

KHS 47th Annual Meeting Program

The 2020 KHS Annual Meeting is free and open to all interested persons
Support for the KHS through membership is appreciated (click Web Store, above) All times
are Central Standard Time

The Auction is open now — Auction items end between noon and 10 PM on 7 November
2020

<https://webapps.fhsu.edu/ksherp/auction.aspx>

Friday Night Social — 6 November 2020 @ 5 PM

<https://fhsu.zoom.us/j/95257833480>

Saturday — 7 November 2020

Zoom: <https://fhsu.zoom.us/j/95643179354> (for all but poster sessions)

- 12:00 pm **Welcome by Chris Visser**
- 12:15 **Herpetofauna Communities on Mined Lands in Southeast Kansas**
Emma M. Buckardt, Christine C. Rega-Brodsky, Andrew D. George
• Pittsburg State University, ebuckardt@gus.pittstate.edu
- 12:30 **Grip it and Flip it 4.0: Season Four of Herpetofaunal Composition and Monitoring at the Sternberg Natural Area**
Jacob N. Alexander, Curtis J. Schmidt, Morgan A. Noland, Mitchell J. Greer
• FHSU Department of Biological Sciences, Fort Hays State University;
jnalexander2@mail.fhsu.edu
- 12:45 **Larval Amphibian Distribution across Intermittent Stream Pools in the Flint Hills**
Jake T. Wright, Christine S. Streid, Krista J. Ward, Thomas M. Luhring
• Wichita State University, jtwright3@shockers.wichita.edu
- 13:00 **Break**
- 13:15 **Demographics and space-use of Ornate Box Turtles (*Terrapene ornata*) in Kansas and Nebraska: A comparative study**
*Samuel Wagner*¹, Aubrey Gauntt¹, Amelia Weller¹, Shelby Bloom², Kaylyn Hobelman¹, Colin Nelson¹, Megan Hanson², Natalie Radcliffe², Benjamin Reed¹
• ¹Washburn University, ²University of Nebraska-Lincoln;
samuel.wagner@washburn.edu
- 13:30 **Assessing behavioral syndromes in the Ornate Box Turtle (*Terrapene ornata*)**
*Shelby Bloom*¹, Aubrey Gauntt², Samuel Wagner², Amelia Weller², Becca Tolbert², Benjamin Reed²
• ¹University of Nebraska-Lincoln, ²Washburn University;
shelby.bloom@huskers.unl.edu
- 13:45 **Behavior types relate to measures of space use differently across populations of Ornate Box Turtles (*Terrapene ornata*)**
*Aubrey Gauntt*¹, Samuel Wagner¹, Shelby Bloom², Amelia Weller¹, Kaylyn Hobelman¹, Benjamin Reed¹

14:00	<ul style="list-style-type: none"> • ¹Washburn University, ²University of Nebraska-Lincoln; aubrey.gauntt@washburn.edu <p>Spatial memory and space-use of Ornate Box Turtles (<i>Terrapene ornata</i>) in Eastern Kansas <i>Steven Dennis</i>, Amelia Weller, Kaylyn Hobelman, Samuel Wagner, Benjamin Reed.</p> <ul style="list-style-type: none"> • Washburn University; steven.dennis1@washburn.edu
14:15	Break
14:30	<p>Snake Entanglement in Erosion Control Blankets: Causes, Consequences, and Conservation. <i>Christopher M. Schalk</i>¹, Kasey L. Jobe¹, Krista J. Ward¹, Sarah E. Ebert¹, Cory K. Adams², Daniel Saenz²</p> <ul style="list-style-type: none"> • ¹Stephen F. Austin State University; ²United States Forest Service; schalkc@sfasu.edu
14:45	<p>Adult Body Size and Clutch Characteristics of the Wood Frog, <i>Lithobates sylvaticus</i> (LeConte, 1825), Along an Altitudinal Gradient <i>Walter E. Meshaka, Jr.</i>¹, Pablo R. Delis², and Eugene Wingert³, Erika Coover², and Jeffrey Forrester⁴</p> <ul style="list-style-type: none"> • ¹Section of Zoology and Botany, State Museum of Pennsylvania, 300 North Street, Harrisburg, PA 17120, U.S.A., ²Department of Biology, Shippensburg University, 1871 Old Maine Drive Shippensburg, Pennsylvania 17257 U.S.A., ³Department of Biology, Dickinson College, Post Office Box 1773, Carlisle, PA 17013 U.S.A., ⁴Department of Mathematics, Dickinson College, Post Office Box 1773, Carlisle, PA 17013 U.S.A.; wmeshaka@pa.gov
15:00	Break
15:15	<p>Demography of two aquatic turtle species in southwestern Pennsylvania <i>Daniel F. Hughes</i>¹ and <i>Walter E. Meshaka, Jr.</i>²</p> <ul style="list-style-type: none"> • ¹Department of Biology, Coe College, 1220 1st Avenue NE, Cedar Rapids, Iowa 52402; ²Section of Zoology and Botany, State Museum of Pennsylvania 300 North Street, Harrisburg, Pennsylvania 17120; dhughes@coe.edu
15:30	<p>Analyzing the Impact of Environmental Variables on Breeding Pond Occupancy of <i>Ambystoma</i> Salamanders <i>Meghan Ward</i>, Thomas Hossie</p> <ul style="list-style-type: none"> • Trent University; meghanward@trentu.ca
15:45	<p>Sirens Changed their Relationship with Droughts to “it’s complicated.” CANCELLED <i>Thomas M. Luhring</i>^{*1,2}, Lyndsie S. Wszola³, Grant M. Connette^{4,5}, and Christopher M. Schalk⁶</p> <ul style="list-style-type: none"> • ¹Biological Sciences, Wichita State University, ²Savannah River Ecology Laboratory, University of Georgia, ³Biological Sciences, University of Nebraska, ⁴Working Land and Seascapes, Conservation Commons, Smithsonian Institution, ⁵Smithsonian Conservation Biology Institute, ⁶Arthur Temple College of Forestry and Agriculture, Stephen F. Austin University; tomluhring@gmail.com
16:00	Break
16:10	Poster Session (each with an individual Zoom)

[Zoom](#)
[PDF](#)

A Survey for the Presence of *Batrachochytrium dendrobatidis* at Powdermill Nature Reserve, PA, USA

*Amanda L. J. Duffus*¹, *Andrea Kautz*², *Daniel F. Hughes*³, *Steven J. R. Allain*⁴, and *Walter E. Meshaka Jr.*⁵

• ¹Department of Natural Sciences, Gordon State College, Barnesville, GA 30204, ²Carnegie Museum of Natural History, Powdermill Nature Reserve, Rector, PA 15677, ³Department of Biology, Coe College, Cedar Rapids, IA, 52402, ⁴Durrell Institute of Conservation and Ecology, University of Kent, Canterbury, UK ⁵Section of Zoology and Botany, State Museum of Pennsylvania, Harrisburg, PA 17120; aduffus@gordonstate.edu

[Zoom](#)
[PDF](#)

Ranavirus Infections in Wild North American Herpetofauna

Patricia L. Bartlett, *Tiffany M. Ward*, *Dana E. Brue*, *Anastascya K. Carey*, and *Amanda L. J. Duffus*

• Health of Herpetofauna Communities Research Group, Department of Natural Sciences, Gordon State College, Barnesville, GA 30204; aduffus@gordonstate.edu

[Zoom](#)
[PDF](#)

Does Installation Method Affect Snake Entanglement in Erosion Control Blankets?

*Krista J. Ward*¹, *Kasey L. Jobe*¹, *Nicholas C. Schiwitz*², *Christopher M. Schalk*², *Daniel Saenz*³

• ¹Department of Biology, Stephen F. Austin State University, ²Arthur Temple College of Forestry and Agriculture, Stephen F. Austin State University, ³Southern Research Station, United States Forest Service; kristajoy.ward@gmail.com

[Zoom](#)
[PDF](#)

Effect of Controlled Prairie Burning on Ornate Box Turtle (*T. ornata ornata*) Space-use and Below-ground Temperatures

Brice Riddle, *Samuel Wagner*, *Benjamin Reed*

• Washburn University; brice.riddle@washburn.edu

[Zoom](#)
[PDF](#)

Measuring Herpetofaunal Biodiversity of SW Missouri

Lexis Mader, *Kelsea Tyson*, *Thomas Zapletal*, *Jeremiah Cline*, *Alyssa Farney*, *Loegan Hill*, *Jainee Cowen*, *Camron Matteson*, and *David Penning*

• Missouri Southern State University, penning-d@mssu.edu

[Zoom](#)
[PDF](#)

Measuring Venom Delivery and Strike Performance Across Ontogeny in Cottonmouths

Nathan Piccoli, *Jillian Hackney*, *Veronica Nguyen*, and *David Penning*

• Missouri Southern State University; penning-d@mssu.edu

[Zoom](#)
[PDF](#)

Seeing Red: Quantifying the Diversity of Constriction Pressures Generated by Snakes

Jillian Hackney and *David Penning*

• Missouri Southern State University; penning-d@mssu.edu

[Zoom](#)
[PDF](#)

Preliminary Assessment of the Aquatic Turtle Community at the Sternberg Natural Area

Jacob N. Alexander, *Curtis J. Schmidt*, *Morgan A. Noland*, *Mitchell J. Greer*.

• FHSU Department of Biological Sciences, Fort Hays State University; jnalexander2@mail.fhsu.edu

Business Meeting: Zoom: <https://fhsu.zoom.us/j/95643179354>

17:00

Introduction of KHS Officers and dignitaries by *Christopher Visser*

KHS Treasurer's Report for 2020 by *Dexter R. Mardis*

KHS Secretary's Report for 2020 by *Todd Volkmann*

KHS Editor's Report for 2020 by *Daren Riedle*

KHS Historian's Report for 2020 by *Suzanne L. Collins*

KHS Media and Publicity Report for 2020 by *Diedre Kramer*

KHS Field Trips Report for 2020 by *Travis W. Taggart*

Report on **Plans for the 48th Annual KHS Meeting** in Pittsburg, KS on 5-7 November 2021 by

KHS President-Elect *Andrew George*, Pittsburg State University.

Old Business

New Business

Election of KHS Officers for 2021. The KHS Nominating Committee Chair, *Lynnette Sievert* (Emporia, KS), offers the following slate of candidates:

- For President-Elect • David Penning (Joplin, MO)
- For Treasurer (unopposed) • Dexter R. Mardis (Wichita, KS)
- For Secretary (unopposed) • Todd Volkmann (Wichita, KS)

KHS Awards Ceremony. *Daniel D. Fogell* KHS Awards Committee Chair (Southeast Community College, Lincoln, NE)

- Walter E. Meshaka, Jr. Award for Excellence in Ecology
- Henry S. Fitch-Dwight R. Platt Award for Field Herpetology
- Howard Kay Gloyd-Edward Harrison Taylor Scholarship
- Alan H. Kamb Grant for Research on Kansas Snakes
- The Suzanne L. and Joseph T. Collins Award for Excellence in Kansas Herpetology

17:50 Break

18:00 KEYNOTE: **Somebody's Got to Stay Outside!** *Michael Lannoo*. Indiana University, School of Medicine, Terre Haute, Indiana 47809
Zoom: <https://fhsu.zoom.us/j/95643179354>

19:00 KHS Virtual Social