

VIRGINIA NATURAL HISTORY SOCIETY
2nd General Meeting
2 November 2019
Virginia Museum of Natural History

REFRESHMENTS AND REGISTRATION, SET-UP POSTERS
9:15 am – 10:15 am

ORAL PRESENTATION SESSION I
10:15 am – 12:20 pm
Mr. & Mrs. L. Dudley Walker Lecture Hall

- 10:15 **WELCOME AND OPENING REMARKS**
Joe Keiper
Executive Director, Virginia Museum of Natural History
- 10:25 **Joe Mitchell's contributions to the Virginia Natural History Society**
Steve Roble
Virginia Department of Conservation and Recreation, Division of Natural Heritage
- 10:35 **Observations on the natural history of *Sphaeroderus schaumii* (Coleoptera: Carabidae) at G.R. Thompson Wildlife Management Area**
Curt W. Harden
Clemson University
- 10:50 **Observations of the mating behavior of the eastern Hercules beetle *Dynastes tityus* (Coleoptera: Scarabaeidae)**
John C. Bunch* and Arthur V. Evans
Virginia Master Naturalists (JCB), Virginia Museum of Natural History (AVE)
- 11:05 **Super black eyespots of the eyed elater (Coleoptera: Elateridae)**
Victoria Wong and Paul Marek*
Virginia Tech
- 11:20 **BREAK**
- 11:35 **The ant genus *Strumigenys* Smith in Virginia with natural history notes on the cavity-dwelling *Strumigenys rostrata* Emery (Hymenoptera: Formicidae)**
Kal Ivanov* and Liberty Hightower
Virginia Museum of Natural History
- 11:50 **Cicadas of Virginia (Insecta: Hemiptera: Cicadidae)**
Arthur V. Evans*, Kal Ivanov, and Curt W. Harden
Virginia Museum of Natural History (AVE, KI), Clemson University (CWH)
- 12:05 **Inventory and conservation assessment of the Lepidoptera (moths, skippers, and butterflies) fauna of Virginia**
Steve Roble
Virginia Department of Conservation and Recreation, Division of Natural Heritage

POSTER SESSION AND LUNCH
12:30 pm – 2:00 pm
The Claude Moore Charitable Foundation Classroom

ORAL PRESENTATION SESSION II
2:00 pm – 3:30 pm
Mr. & Mrs. L. Dudley Walker Lecture Hall

- 2:00 **Introduction to the Appalachian millipede genus *Cherokia* (Polydesmida: Xystodesmidae)**
Fernanda Vasquez-Valverde* and Paul Marek
Virginia Tech
- 2:15 **Phylogenetics of the Appalachian twisted claw millipedes (Polydesmida: Xystodesmidae: *Nannaria*)**
Derek A. Hennen*, Jackson C. Means, and Paul Marek
Virginia Tech
- 2:30 **Bot fly parasitism of Allegheny woodrats (*Neotoma magister*) in Virginia**
Karen Powers*, W. Mark Ford, Rick Reynolds, Wil Orndorff, Tom Malabad, Sarah Sweeten, and Margaret Short
Radford University (KP) and various others
- 2:45 **BREAK**
- 3:00 **Continuing studies of bird-window collisions at Radford University: updates and analyses**
Lauren Burroughs* and Karen Powers
Radford University
- 3:15 **Genetics of melanism in the eastern gray squirrel (*Sciurus carolinensis*) and the eastern fox squirrel (*S. niger*)**
Nancy D. Moncrief*, Nicholas I. Mundy, and Helen R. McRobie
Virginia Museum of Natural History (NDM), University of Cambridge (NIM), Anglia Ruskin University (HRM)

GENERAL MEMBERS MEETING
3:30 pm – 4:00 pm
Mr. & Mrs. L. Dudley Walker Lecture Hall

POSTER SESSION
12:30 pm – 2:00 pm
The Claude Moore Charitable Foundation Classroom

- 1. Observed predation of Allegheny woodrat (*Neotoma magister*) by barred owl (*Strix varia*) in Virginia**
Angie Leon*, Karen Powers, Miranda Dimas, and Logan Vanmeter
Radford University
- 2. Summer bat acoustic activity around VDOT bat box installations**
Logan Van Meter*, Karen Powers, and Meg Short
Radford University
- 3. A decade of little brown bat maternity colony surveys in Virginia: observations and next steps**
Logan Platt*, Miranda Dimas, Karen Powers, W. Mark Ford, Wil Orndorff, and Rick Reynolds
Radford University
- 4. Impacts of the invasive emerald ash borer on ash trees in Virginia forests**
Adam Allen*, Brian Ditch, Stephen Ruppert, and Christine Small
Radford University
- 5. Impacts of the mountain valley pipeline: a comparison of baseline total suspended solids in control and impact sites**
Angie Holmes*, Kristina Stefaniak, and Jamie K. Lau
Radford University
- 6. Effects of autumn olive (*Elaeagnus umbellata*) removal treatments on bird communities at the Radford army ammunition plant**
Kioshi Lettsome*, Karen Powers, and Len Diloia
Radford University
- 7. Effects of trembolone on gonad histology in mosquitofish (*Gambusia holbrooki*)**
Olivia Grubb*, Tia Strickland, Kristina Wade, Sara O'Brien, and Matt Close
Radford University
- 8. Effects of trembolone on secondary sex characteristics in mosquitofish (*Gambusia holbrooki*)**
Tia Strickland*, Olivia Grubb, Kristina Wade, Sara O'Brien, and Matt Close
Radford University
- 9. The endangered ecology of Bald Knob**
Kaleigh Cundiff*, Jamie Brooks, and James Pagans
Franklin County High School
- 10. The past, present, and future of Bald Knob**
James Pagans*, Jade Joslyn, Xander Dobbins, and Ethan Lydick
Franklin County High School
- 11. A buzzard's eye view of Bald Knob**
Jamie Brooks*, Morgan Lietz, Alyssa Hodges, and Kobie Robertson
Franklin County High School