



# Ohio Natural History Conference

February 23<sup>th</sup>, 2019

Ohio History Center  
Columbus, OH

## Conference Schedule

(Presenters are given in bold)

- 8:30 Refreshments and Registration; Set-up posters
- 9:00 Welcome and Announcements
- 9:15 **Keynote Presentation**  
**Dr. Jeffrey M. Reutter – Retired Director Ohio Sea Grant**  
Lake Erie and the Waters of Ohio: Past, Present and Future
- 10:15 OBS Awards Presentation: Herbert Osborn Award – **Dr. Dave McShaffrey**  
Naturalist Awards: **Jim McCormac** and **Daniel Rice**
- 10:45 Break

### Paper Session I: Ohio's Aquatic Systems: Historical Tragedies and Tales of Recover

- 11:00 “A Naturalist’s Guide to the Fishes of Ohio” – **Brian Zimmerman**, (OSU-Stream and River Ecology Lab); **Daniel Rice**, (retired ODNR-DNAP)
- 11:30 “Degradation and Recovery of Scioto River (Ohio, USA) Fish Assemblages from Presettlement to Present-Day Conditions” – **Chris Yoder - Research Director**, Midwest Biodiversity Institute
- 11:50 “Challenges and Opportunities for Amphibians in Ohio's Aquatic Systems”- **Greg Lipps - Amphibian & Reptile Conservation Coordinator**, Ohio Biodiversity Conservation Partnership (OSU)
- 12:10 Special Announcements... (Grants, Jobs, Summer Courses)

- 12:20 Lunch (Upstairs Plaza) and Student Meet-and-Greet; View Museum Exhibits
- 1:00 **Poster Session**, with authors in attendance (Upstairs Plaza)
- 1:45 Break

**Paper Session II: Open Papers**

- 2:00 “Ohio Acid Mine Drainage Watershed Restoration, Changes in Fish Communities” – **Chad Kinney – Environmental Specialist 2/Biologist**; Jeff Calhoun; Ben McCament- ODNR DMRM Abandoned Mine Lands Program.
- 2:20 “The Cuyahoga River, a Lesson in Recovery” – **Bill Zawiski- Water Quality Group Supervisor**, Ohio Environmental Protection Agency
- 2:40 “Incorporating Community Classification into Freshwater Conservation” **August Froehlich** - The Nature Conservancy -Ohio Chapter
- 3:00 “The Ohio Dragonfly Survey: Community Driven Science using iNaturalist” **MaLisa Spring – State Coordinator for the Ohio Dragonfly Survey**; Jim Lemon - SW Ohio Regional Coordinator Ohio Odonata Survey; and Norm Johnson - Martha N. and John C. Moser Chair in Arthropod Biosystematics and Biological Diversity
- 3:20 “Short-term responses of fish community structure following re-meandering restoration of Eagle Creek (Garrettsville, OH)” – **Jennifer M. Clark – Assoc. Prof. of Biology** – Hiram College; Justin J. Montemarano – Georgia Southern University, Armstrong Campus.
- 3:40 Closing Remarks

ONHC 2020 – Physiographic Tour Stop#2 Glaciated Lake Plain (Toledo, Ohio)

Ohio Natural History Conference Sponsor





## Ohio Natural History Conference Poster Schedule

1. "Identification of pathogens causing porcelain disease in North American crayfish - call for samples"  
**Emily M. Imhoff**, Cincinnati Museum Center
2. "The ants of Ohio (Hymenoptera: Formicidae): an updated checklist" **Kal Ivanov**, Virginia Museum of Natural History
3. "Making and Testing Hypotheses in Natural History: Microhabitat Selection by 2 *Hetaerina* species"  
**Dave McShaffrey**, Marietta College
4. "A Comparison of Vertebrate Roadway Mortality with Speed Limitations" **Jacob Fletcher**, Dr. Sarah Minter, Shawnee State University
5. "Black Vultures in Southern Ohio: Investigating the Distribution and Behaviors of *Coragyps atratus*" **Shasta Corvus**, Sarah Minter, Shawnee State University
6. "Preliminary evaluations of wild strains and standard cultivars of Hops, *Humulus lupulus*, in southern Ohio"  
**Haley Bigham**, Mr. Brad Bergefurd, Mr. Dan Chaffin, and Dr. Logan Minter
7. "How effective are Allegheny Mound Ants (*Formica exsectoides*) at protecting Karner Blue Butterflies (*Lycia melissa samuelis*) under warming & how do they modify their surrounding landscape within the Oak Openings region?" **Preston Thompson**, Dr. Shannon Pelini, Dr. Ryan Walsh, Bowling Green State University
8. "Genetic Analysis and Minimum Population Estimate of Allegheny Woodrats (*Neotoma magister*) in Adams County, Ohio" **Heather L. Farrington**- Zoology Curator, Cincinnati Museum Center, Cheryl M. Mollohan - Contract Biologist, Hocking College (retired), Albert L. LeCount - Contract Biologist, Hocking College (retired), L. Kristen Page - Professor of Biology, Wheaton College, Laura Hughes - Contract Biologist
9. "Effects of Nutrient Concentration on Growth of Lettuce and Basil in Hydroponics in a Greenhouse"  
**Emily Keller** and Lin Wu University of Mount Union
10. "Beech Leaf Disease Monitoring at the James H. Barrow Biological Field Station: A Preliminary Survey"  
**Zachary Fox** and Henry Schwendler, Hiram College, James H. Barrow Biological Field Station
11. "Detection and Identification of Bat Echolocation Calls in Temperate Forest Patches at the James H. Barrow Biological Field Station" **Kristen M. Maslach**, Jennifer M. Clark, and Sarah E. Mabey Hiram College, James H. Barrow Biological Field Station
12. "Quantifying fungal abundance and taxa richness on Hiram College's campus, surrounding forest, and James H. Barrow Biological Field Station" **Natalie R. Menke** and Jennifer M. Clark, Hiram College, James H. Barrow Biological Field Station

13. "Impact of INKARHO™ rootstock on various cultivars of Rhododendron leaves and roots" **Madison R. Proctor**, Hiram College, James H. Barrow Biological Field Station
14. "Short-term responses of a macroinvertebrate community following re-meandering restoration" **Keegan Rankin** and Jennifer M. Clark Hiram College, James H. Barrow Biological Field Station
15. "Impacts of re-meandering stream restoration on oxbow and main channel fish communities" **Andrew D. Runyon** and Jennifer M. Clark, Hiram College, James H. Barrow Biological Field Station
16. "Effects of forest succession and cover board type on terrestrial salamander colonization" **Nicole L. Ryman** and Jennifer M. Clark Hiram College, James H. Barrow Biological Field Station
17. "Digital Image Pixel Coverage as a Predictor of Salamander Biomass: The 5-Gallon Bucket Technique" **Dustin M. Edens** and Donald P. Althoff University of Rio Grande, Rio Grande, Ohio.
18. "Productivity Trends of Eastern Bluebirds and Tree Swallows in Gallia County Ohio 2013-2018" **Jeremy O. Chapman** and Donald P. Althoff, University of Rio Grande
19. "Experimentally-Induced Coloration Shade Changes Observed for Captive Cope's Gray Treefrogs Exposed to a Different Background Color" **Kelsey A. Miller** and Donald P. Althoff, University of Rio Grande
20. "Within-Day Variation of Chlorophyll Content for Three Deciduous Tree Species in Southeastern Ohio" **Paul A. Robinson** and Donald P. Althoff, University of Rio Grande
21. "Documenting Southern Flying Squirrel Presence Based on Ultrasonic Vocalizations in Southeast Ohio" **River J. Spicer** and Donald P. Althoff, University of Rio Grande
22. "Seasonal Trends in Hardwood Forest Arthropod Diversity: A Comparison of Lindgren Funnel Trap Jars with Clear- vs. Yellow-Colored Solution" **Colin F. Stanley** and Donald P. Althoff, University of Rio Grande
23. "A Comparison of Collecting Techniques for Late-Season Bee Diversity at the Huston-Brumbaugh Nature Center (Stark Co., OH)" **Ben Mullaly** and Chris Stanton, University of Mount Union
24. "Non-Bee Specimens Collected with Pan and Vane Traps at the Huston—Brumbaugh Nature Center (Stark Co., OH)" **Chris Stanton** and Ben Mullaly, University of Mount Union
25. "2018 Amphibian Survey of a Constructed Vernal Pool at the Huston—Brumbaugh Nature Center (Stark Co., OH)" **Constance Young** and Chris Stanton, University of Mount Union
26. "Native and invasive earthworms in the Cincinnati region: identification and seasonal abundance under cover objects" **Patrick C. Owen**, Keen A. Wilson, Maria J. Murillo, and Denise T. Baldrick, University of Cincinnati, Blue Ash College
27. "Assessing bat community composition and habitat usage in the Wright State University woods using stationary acoustic surveys" **Megan Rude** and Volker Bahn, Wright State University