AKNOWLEDGMENTS:

Local Committee:  Rich Glor (Chairperson)  
Rafe Brown  
Ana Motta

Sponsors:  University of Kansas Biodiversity Institute, Lawrence, Kansas  
The Center for North American Herpetology, Lawrence, Kansas  
JTC Enterprises, LLC, Lawrence, Kansas  
Free State Beer, Lawrence, Kansas

Volunteers:  Wendy Holman, Kansas Biological Survey  
Rafe Brown, KU Biodiversity Institute  
Ana Motta, KU Biodiversity Institute  
Rich Glor, KU Biodiversity Institute  
Errol Hooper, KU Biodiversity Institute  
Javier Torres, KU Biodiversity Institute  
Mark Herr, KU Biodiversity Institute  
Christian Supsup, KU Biodiversity Institute  
Hannah Som, KU Biodiversity Institute  
Camila Meneses, KU Biodiversity Institute  
Chan Kin Onn, KU Biodiversity Institute  
Kier Pitogo, KU Biodiversity Institute  
Saymé Pérez Martinez, KU Biodiversity Institute  
Tom Luhring, Wichita State University  
Shania Burkhead, Wichita State University  
Sydney Falcon, Wichita State University  
Grace Schafer
THURSDAY • 2 NOVEMBER 2023

No-host Social

7:00 to 10:00 pm
Johnny’s Tavern (Original)
401 N 2nd St, Lawrence, KS 66044

FRIDAY • 3 NOVEMBER 2023

Afternoon Tours: (by registration; see KHS website)
Herpetology Division, KU Biodiversity Institute
Fitch Reserve, KU Ecological Areas and Reserves

Evening Social:

6:30 to 9:00 pm
Dyche Hall Panorama
Herpetology Quiz: 7:15 to 8:15 pm
Beverages and snacks provided: 7:00 to 8:45 pm

SATURDAY • 4 NOVEMBER 2023

8:00 am Registration: Keith Geluso (KHS Secretary) and Dexter R. Mardis (KHS Treasurer) in the Burge Union.
Poster set-up. Drinks and snacks available.

PLEASE NOTE: Photographers competing for The Suzanne L. & Joseph T. Collins Award for Excellence in Kansas Herpetology must get their submissions set up and ready for viewing.
Posters are available all day. Presenters are asked to be at their poster between 10:00 and 11:00 AM Sunday.

All-day Identify that Kansas Herp Quiz (Burge Union)

9:00 am Welcome by Rafe Brown KHS President, The University of Kansas.

MORNING KEYNOTE

Re-wilding the Earth,
Re-wilding our Lives

Dr. Harry Greene
University of Texas at Austin
**Scientific Paper Session I** - Moderator: Bill Stark, Fort Hays State University, Hays, Kansas

10:15 am  
**HOT TIMES AT WEST TEXAS MOUNTAIN HIGH: THE SPATIAL AND THERMAL RELATIONSHIP OF THREE SYMPATRIC RATTLESNAKES.**  
**Joshua J. Mead** (jjmead@miners.utep.edu) and Jerry D. Johnson. Department of Biological Sciences, University of Texas at El Paso, El Paso, Texas.

10:30 am  
**USING GENETICS TO UNRAVEL THE ECOLOGY OF A TEGU INVASION.**  
1 Rachel N. Pikstein (rpbiologist@gmail.com), 2 Walter E. Meshaka Jr., 3 Jeffrey S. Forrester, 1 Dean Williams, 1 Cydney M. Andrew, 1 Joseph B. Nies, 1 Brent Hilla, and 1 Matthew L. Arnold. Pikstein Laboratory (NFP), Grand Canyon University, Phoenix, Arizona, 2 Section of Zoology and Botany, State Museum of Pennsylvania, Harrisburg, Pennsylvania.

10:45 am  
**CONSERVATION ANALYSIS OF CHIHUAHUAN GREEN TOADS, ANAXYRUS DEBILIS, IN WESTERN KANSAS.**  
**Mackenzie Reh** (mgzielke@mail.fhsu.edu) and Dr. William Stark. Department of Biological Sciences Department, Fort Hays State University, Hays, Kansas.

11:00 am  
**HISTORICAL CONTEXT AND PRELIMINARY HERPETOFAUNA SURVEYS ON FORT LEAVENWORTH MILITARY RESERVATION.**  
**Nora K. Lazerus** (nklazerus@fhsu.edu), William J. Stark, and Jacob N. Alexander. Department of Biological Sciences, Fort Hays State University, Hays, Kansas.

11:15 am  
**POND(ERING) NORTHERN WATERSNAKE, NERODIA SIPEDON SIPEDON, LONG-TERM DEMOGRAPHY IN A NORTHERN ALLEGHENY WETLAND MATRIX.**  
1 Walter E. Meshaka, Jr. (wmeshaka@pa.gov), 2 Daniel F. Hughes, and 3 Stanley E. Trauth. 1 Section of Zoology and Botany, State Museum of Pennsylvania, Harrisburg, Pennsylvania, 2 Department of Biology, Coe College, Cedar Rapids, Iowa, 3 Trauth Histo-herpetology Lab, Arkansas State University, Morrilton, Arkansas.

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**KHS GROUP PHOTOGRAPH**  
(Chan Kin Onn, The University of Kansas)

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**LUNCH: 11:45 am to 1:00 pm**  
(Meeting participants are expected to forage independently, or in large groups if this provides leverage)

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**Scientific Paper Session II** - Moderator: Walter E. Meshaka, Jr., State Museum of Pennsylvania, Harrisburg, Pennsylvania

1:00 pm  
**ARE ALL ARTIFICIAL COVER OBJECTS EQUALLY EFFECTIVE IN REPTILE SURVEYS?**  
**Greg Sievert** (gsievert@g.emporia.edu). Department of Biological Sciences, Emporia State University, Emporia, Kansas.

1:15 pm  
**REVISITING A LEGACY DATA SET: VARIATION IN THE REPRODUCTIVE VALUE OF WESTERN RAT SNakes, PANTHEROPHIS OBSOLETUS.**  
1 J. Daren Riedle (daren.riedle@ks.gov) and 2 George Pisani. 1 Kansas Department of Wildlife and Parks, Pratt, Kansas, 2 Kansas Biological Survey, Lawrence, Kansas.

1:30 pm  
**A FIELD-BASED COMPARISON OF PIT TAGS AND PHOTO RECOGNITION.**  
**Jacob Kearns** (jakearns@shockers.wichita.edu), Sydney Falcon, Megan Flanagan, and Thomas M. Luhring. Wichita State University, Wichita, Kansas.

1:45 pm  
**USING FROG CALL SURVEYS TO ASSESS THE STATUS OF CRAWFISH FROGS (**Lithobates Arelatus**) IN OKLAHOMA.**  
**Kaleb M. Banks** (kaleb.banks@okstate.edu), Owen M. Edwards, Bo Zhang, and Michael S. Reichert. Oklahoma State University, Stillwater, Oklahoma.

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BREAK
2:15 pm (PRELIMINARY REPORT) SURVIVORSHIP AND SPATIAL USE OF HEADSTARTED TEXAS HORNED LIZARDS (*PHRYNOSOMA CORNUTUM*) SOFT-RELEASED AS ADULTS INTO AN URBAN POPULATION.

*Forrest Nielsen* (forrest.nielsen@ou.edu). University of Oklahoma, Norman, Oklahoma.

2:25 pm SURVEY OF AMPHIBIANS AND REPTILES AT A RESTORED PRAIRIE ON THE CAMPUS OF MISSOURI WESTERN STATE UNIVERSITY.

*Mark S. Mills* (mmills3@missouriwestern.edu), Destiny Christopher, Yu Kai Ng, Monet Phipps, and Zachary Hendrickson. Missouri Western State University, St. Joseph, Missouri.

2:35 pm GEOGRAPHIC VARIATION COMPLICATES THE IDENTIFICATION OF CHORUS FROGS NEAR RANGE BOUNDARIES.

1^2Taylor Michael* (taylormichael@ku.edu), 3Christine Rega-Brodsky, and 4Andrew George. 1University of Kansas, Lawrence, Kansas; 2Pittsburg State University, Pittsburg, Kansas.

2:45 pm TOASTY TESSELATA: THERMAL ECOLOGY OF THE CHECKERED WHIPTAIL IN THE CHIHUAHUAN DESERT.

1^2Spencer J. Duffendack* (sjd6884@truman.edu), 3Océane Da Cunha, 4Joshua J. Mead, 5Ximena Larrieu, 5Simon L. Terrazas, 1Chad E. Montgomery, and 4Jerry D. Johnson. 1Truman State University, Biology Department, Kirksville, Missouri; 2University of Texas at El Paso, El Paso, Texas.

2:55 pm HARD TOPICS: THE CHALLENGES OF STUDYING A NEAR-THREATENED (OR MAYBE UNDER-RESEARCHED?) TURTLE.

1^2Thomas M. Zapletal* (tz56s@missouristate.edu), 1Larissa Saarel, 1^2Donald T. McKnight, 1Day B. Ligon. 1Department of Biology, Missouri State University, Springfield, Missouri; 2Belize Turtle Ecology Lab, Savanna Field Station, La Democracia, Belize District, Belize.

3:10 pm A TURTLE IN HAND MEANS MORE IN THE BUSH: CONSERVATION EDUCATION STRATEGIES.

*Monica Macoubrie* (monica.macoubrie@nebraska.gov). Nebraska Game and Parks, Lincoln, Nebraska.

3:25 pm

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**KHS General Business Meeting**

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KHS General Business Meeting, KHS President *Rafe Brown* presiding
Introduction of KHS Officers & Committee Chairpersons
KHS Treasurer’s Report by *Dexter R. Mardis*
KHS Secretary’s Report by *Keith Geluso*
KHS Editor’s Report by *J. Daren Riedle*
KHS Historian’s Report by *Suzanne L. Collins*
KHS Field Trip Report by *Travis W. Taggart*

Report on Plans for the 51st Annual KHS Meeting on the first weekend in November 2024
by KHS President-Elect *Bill Stark*, Fort Hays State University, Hays, Kansas

**Election of KHS Officers for 2024**

*Lynnette Sievert* (Emporia, Kansas), the KHS Nominating Committee, offers the following slate of candidates:
For President-Elect • *Kelly Kluthe*, Kansas City, Missouri and *Alexis Powell*, Emporia, Kansas
For Treasurer • *Dexter R. Mardis*, Wichita, Kansas
For Secretary • *Keith Geluso*, Kearney, Nebraska

Announcement of the results of the KHS election by KHS President *Rafe Brown*

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DINNER ca. 5:00 to 6:00 pm
(Meeting participants are again expected to forage, this time with greater skill because of their lunch-time experience.)
6:00 pm  Oread Hotel
1200 Oread Avenue

6:30 pm  EVENING KEYNOTE

Uncovering the Evolutionary Drivers of Speciation in Chorus Frogs

Emily Moriarty-Lemmon
Florida State University

7:15 pm  KHS AWARDS CEREMONY

Dan Fogell, Chairman, KHS Awards Committee

Bronze Salamander Award
Exemplary long-term service to the KHS

The Suzanne L. & Joseph T. Collins Award
Best paper/presentation (even years) or photograph (odd years)

The Suzanne L. & Larry L. Miller Grant for Kansas Public School Teachers
To support teachers in Kansas public schools in acquiring hands-on experiences in herpetology

The Curtis J. Schmidt Award
Commitment to, and excellence in, public education and engagement

Howard K. Gloyd-Edward H. Taylor Scholarship
Educational scholarship

Gann Scholarship for Women in Herpetology
Educational scholarship

Alan H. Kamb Grant for Research on Kansas Snakes
Best research proposal on Kansas snakes

Henry S. Fitch-Dwight R. Platt Award for Excellence in Field Herpetology
Exemplary herpetological fieldwork in Kansas

George Toland Award for Ecological Research on North American Herpetofauna
Best research proposal on Kansas herp ecology (presented Sunday, prior to adjournment)

Walter Meshaka Award for Excellence of North American Amphibian and Reptile Ecology
Best poster presented at the KHS Annual Meeting (presented Sunday, prior to adjournment)

7:30 pm  KHS AUCTION

Auctioneers Daniel D. Fogell, Walter E. Meshaka, and Rich Glor will offer up many breathtaking 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. The KHS will provide one beer ticket and light snacks.
IMPACTS OF TEMPERATURE ON THE BITE FORCE OF PLESTIODON OBSOLETUS.
Andre Johnson (ajohns83@g.emporia.edu). Department of Biology, Emporia State University, Emporia, Kansas.

UNITING INDIGENOUS WISDOM AND SCIENTIFIC INQUIRY IN THE MERATUS MOUNTAINS.
Thornton Larson (trl21jz@sulross.edu). Sul Ross State University, Alpine, Texas.

COMPARATIVE POPULATION SIZE, STRUCTURE, AND SURVIVORSHIP OF TWO EASTERN MILKSNAKE, LAMPROPELTIS TRIANGULUM, POPULATIONS IN SOUTH-CENTRAL PENNSYLVANIA.
1Emeleigh Luckenbaugh (eluck0020@gmail.com), 1Dr. Pablo R. Delis, and 2Dr. Walter E. Meshaka, Jr. 1Department of Biology, Shippensburg University, Shippensburg, Pennsylvania; 2State Museum of Pennsylvania, Harrisburg, Pennsylvania.

LATITUDINAL CLINES IN AN ECTOTHERMIC VERTEBRATE: COUNTERGRADIENT VARIATION IN BODY SIZE, GROWTH RATE, AND REPRODUCTIVE EFFORT IN THE PRAIRIE LIZARD, SCELOPORUS CONSOBRINUS.
Travis R. Robbins (trobbins2@unomaha.edu). University of Nebraska Omaha, Omaha, Nebraska.

EARLY INSIGHTS ON GEOGRAPHIC VARIATION AND DISTRIBUTION IN THE MONOCLED COBRA (NAJA KAOUTHIA).
Neil R. Balchan (neil.balchan@okstate.edu) and Guinevere O. U. Wogan. Department of Integrative Biology, Oklahoma State University, Stillwater, Oklahoma.

YOU CAN’T SEE ME: BACKGROUND MATCHING IN THE WESTERN DIAMOND-BACKED RATTLESNAKE (CROTALUS ATROX).
Océane Da Cunha (odacunha@miners.utep.edu), Corentin Fournier, L. Miles Horne, and Jerry D. Johnson. Department of Biological Sciences, University of Texas at El Paso, El Paso, Texas.

EXPLORING PERSONALITY VARIATION IN TURTLES: AN OPPORTUNITY FOR MANAGEMENT?
1Daniel F. Hughes (dhughes@coe.edu), 1Kaylyn Hobelman, 1Aubrey Gauntt, 1Madison Schwenka, 1Abigail Trautman, 1Patience Wagner, 1Samantha Kim, Chelsea Armstrong, 1Sam Wagner, 1Amelia Weller, 1Katie Brighton, 1Shelby Bloom, 1Colin Nelson, 1Farah Suboh, Cameron Kolthoff, 1Sangai Dukuly, 1Rodrigo Mercader, and 2Benjamin M. Reed. 1Department of Biology, Coe College, Cedar Rapids, Iowa; 2Department of Biology, Washburn University, Topeka, Kansas.

PHYSIOLOGICAL AND MORPHOLOGICAL TRAITS AFFECT CONTEMPORARY RANGE EXPANSION AND IMPLICATIONS FOR SPECIES DISTRIBUTION MODELING IN AN AMPHIBIAN SPECIES.
Owen M. Edwards (owedwar@okstate.edu), Michael Reichert, Lu Zhai, and Bo Zhang. Department of Integrative Biology, Oklahoma State University, Stillwater Oklahoma.

A MULTI-YEAR EXAMINATION OF THE REPRODUCTIVE ECOLOGY OF TERRAPENE ORNATA IN WESTERN NEBRASKA.
Keetan Munsell (keetan.munsell@washburn.edu), Katie Brighton, Erica Guldner, and Benjamin Reed. Washburn University, Topeka, Kansas.

PRESENTATION OF THE MESHAKA AND TOLAND AWARDS
**KHS MEETING POSTER TITLES**

**Effect of invasive plant species on the prevalence of Batrachochytrium dendrobatis on salamanders in Ozark riparian areas.** Keith Jones (keith.jones@mcdonald1r1.net), Roman Goswick, Jonny Pollard, Emily Mann, Jesse Kinney, Makayla Miller, Alexis Ives, Alia Ramirez, Kara Montgomery, Aislinn Wilson, and Charity Mckinzie. McDonald County High School, Anderson, Missouri.

**Herpetological natural history notes from southern Kansas: Engaging undergraduate in research.** Joe W. Paysen, Mackenzie J. Smith, Carter Kruse, and Keith Geluso (gelusok1@unk.edu). 1Department of Biology, University of Nebraska at Kearney, Kearney, Nebraska; 2Turner Institute of Ecoagriculture, Bozeman, Montana.

**It’s turtles all the way down: Testing the effects of bait type, flotation color, and glowsticks on aquatic turtle capture rates.** Gabriel McClain (gmcclain001@mymail.mssu.edu), David Penning, Brenna Jones, Addison Wallace, and Jerod Thomas. Department of Biological Sciences, Missouri Southern State University, Joplin, Missouri.

**Marking efficacy and stress involved in image recognition vs. PIT tagging in a field setting.** Sydney Falcon (safalcon@shockers.wichita.edu), Jacob Kearns, and Thomas Luhring. Department of Biological Sciences, Wichita State University, Wichita, Kansas.

**Cover-board sampling: The effect of cover object material and size on the number of individuals captured.** Brenna Jones (jonesb019@mymail.mssu.edu), David Penning, Gabe McClain, Andrew Shipley, Jerod Thomas, Addison Wallace, Saige Haddock, and Johnathan Evenson. Missouri Southern State University, Joplin, Missouri.

**A digital photography identification system for Crawfish Frog individuals.** Kayleen Sugianto (jksugian@okstate.edu), Kaleb Banks, Owen Edwards, and Michael Reichert. Oklahoma State University, Stillwater, Oklahoma.

**Assessing the impacts of wildlife crossings within median barriers of I-49 in McDonald County, Missouri.** Johnathan Evenson, Gabe McClain, Brenna Jones, and David Penning (penning-d@mssu.edu). Missouri Southern State University, Joplin, Missouri.

**Endozoochoric dispersal in Ornate Box Turtles (Terrapene ornata) from Iowa.** Sangai Dukuly (sndukuly21@coe.edu), Victoria Amandianze, and Daniel Hughes. Department of Biology, Coe College, Cedar Rapids, Iowa.

**Count your blessings: A quantification of constriction mechanisms in snake diversity.** Maya Greenquist (mayagreenquist12@gmail.com), David Penning, Jillian Hackney, and Gabe McClain. Department of Biology and Environmental Health, Missouri Southern State University, Joplin, Missouri.

**Factors affecting thermoregulation in Ornate Box Turtles from Iowa.** Megan L. Norris (mlnorris20@coe.edu), Benjamin M. Reed, and Daniel F. Hughes. 1Department of Biology, Coe College, Cedar Rapids, Iowa; 2Department of Biology, Washburn University, Topeka, Kansas.

**Take only vouchers, leave only footprints: “County Recording” clarifies distributions of Oklahoma herpetofauna.** Neil R. Balchan (neil.balchan@okstate.edu), Owen M. Edwards, Kaleb M. Banks, and Jesse J. Whitlock. 1Department of Integrative Biology, Oklahoma State University, Stillwater, Oklahoma; 2Department of Biology, University of Central Oklahoma, Edmond, Oklahoma.

**Adaptive response or plasticity? Assessing temperature tolerance in a widespread introduced gecko, Hemidactylus turcicus.** Desi M. Joseph (desi.wilson@okstate.edu), Samuel R. Wilson, and Guinevere O.U. Wogan. Integrative Biology Department, Oklahoma State University, Stillwater, Oklahoma.

**Want to eat a 50-pound cheeseburger? Using snakes in digestive physiology to understand diabetes.** Isra Z. Khan (khani001@mymail.mssu.edu) and David A. Penning. Missouri Southern State University, Joplin, Missouri.

**Real Life Frogger: Assessing the impacts of wildlife crossings within median barriers of I-49 in McDonald County, Missouri.** Johnathan Evenson, Gabe McClain, Brenna Jones, and David Penning (davidapenning@gmail.com). Missouri Southern State University, Joplin, Missouri.

**Temporal integration of acoustic signals in male Cope’s Gray Treefrogs.** Kennedy Funa (kennedy.funa@okstate.edu), Jain Krishnan, and Michael Riechert. Oklahoma State University, Stillwater, Oklahoma.

**Field and lab behavioral consistencies and mirror responses of Ornate Box Turtles (Terrapene ornata) in Nebraska.** Brianna Wilson (briannawilsonnn@gmail.com), Samantha Kim, Abigail Trautman, Katie Brighton, Erica Guldner, and Benjamin Reed. Washburn University, Topeka, Kansas.

**Responses of Prairie Turtle Assemblages to Droughts.** Jacob Anderson (jacobbrettanderson220@gmail.com), Thomas Luhring, David Bohorquez, Jacob Kearns, Sydney Falcon, and Shania Burkhead-Harris. Wichita State University, Wichita, Kansas.

**Examining factors that may affect the nesting order of Ornate Box Turtles (Terrapene ornata) in western Nebraska.** Erica Guldner (ericaguldner@washburn.edu), Katie Brighton, Keetan Munsell, Zoe Edlund, Samantha Kim, Timothy Speer, Abigail Trautman, Patience Wagner, Brianna Wilson, and Benjamin Reed. Washburn University, Topeka, Kansas.
Behavior responses of Ornate Box Turtles (Terrapene ornata) to introduced goat grazing. **Kaitlyn Scott** (kaitlyn.scott@washburn.edu), Layne Hodge, Kaylyn Hobelman, and Benjamin Reed. Washburn University, Topeka, Kansas.

Testing the effectiveness of glowsticks for increasing amphibian captures. **Cameron Kolthoff** (chkolthoff20@coe.edu), Aubree L. Cota, Kennedy Frias, Marcos Villanueva, and Daniel F. Hughes. Coe College, Cedar Rapids, Iowa.

Comparative analyses of microhabitat associations across populations in Terrapene ornata. **Mark Lewis** (mark.lewis1@washburn.edu), Timothy Speer, Ruthline Pierre, Chris Schenk, Mogli Issa-Prout, TaRon Graham, Cheyenne Kearn, Katie Brightton, Zoe Edlund, Eric Guldner, Samantha Kim, Keetan Munsell, Abigail Trautman, Patience Wagner, and Brianna Wilson. Washburn University, Topeka, Kansas.

Movement ecology of Ornate Box Turtles (Terrapene ornata) across different life stages in western Nebraska. **Timothy Speer** (timothy.speer@washburn.edu), Katie Brightton, Zoe Edlund, Samantha Kim, Keetan Munsell, Abigail Trautman, Patience Wagner, Brianna Wilson, and Benjamin Reed. Washburn University, Topeka, Kansas.

An agricultural pond turtle assemblage in south-central Pennsylvania: The last stand of the Cheloniens? **Grace Cocanower** (gc4314@ship.edu) and Pablo R. Delis. Department of Biology, Shippensburg University, Shippensburg, Pennsylvania.

A Comparison of corticosterone levels across sex and age groups in Ornate Box Turtles (Terrapene ornata). **Samantha Kim** (samantha.kim@washburn.edu), Susan Bjerke, John Mullican, and Benjamin Reed. Washburn University, Topeka, Kansas.

Examing juvenile Ornate Box Turtle (Terrapene ornata) behavior types across populations. **Mary Grace Tyler** (marygrace.tyler@washburn.edu), **Samantha O-Hara-Arrington**, **Carolyn Wilson**, **Abigail Trautman**, **Katie Brightton**, **Samantha Kim**, **Erica Guldner**, and **Benjamin Reed**. Washburn University, Topeka, Kansas.

Relationship between resting metabolic rate (RMR) and calling behavior in Cope's Grey Treefrog (Hyla chrysoscelis). **Phoebe Will** (phwill@okstate.edu) and Michael Reichert. Oklahoma State University, Stillwater, Oklahoma.

Fire-induced mortalities of herpetofauna and other vertebrates in a grassland of northern Oklahoma. **Mackenzie J. Smith** (smithmackenziej@gmail.com), **Joseph W. Paysen**, **Carter Kruse**, and **Keith Geluso**. Department of Biology, University of Nebraska at Kearney, Kearney, Nebraska; **Turner Institute of Ecoagriculture**, Bozeman, Montana.

Protractor muscle diversity in reptiles and its significance for cranial kinesis. **Christopher Zobek** (czobek@gmail.com), **Conner D. Verhulst**, **Anmol Sethi**, **Alec Wilken**, and **Casey M. Holliday**. Pathology and Anatomical Sciences, University of Missouri, Columbia, Missouri; **Kansas City School of Medicine**, University of Missouri, Kansas City, Missouri; **Kansas City School of Dentistry**, University of Missouri, Kansas City, Missouri; Department of Organismal Biology and Anatomy, The University of Chicago, Chicago, Illinois.

Impacts of population on shell patterns of Ornate Box Turtles (Terrapene ornata). **Carolyn Wilson** (carolyn.wilson@washburn.edu) and Benjamin Reed. Washburn University, Topeka, Kansas.

Female responses to conspecific intra an inter-sexual playback signals in a Bornean frog. **Johana Goyes Vallejos** (goyes.johana@gmail.com). University of Missouri, Columbia, Missouri.

Rates of heating and cooling across latitudinally distributed Sceloporus consobrinus populations. Brandon Wolfsohn (bewolfsohn@unomaha.edu), **Tiffany R. Hedgahl**, Benjamin D. Haussmann, and Travis R. Robbins. University of Nebraska at Omaha, Omaha, Nebraska.

Life under the leaves: Activity patterns of Dwarf Geckos revealed by substrate-borne vibrations. **Christian A. Perez-Martinez** (perez.christian.alexandros@gmail.com), Jack Ogilvy, Marissa LaMartina, and Manuel Leal; University of Missouri, Columbia, Missouri.

Countergradient variation in metabolic rates associated with digestion in a Sceloporus lizard. **Benjamin D. Haussmann** (bhaussmann@unomaha.edu), Brandon Wolfshon, Tiffany R. Hedgahl, and Travis R. Robbins. University of Nebraska at Omaha, Omaha, Nebraska.

The Bunker Resurvey Project: A century of environmental change in Kansas. **Ana Motta** (apmotta@ku.edu) and Rafe Brown. Biodiversity Institute, The University of Kansas, Lawrence, Kansas.

Looking under the hood: Using diceCT to characterize sensory structures in lizards. **Marissa LaMartina** (marissalamartina@gmail.com), Christian Perez-Martinez, and Manuel Leal. University of Missouri, Columbia, Missouri.

Using metal and plywood cover objects to assess snake and lizard habitat use within a 525-acre nature preserve in eastern Nebraska. **Tracy J Coleman** (tracycoleman@unomaha.edu). Glacier Creek Preserve, University of Nebraska at Omaha, Omaha, Nebraska.

Comparison of pull strength and latency to pull between two populations of Ornate Box Turtles. **Bryce Liedtke**, **Abby Trautman**, **Zach Davidson**, **Jade Vopat**, **Benjamin Reed**, **Tracy Wagner**, and **Paul Wagner** (paul.wagner@washburn.edu). Washburn University, Topeka, Kansas.

Life Underground: Elucidating the Metabolic Rates of Amphisbaena schmidtii. **Jack Ogilvy** (jaob86@mail.missouri.edu), Christian Perez, and Manuel Leal. University of Missouri, Columbia, Missouri.
Joe Collins arrived at KU in 1967 from Cincinnati, Ohio. Since Hobart M. Smith's second edition of his Handbook in 1956, no one in the state had focused on Kansas herpetology. Henry Fitch and a few of his students were doing ground-breaking research on individual species and whole local ecosystems in northeast Kansas, and a few state universities were contributing specimens to collections in conjunction with their herpetology courses. However, no one was putting this information together and directing future discovery.

In 1973, Joe was the impetus for forming the Kansas Herpetological Society, and in no small part why we’re together this weekend. The organization of the KHS was concomitant with the release of Joe’s 1974 Amphibians and Reptiles in Kansas. A pre-KHS planning committee was established, which in addition to Joe, included Stanley D. Roth, Al Kamb, Mary E. Dawson, Richard Plumlee, Phil Humphrey (then director of the KU Museum of Natural History), and Robert Sprackland. They brought their collective experience, vision, and direction, laying the foundation for the KHS as an academic and state-oriented society.


Officers elected that meeting were:

- **President**: Eric M. Rundquist
- **President-elect**: George Pisani
- **Treasurer**: Mary E. Dawson
- **Secretary**: Richard Lattis

*Joe was selected as the first Editor of the KHS publications the following week. At the time, the Editor was not a position on the Executive Council.*

The KHS published its membership list on 15 October 1974 in the *Kansas Herpetological Society Newsletter* (3):6-7. The following are the inaugural members of the Kansas Herpetological Society:

| Ray E. Ashton | Victor B. Eichler | Leslie Meredith |
| Ron Beuchot  | Henry S. Fitch    | Kirk Mullen     |
| Walter E. Boles | Virginia R. Fitch | William K. Mullen |
| David Bryant | Mike Gooch        | Richard Lardie  |
| Jan Caldwell | David Grow        | Rick Opheim     |
| Cornell Chivila | Chris Hedquist   | Chris Parsons   |
| Terry Callender | Tim Hickok       | Jan Perry       |
| Bob Clark    | Stephen Hoffman   | Marjorie Perry  |
| Gary K. Clarke | David Huyser     | George R. Pisani|
| Robert F. Clarke | James Irwin      | Dwight R. Platt |
| Mike Coker  | Kelly Irwin       | Richard Plumlee |
| Joseph T. Collins | Randall N. Johnson | Michael Plummer |
| Bruce Dawson | Al Kamb           | Michael Plummer |
| Mary E. Dawson | Richard Lattis   | Rebecca Prosser |
| Joseph R. Dinardo | Eugene Leon      | Stanley Roth    |
| Fred Dulin  | Charlotte Leviton | Gareth Rowell   |
| Theodore H. Eaton | David Lucas     | Eric M. Rundquist |
|                | Johnny Martinez   | Alan H. Savitzky|
|                |                    | Terry D. Schwaner |
|                |                    | James M. Shields |
|                |                    | Shelley Skie    |
|                |                    | Frank L. Slavens|
|                |                    | Don Soderburg   |
|                |                    | Robert Sprackland|
|                |                    | Kris Sperry     |
|                |                    | Christopher Starr|
|                |                    | Eddie Stegall   |
|                |                    | Edward H. Taylor |
|                |                    | Marc Thiry      |
|                |                    | George F. Toland|
|                |                    | Pennie von Achen|
|                |                    | Marc Voiles     |
|                |                    | Bernard Willard |
|                |                    | Paul M. Willis  |
|                |                    | Dennis W. Wilson|
|                |                    | John Wortman    |
Burge Union (B) & associated parking (BP) in surface lots 54, 72, 10 (free after 5pm and on weekends)

Dyche Hall (D) & associated parking (DP) in lots 10, 12, 13, 14, 15, 16 (free after 5pm and on weekends) and in the Mississippi St. Parking Garage (pay by hour)

Oread Hotel (O) & associated parking (OP) in surface lots 10, 12, 13, 14, 15, 16 (free after 5pm and on weekends) Mississippi St. Parking Garage (pay by hour 24/7) or Oread garage ($15/day)

Pay lots that charge by the hour or day 24/7