

KANSAS HERPETOLOGICAL SOCIETY

44th Annual Meeting • 3-5 November 2017

FRIENDS UNIVERSITY
Wichita, Kansas



<http://www.cnah.org/khs>

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All Scientific Paper Sessions are in 100 Penn Hall, Friends University

SATURDAY • 4 NOVEMBER 2017

8:00am - Registration: **Kelley Tuel** (KHS Secretary) and **Daren Riedle** (KHS Treasurer) just outside of William Penn Hall 100 at Friends University, Wichita, Kansas. KHS Annual Meeting T-Shirts featuring original artwork by **Tiffany Jehle** will be available for purchase for \$20.00 each. Beverages (non adult) and breakfast pastries provided gratis.

9:00 am • Opening Address by **Dexter R Mardis**, President, Kansas Herpetological Society, Wichita, KS.

9:05 am • Welcome by **Alan D. Maccarone**, Professor, Friends University

9:15 am • When noodles wrestle, things get weird: Whole-body and muscle-level performance in kingsnakes and ratsnakes. **David A. Penning**. Missouri Southern State University, Joplin, MO. davidapenning@gmail.com

9:30 am • Influence of Canopy Cover on Herpetofauna in an Eastern Texas Woodland. **Erin E. Stiede** and Richard T. Kazmaier. West Texas AandM University, Canyon, TX. eestiede1@buffs.wtamu.edu **

9:45 am • Effects of non-native vegetation on amphibian development. **Chelsea S. Kross**, Allyn K. Dodd, Philip L. Mariage, Micaela C. Klaus, Logan P. Estes and John D. Willson. University of Arkansas, Fayetteville, AR. ckross@uark.edu **

10:00 am • Habitat Associations in a Coastal Texas Aquatic Snake Community. **Logan D. Ediger**, Richard T. Kazmaier, and Daniel P. Walker. West Texas AandM University, Canyon, TX. ldediger1@buffs.wtamu.edu **

Session 1

BREAK 10:15 to 10:30 am

Travis W. Taggart, Sternberg Museum of Natural History, Hays, KS.

10:30 am: • Old Data Sets in the Digital Age: What's Mined Could Be Yours. **George Pisani**, Daren Riedle. Kansas Biological Survey, Lawrence, KS. gpisani@ku.edu

10:45 am • Comparative Demography within a Kansas Snake Assemblage: Revisiting Old Data Sets. **Daren Riedle**, George Pisani. Kansas Department of Wildlife, Parks, and Tourism, Pratt, KS. daren.riedle@ks.gov

11:00 am • Molecular phylogeography of the Chihuahuan Green Toad (*Anaxyrus debilis*) with implications for the Kansas population. **Mark W. Herr**, Travis Taggart, Perry L. Wood Jr., and Rafe M. Brown. University of Kansas, Lawrence, Kansas. mwherr@gmail.com **

11:15 am • Herpetofaunal Diversity Across Four Properties in the Flint Hills: A Glance at Latitudinal Gradation. **Dexter R. Mardis**, Gregory R. Houseman, and Mary Liz Jameson. Wichita State University, Wichita, KS. dexter.mardis@wichita.edu

11:30 am • Distribution of the Strecker's Chorus Frog in Kansas. **Zackary Cordes**, Jeff Seim, Chelsea Hofmeier, Travis Taggart, Curtis Schmidt, Daren Riedle. Kansas Department of Wildlife, Parks and Tourism, Pratt, KS. zackary.cordes@ks.gov

Session 2

11:45 am KHS Group Photograph (Larry L. Miller, Kansas Heritage Photography, Wakarusa, KS)

LUNCH: ~11:50 am to 1:30 pm

(Meeting participants are expected to forage independently, or in large groups if this provides leverage.)

Patrick Mathews, Friends University, Wichita, KS.

1:30 pm • Gopher Tortoise Seed Dispersal. **Carolyn Hanish**, Corey D. Anderson, Jon A. Moore. Florida Atlantic University, Boca Raton, FL. creismi@gmail.com

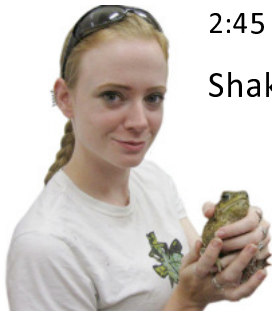
1:45 pm • Herpetofaunal Community Analysis of Eastern Kansas with Emphasis on the Broad-headed Skink. **Allison Hullinger**, Zackary Cordes, Daren Riedle, and William Stark. Fort Hays State University, Hays, KS. arhullinger@mail.fhsu.edu **

2:00 pm • An Inventory of the Herpetofauna of Ferris Mountain Wilderness Study Area. **Anthony E. Bridger**. Bureau of Land Management, Rawlins, WY. abridger@blm.gov

Session 1

BREAK 2:15 to 2:30 pm

2:30 pm • SWAP's, Blue Ribbons, and Chickadee's: Future Directions for Kansas Herpetology. **Daren Riedle**. Kansas Department of Wildlife, Parks, and Tourism, Pratt, KS. daren.riedle@ks.gov



2:45 pm • KEYNOTE ADDRESS:

Shake Rattle and Roll, From Snake Fungal Disease to the Quabbin Rattlesnake Introduction

Anne Stengle

Holyoke Community College, Holyoke, MA
astengle@hcc.edu

Session 3

BREAK 3:45 to 4:00 pm

4:00 pm KHS General Business Meeting, KHS President **Dexter R. Mardis** presiding
Introduction of KHS Officers and Dignitaries by **Dexter R. Mardis**
KHS Treasurer's Report for 2017 by **Daren Riedle**
KHS Secretary's Report for 2017 by **Kelley Tuel**
KHS Editor's Report for 2017 by **Travis W. Taggart**
KHS Historian's Report for 2017 by **Suzanne L. Collins**

Report on Plans for the 45th Annual KHS Meeting in Emporia, KS on the first weekend in November 2018 by
KHS President-Elect **Lynnette Sievert**, Emporia State University, Emporia, KS.

Election of KHS Officers for 2018.

The KHS Nominating Committee Chair, **Brent Schulze** (Denver, Colorado), offers the following slate of candidates:

- For President-Elect • **Curtis J. Schmidt** (Hays, KS) and **Christopher Visser** (Lincoln, NE)
- For Treasurer (unopposed) • **Daren Riedle** (Pratt, KS)
- For Secretary (unopposed) • **Kelley Tuel** (Kansas City, KS)
- Announcement of the results of the KHS election by the KHS President

KHS General Business Meeting

4:30 pm KHS Awards Ceremony
Daniel D. Fogell (Southeast Community College, Lincoln, Nebraska)

- Presentation of the *Henry S. Fitch-Dwight R. Platt Award for Field Herpetology* for 2017. The recipient receives a commemorative certificate and a check for \$200.00.
- Presentation of the *Howard Kay Gloyd-Edward Harrison Taylor Scholarship* for 2017. The recipient receives a commemorative certificate and a check for \$300.00.
- Presentation of the *Alan H. Kamb Grant for Research on Kansas Snakes* for 2017. The recipient receives a commemorative certificate and a check for \$300.00.
- Presentation of *The Suzanne L. and Joseph T. Collins Award for Excellence in Kansas Herpetology* for 2017. The recipient of The Collins Award receives a commemorative certificate and a check for \$1000.00.
- KHS Business Meeting adjourns around 5:00 pm. Dinner at the restaurant of your choice. Then make your way to the Education Center at the Sedgwick County Zoo no later than 6:30 pm; that's where FREE BEER, SOFT DRINKS, and SNACKS are located.

Awards

DINNER ca. 4:45 pm to 6:15 pm

(Meeting participants are again expected to forage,
this time with greater skill because of their lunch-time experience.)

- 6:30 ~
- The annual Saturday night social, poster session, and fund-raising auction will be held at the Sedgwick County Zoo's Cargill Learning Center (5555 West Zoo Boulevard, Wichita 67212) starting at 6:30pm. KHS will provide FREE BEER, SOFT DRINKS, and SNACKS. The auction will be preceded by the 3rd annual poster session. The poster session will run from 6:30 to 7:30 pm. All presenters may set up posters from 6:00 to 6:30 in the CLC.
 - The Walter E. Meshaka, Jr. Award for Excellence in Ecology will be awarded following the poster session. The Meshaka Award may be awarded to any poster presented that pertains to North American herpetology, and comes with a Commemorative Certificate, and a check for \$100.
- 7:30 pm -
- The KHS Auction will feature many breath-taking books and other items (of questionable value). The KHS takes cash, credit cards, and checks. Be sure and get a bidding number before the auction commences. Bid vigorously, and support the KHS.

Please bring herpetological items for the auction. Deliver them to the auction site Saturday evening. We count on you to bring items about amphibians, or reptiles and other stuff oriented to herpetology. PLEASE DO NOT BRING LIVING OR DEAD ANIMALS. No specimens or body parts of herpetofauna will be sold at auction. Auctioneer Dan Fogell, will provide the entertainment and the KHS will supply snacks and beverages. Bring herpetological items to donate (the more scandalous the better) and join us for a relaxing and fun-filled evening.

SUNDAY • 5 NOVEMBER 2017

- 8:00 am Registration for participants that did not register on Saturday: **Kelley Tuel** (KHS Secretary) and **Daren Riedle** (KHS Treasurer) just outside Penn Hall 100. KHS Annual Meeting T-Shirts featuring original artwork by Tiffany Jehle featuring a stunning Ring-necked Snake (*Diadophis punctatus*) will be available for purchase for \$20.00 each. Free coffee, soft drinks, and donuts.

Christopher Visser, Nebraska Nature Service, Lincoln, Nebraska

- 9:00 am • The forest for the trees: Comparisons of arboreal and terrestrial strike performance in green tree pythons. **Levi Parker** and David A. Penning. Missouri Southern State University, Joplin, MO. ParkerD004@mymail.mssu.edu **
- 9:15 am • A preliminary look at the home range size and population dynamics of the Ornate Box Turtle at Quivira National Wildlife Refuge. **Diedre L. Kramer** and William J. Stark. Fort Hays State University, Hays, KS. dlkramer3@mail.fhsu.edu **
- 9:30 am • When predators become prey: Testing for differences in the striking behavior of western ratsnakes. **Ashley Burns** and David A. Penning. Missouri Southern State University, Joplin, MO. ashleyburns34@gmail.com **
- 9:45 am • Don't let it go to your head: Understanding the mechanisms of constriction. **Christian Neff** and David A. Penning. Missouri Southern State University, Joplin, MO 64801. canm44@mail.missouri.edu **
- 10:00 am • PARC what it means to be a Partner in Amphibian and Reptile Conservation. **Joe Ehrenberger** and **Brent Schulze**. Denver, CO. BSchulze.network@gmail.com

BREAK 10:15 am to 10:30 am

Curtis Schmidt, Sternberg Museum of Natural History, Hays, Kansas

- 10:30 am • Resource Selection in Western Ratsnakes: Implications for Bird Nest Predation. **Andrew George**, Grant Connette, Frank Thompson III, John Faaborg. Pittsburg State University, Pittsburg, KS. adgeorge@pittstate.edu
- 10:45 am • Home Range Size of the Western Massasauga in Cheyenne Bottoms. **Joshua J. Mead** and William J. Stark. Fort Hays State University, Hays, KS. jjmead@mail.fhsu.edu **
- 11:00 am • An Aerial Perspective; Using Unmanned Aerial Systems to Identify Lizard Microhabitat. **Sean C. Rogers**, William J. Stark. Fort Hays State University, Hays, KS 67601. scrogers3@mail.fhsu.edu **
- 11:15 am • Rattled in the Rockies, Public Education and Outreach Through Rattlesnake Telemetry. **Joseph Ehrenberger** and **Brent Schulze**. Adaptation Environmental Services, Denver CO. BSchulze.network@gmail.com
- 11:30 am • Factors Influencing Capture Success of Yellow Mud Turtles. **J. Aaron Zenor**, Richard T. Kazmaier, and Trevor J. McVay. West Texas AandM University, Canyon, TX. jazenor@live.com **

Noon: Presentation of the ninth annual George Toland Award by KHS Awards Committee Chair **Daniel D. Fogell**. The award is given for the best paper presented at this meeting by a KHS student member on the ecology of North American amphibians, reptiles, turtles, and/or crocodilians. The KHS Awards Committee will select the winner. The recipient must be present to receive the commemorative certificate and a check for \$200.00, co-sponsored by the KHS and The Center for North American Herpetology.

ADJOURNMENT

Have a safe trip home. See you on the first weekend in November 2018 in Emporia, for the 45th Annual KHS Meeting.

POSTERS

1. Assessing the ability of managed loblolly pine forests to support longleaf pine-associated reptile and amphibian communities in the Western Gulf Coastal Plain. **Ethan Royal** and J.D. Willson. University of Arkansas, Fayetteville, AR. ejroyal@uark.edu
2. Meristic Variation in Kansas Broad-headed Skinks and Five-lined Skinks. **Allison Hullinger**, Zackary Cordes, Daren Riedle, and William Stark. Fort Hays State University, Hays, KS. arhullinger@mail.fhsu.edu
3. Effects of digestion on temperature selection and meal size on SDA in cornsnakes (*Pantherophis guttatus*). Tyleia Prendergast and **Lynnette Sievert**. Emporia State University, Emporia, KS. lsievert@emporia.edu
4. Snake Populations at Quivira National Wildlife Refuge: Differences Between Capture Methods. **Joshua J. Mead**, Robert Channell, Mitchell Greer, and William J. Stark. Fort Hays State University, Hays, KS. jjmead@mail.fhsu.edu
5. A short and stubby comparison: Constriction performance of the Borneo python (*Python breitensteini*). **Christian Neff** and David A. Penning. Missouri Southern State University, Joplin, MO. canm44@mail.missouri.edu
6. Putting the snap in snapping turtle: Proximate determinants of bite force in *Chelydra serpentina*. **Teddy Pashia** and David A. Penning. Missouri Southern State University, Joplin, MO. pashiat@gmail.com
7. A thermoregulatory strategy for an ectothermic ambush predator. **Larry K. Kamees**. University of Arkansas, Fayetteville, AR. lkamees@uark.edu
8. Have you seen me? Looking for Northern Map Turtles and Mudpuppies in eastern Kansas. **David Gersten**, **Katie Porth**, Alexis Powell, and David Edds. Emporia State University, Emporia, KS. dgersten@g.emporia.edu
9. Survey of Anuran Chytrid in Kansas and Influence of Anuran Life-History in Occurrence. Ariel Snyder, Daren Riedle, William Stark, and **Joshua Mead**. Fort Hays State University, Hays, KS. jjmead@mail.fhsu.edu
10. Grip It and Flip It: Using artificial cover to monitor changes in herpetofaunal community composition in response to small-scale prairie restoration. **Jacob Alexander**, Curtis J. Schmidt, Mitchell J. Greer, Morgan A. Noland. Hays, KS. jnalexander2@mail.fhsu.edu
11. Stop, collaborate, and listen: A new reptile physiology lab at Missouri Southern State University. **David A. Penning**. Missouri Southern State University, Joplin, MO 64801. davidapenning@gmail.com
12. Efficacy of Different Artificial Cover Objects in Reptile Surveys in Kansas: A Long Term Study. **Greg Sievert**. Emporia State University, Emporia, KS. gsievert@emporia.edu

AWARD CRITERIA

The Suzanne L. and Joseph T. Collins Award for Excellence in Kansas Herpetology will be given at this KHS 44th Annual Meeting in Wichita, Kansas, to the KHS member judged to have taken the best photograph of a native species of the Kansas herpetofauna. The KHS Awards Committee, composed of **Daniel D. Fogell** and **Curtis J. Schmidt** will select the recipient from photographic prints on display in room 127, from 10:00 am to 2:00 pm on Saturday, 4 November 2017, at the KHS meeting.

Walter E. Meshaka, Jr. Award for Excellence in North American Herpetology will be given to the best judged ecology poster.

** Signifies eligibility for the George Toland Award for Ecological Research on North American Herpetofauna.

*** Denotes eligibility for the Suzanne L. and Joseph T. Collins Award for Excellence in Kansas Herpetology in 2018.

Annual Meeting participants are encouraged to forage at these local eateries that are close to Friends University.

Wichita Fish Co

1601 W Douglas Ave, Wichita, KS 67213

0.5 miles

Yokohama Ramen Joint

613 W Douglas Ave, Wichita, KS 67213

1.2 miles

T J's Burger House

1003 W Douglas Ave, Wichita, KS 67213

0.9 miles

The Monarch

579 W Douglas Ave, Wichita, KS 67213

1.2 miles

Delano Barbeque Company,

710 W Douglas Ave, Wichita, KS 67203

1.1 miles

Picasso's Pizzeria

621 W Douglas Ave, Wichita, KS 67213

1.2 miles

Many fast-food/chain restaurants can also be found by taking Meridian west to West Street, and traveling north or south.

44th Annual Meeting Committee

Dexter R. Mardis (Chairperson)

Nate Nelson, Lindy Gates, Jeff Ettling,

Suzanne L. Collins, Patrick Mathews