



**SCHEDULE AND PROGRAM – 2016 ANNUAL MEETING  
ROSS NATURAL HISTORY RESERVATION  
EMPORIA STATE UNIVERSITY, EMPORIA KANSAS  
21-22 OCTOBER**

**21 October 2015**

**Kansas Bat Workgroup** 1:00 – 3:00 PM Ross Natural History Reservation: main classroom building

**Social & Registration** 4:00 - 9:30 PM Ross Natural History Reservation: main classroom building

**22 October 2015**

**Breakfast** 7:00 - 8:00 AM, Ross Natural History Reservation: main classroom building

**Registration** 7:30 – 8:30 AM, Ross Natural History Reservation: main classroom building

**Welcome and Introduction of Session Chair** 9:00 AM

**Paper Session** 9:15 - 10:45 AM - Session Chair: Pete Eyheralde

9:15 AM **Kyle R. Wait\***, **Adam A. Ahlers**, *Urban land-use and prey availability affect coyote (*Canis latrans*) distributions in a prairie ecosystem*, Department of Horticulture and Natural Resources, Kansas State University.

9:30 AM **Erica Perez\***, **Morgan Pfander**, **W. Sue Fairbanks**, *Population status of the American black bear (*Ursus americanus*) in the Ouachita Mountains of southeast Oklahoma*. Department of Natural Resource Ecology and Management, Oklahoma State University and Oklahoma Cooperative Fish and Wildlife Research Unit, Oklahoma State University.

9:45 AM **Danielle M. Yaklin\*** and **W. Sue Fairbanks**. *Recovery of bear forage items after prescribed fire in the Ouachita National Forest of Oklahoma*, Department of Natural Resource Ecology and Management, Oklahoma State University.

10:00 AM **Cheyenne Gerdes\***, **Sean P. Maher**, **Lynn W. Robbins**, *Using acoustic detectors to document arrival of gray bats (*Myotis grisescens*) at maternity colonies*, Biology Department, Missouri State University.

10:15 AM **Max Larreur\***, **Steve K. Windels**, **Bryce T. Olson**, **Adam A. Ahlers**, *Quantifying the impacts of invasive hybrid cattails on the spatial distribution of muskrats (*Ondatra zibethicus*)*, Department of Horticulture and Natural Resources, Kansas State University, National Park Service, Voyageurs National Park, International Falls, MN.

10:30 AM **Adam A. Ahlers\***, **Edward J. Heske**, *Empirical evidence for declines in muskrat (*Ondatra zibethicus*) populations across the United States*, Department of Horticulture and Natural Resources, Kansas State University Illinois Natural History Survey, Prairie Research Institute.

**Break 10:45 AM**

**Keynote Address 11:00 AM**

**K. Christopher Beard, Ph.D.** *Into Africa: A pivotal step in primate and human evolution*, Foundation Distinguished Professor, Ecology & Evolutionary Biology, Senior Curator, Biodiversity Institute, University of Kansas.

**Lunch 12:00 PM**

**Field Trip Session 1:00 - 2:30 PM** Session Chair: Bill Jenson  
Join us for a hike to explore the diverse communities of the Ross Natural History Reservation.

**Break 2:30 PM**

**Poster Session 2:45 – 4:45 PM**

**Holly G. Wilson\***, **Curtis J. Schmidt**, **Elmer J. Finck**, *Diet of the Evening Bat (*Nycticeius humeralis*) in Northwest Kansas*. Department of Biological Sciences, Fort Hays State University, Sternberg Museum of Natural History.

**Elizabeth M. Schumann\***, **Curtis J. Schmidt**, **Elmer J. Finck**, *Ectoparasite presence and absence in Kansas bat species, with emphasis on the northern long-eared bat (*Myotis septentrionalis*)*. Department of Biological Sciences, Fort Hays State University, Sternberg Museum of Natural History.

**L.W. Robins**, **K.M. Armstrong**, **B.N. Spitz\***, *Characteristics of bats in a cave in eastern Oklahoma: spring emergence and fall swarming*. Missouri State University.

**Benjamin N. Spitz\***, **Sean P. Maher**, *Projected distribution of Franklin's ground squirrel (Poliocitellus franklinii) under potential future climate conditions.* Biology Department, Missouri State University

**Meagan J. Albon\***, **Madeleine E. Zuercher**, **Francis E. Tillman, Jr.**, **Amy K. Shook**, **Rasika G. Mudalige-Jayawickrama**, **Gerald L. Zuercher**, *Evaluating the bat community and risk of exposure to Pseudogymnoascus destructans in a northeastern Iowa forest.* Department of Natural and Applied Sciences, University of Dubuque, Department of Integrative Biology, University of California – Berkeley.

**Emily M. Beasley\***, **Sean P. Maher**, *Island Biogeography and Metacommunity Structure of Ozark Mammals.* Department of Biology, Missouri State University.

**Lacy A. Dolan\*** and **John S. Scheibe**, *Geometric morphometrics of fox dentaries.* Department of Biology, Southeast Missouri State University.

**Justin L. Pitschmann\*** and **Jonathan M. Conard**, *Variance in vigilance of black-tailed prairie dogs (Cynomys ludovicianus) in different landscape contexts.* Natural Science Department, Sterling College.

**Tyler K. Self\***, **Gerald L. Zuercher**, *Year-round and seasonal acoustical monitoring of bats in the driftless region of northeastern Iowa: Is year round monitoring worthwhile?* Effigy Mounds National Monument, National Park Service, Department of Natural and Applied Sciences, University of Dubuque.

**Amy K. Shook\***, **Meagan J. Albon**, **Madeleine E. Zuercher**, **Francis E. Tillman, Jr.**, **David E. Koch**, **Gerald L. Zuercher**, *Roost site habitat characteristics for female Myotis septentrionalis.* Department of Natural and Applied Sciences, University of Dubuque, Department of Integrative Biology, University of California – Berkeley.

**Angelica V. Sprague\***, **Curtis J. Schmidt**, and **Elmer J. Finck**. *Identification and characterization of northern long-eared bat (Myotis septentrionalis) hibernacula in Kansas.* Department of Biological Sciences, Fort Hays State University and Sternberg Museum of Natural History, Hays, Kansas.

**Francis E. Tillman, Jr.\***, **Gerald L. Zuercher**, *Patterns and Impacts of Ectoparasites on Bats in Northeastern Iowa.* Department of Natural and Applied Sciences, University of Dubuque.

**Stephanie A. Ellison\***, **Sean P. Maher**, *Predicting the presence of hosts and ectoparasites in a disturbed mosaic habitat.* Department of Biology, Missouri State University

**Tyler J. Remick\* Sean P. Maher**, *The effects of bot fly parasitism on average daily movement of white-footed mice (Peromyscus leucopus) with implications for social network analysis.*  
Department of Biology Missouri State University.

**Weiqiang Zhi\*, Adam A. Ahlers**, *Assessing the role of habitat associations with extinction risk of Earth's mammal species.* Department of Statistics, Kansas State University, Department of Horticulture and Natural Resources, Kansas State University.

**Break** 4:45 PM

**Business Meeting** 5:00 PM; Announcement of recipient of Student Research Presentation/Poster Awards and Distinguished Service Award

**Dinner and Social** 6:30 PM