meier. Western Kentucky University.

9 a.m. **The Distribution, Abundance and Habitat Colonization of *Hydrilla verticillata* (Hydrocharitaceae) in a High-Gradient Riverine System.** Angelina D. Fowler, Dwayne Estes, Chris Fleming and Nathan Parker. Austin Peay State University.

9:15 a.m. **Stream or Ditch? Newly Developed State SOP for Determining Hydrologic Status.** Jimmy R. Smith. Tennessee Department of Environment and Conservation.

9:30 a.m. **Effects of Atrazine Exposure on Immune Function of a Dragonfly Larva, *Platthemis lydia*.** Coy St. Clair. Murray State University.

9:45 a.m. **Evaluating Macroinvertebrate Diversity within Pond Communities: A Comparison of Two Techniques.** Ashlie Farmer and Steven W. Hamilton. Austin Peay State University.

10 a.m. Break

10:30 a.m. **Bisphenol-A Concentrations in Natural Waters and Bottled Drinking Waters: A Possible Source of Human Exposure.** Brianna Cassidy and Bommanna G. Loganathan. Murray State University.

10:45 a.m. **Colonization, Trends and Status of Two Non-Native Species in Kentucky Lake, *Plectomerus dombeyanus* and *Daphnia lumholtzi*.** Todd D. Levine, David S. White and James B. Sickel. Murray State University.

11 a.m. **Effects of the Invasive Submersed Macrophyte, *Hydrilla verticillata*, on the Community Composition of Aquatic Macroinvertebrates Inhabiting a High-Gradient Riverine System.** Angelina D. Fowler and Steven W. Hamilton. Austin Peay State University.

11:15 a.m. **The Noisy Stream: Bioacoustics in Aquatic Invertebrate.** Nissa Rudh and Michael Flinn. Murray State University.

11:30 a.m. **The Influence of Thermokarst Disturbance on Sediment Delivery and Macroinvertebrate Community Dynamics in Arctic Headwater Streams.** Jeffrey Kampman. Murray State University.

12:15 p.m. Adjourn—Lunch

### CONTRIBUTED PAPERS, SESSION III

**Zoology (Activities Building)**  
Moderator: **Andrew N. Barrass**, Center for Field Biology, APSU

8:35 a.m. Opening Remarks

8:45 a.m. **Competition between Larval Salamanders in Natural Populations: Assessing Relationships of Size, Density and Habitat Use with Observational Data.** Thomas Lee Anderson. Murray State University.

9 a.m. **Status of the Dunbar Cave Bat Project: Tracking Restoration and WNS.** Morgan E. Kurz, Riley S. McCormick and Andrew N. Barrass. Austin Peay State University.

9:15 a.m. **A Comparison between Avian Communities in Fescue Fields and Tall Grass Plantings within the Green River Conservation Reserve Enhancement Program, Kentucky.** Cabrina Hamilton. Western Kentucky University.

9:30 a.m. **A Cold-Blooded Killer, Presence of *Ranavirus* in Amphibian Populations in West Tennessee, USA.** Chris O'Bryan, Chad Brooks and A. Floyd Scott. Austin Peay State University.

9:45 a.m. **Status of the Acoustic Monitoring of Bats at the U.S. Forest Service, Land Between The Lakes.** Riley S. McCormick, Morgan E. Kurz and Andrew N. Barrass. Austin Peay State University.

10 a.m. Break

10:30 a.m. **Reassessment of the Fishes of the Little River System, Western Kentucky.** Andrew S. Riggs and Rebecca Blanton Johansen. Austin Peay State University.

10:45 a.m. **Fish Community Response to *Phragmites* Removal at Clear Creek WMA.** Brett Davis. Murray State University.

11 a.m. **Systematics of the Slender Madtom, *Noturus exilis*, with Description of a New Species from Arkansas.** Rebecca Blanton Johansen, Larry M. Page and Samantha A. Hilber. Austin Peay State University.

11:15 a.m. **Effects of Herbicidal Removal of Common Reed on the Diet of Lake Chubsucker in Clear Creek.** Kirk Raper. Murray State University.

11:30 a.m. **The Amphibians and Reptiles of Cheatham Wildlife Management Area, Cheatham County, Tennessee.** Terry Hopkins and A. Floyd Scott. Austin Peay State University.

12:15 p.m. Adjourn—Lunch