



“Aligning Conservation Goals”

2017 Annual Meeting

February 16 – 19

Ferncliff Camp and Conference Center

Little Rock, AR

SEPARC Meetings Code of Conduct

SEPARC is committed to providing a safe, productive and welcoming environment for all meeting participants. All participants including, but not limited to, attendees, speakers, volunteers, exhibitors, PARC staff, service providers and others are expected to abide by this SEPARC Meetings Code of Conduct. In generating this document to guide personal responsibility at our meetings we have relied heavily on the code of conduct used by the Ecological Society of America, based on Favaro et al. 2016.

Expected Behavior

- Treat all participants with respect and consideration, valuing a diversity of views and opinions.
- Be considerate, respectful, and collaborative.
- Communicate openly with respect for others, critiquing ideas rather than individuals.
- Avoid personal attacks directed toward others.
- Be mindful of your surroundings and of your fellow participants. Alert SEPARC Co-Chairs if you notice a dangerous situation or someone in distress.
- Respect the rules, policies, and property of the meeting venue.

Unacceptable Behavior

- Harassment, intimidation or discrimination in any form will not be tolerated.
- Physical or verbal abuse.
- Disruption of talks at oral or poster sessions.
- Examples of unacceptable behavior include, but are not limited to, verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion, national origin, inappropriate use of nudity and/or sexual images in public spaces or in presentations, threatening or stalking.

Consequences

- Anyone requested to stop unacceptable behavior is expected to comply immediately.
- SEPARC Co-chairs or security may take any action deemed necessary and appropriate, including immediate removal from the meeting without warning or refund.
- SEPARC reserves the right to prohibit attendance at any future meeting.

Reporting Unacceptable Behavior

- If you are the subject of unacceptable behavior or have witnessed any such behavior, please immediately notify a SEPARC Co-Chair.
- Notification should be done by contacting a SEPARC Co-chair in person or you may email your concern to separc@separc.org
- Anyone experiencing or witnessing behavior that constitutes an immediate or serious threat to public safety is advised to contact venue security and/or local police.

Favaro et al. 2016. Your science conference should have a code of conduct. *Frontiers in Marine Science* 3:103.



BEER OF ARKANSAS



MEETING AGENDA, SEPARC 2017

THURSDAY, FEBRUARY 16

8:00am Longleaf ARC project workshop (8 hours)

4:00pm Registration and Check in for lodging at Ferncliff

6:00pm Poster Session and Social (heavy hors d'oeuvres and beverages provided).

Silent Auction Items Sign In! Photo Contest Setup! Poster Set-up!

FRIDAY, FEBRUARY 17

7:30am Continental Breakfast (provided by SEPARC)

8:15am Welcome, SEPARC Co-chairs. *Andrea Drayer and Andrew Cantrell*

8:30am Keynote speaker: Up Close with Alligator Snapping Turtles: My Extraordinary 21-Year Adventure with Dark Water Denizens - *Stan Trauth, Ph.D., Arkansas State University*

SESSION 1 – Breaking Down Barriers Conservation through Education moderator - Andrew Cantrell

9:15 am The Clinch River Environmental Studies Organization (CRESO) A Conservation Story about Middle and High School Students and Teachers Trying to Make a Difference in Their Community. *John Byrd, The Clinch River Environmental Studies Organization*

9:30 am Snakecam – The Power Of Video In Snake Conservation And Changing Human Perceptions About Snakes. *Cameron Young, Center for Snake Conservation*

9:45 am Leaping Boundaries, Trapping Trust, And Soothing Scales. *Ashley Lavere, Box Turtle Connection, The University of North Carolina at Greensboro*

10:00am The Value of Citizen-Science and the Initiation of the “Herps of Arkansas Project” on iNaturalist. *Luke Pearson, University of Southern Mississippi*

10:15am Spread the Love - Impacts of Educational Outreach Programs, Evaluation, and using Animals in Teaching. *Milton G. Newberry, III, University of Georgia*

10:30am **BREAK (15 min)**

SESSION 2 – Habitat Restoration and Management of the Diverse Ecosystems of Arkansas

moderator - Alyssa Bangs

10:45am Herps of Arkansas: Lost, Found, Rediscovered, and Undiscovered, *Kory Roberts, Rogers High School, Herps of Arkansas webmaster*

11:00am Effects of Non-Native Vegetation on Larval Development of a Prairie Specialist, the Crawfish Frog (*Lithobates areolatus*), *Chelsea Kross, University of Arkansas*

- 11:15am** Conservation And Glade Habitat Restoration Efforts for the Eastern Collared Lizard (*Crotaphytus collaris*) in Arkansas, *Casey Brewster, University of Arkansas*
- 11:30am** Effects of Timber Harvest on the Ouachita Dusky Salamander (*Desmognathus brimleyorum*), *Kelly Halloran, University of Arkansas*
- 11:45am** Prevalence of Ranavirus and Bd in Hellbender Populations in Tennessee and Arkansas, *R.H. Hardman, Center for Wildlife Health, University of Tennessee*
- 12:00** **LUNCH (Provided by SEPARC)**

SESSION 3 –Genetics/eDNA moderator – Brian Folt

- 1:00pm** Filling Knowledge Gaps In Hellbender Distribution Through Broad-Scale Environmental DNA (eDNA) Surveys, *Kimberly Terrell, Memphis Zoo*
- 1:15pm** Disentangling Eurycea Evolution With Genomic Data, *Todd Pierson, University of Tennessee*
- 1:30pm** The Use Of Species Distribution Models (SDMS) And Environmental DNA To Evaluate The Distribution Of The Eastern Hellbender (*Cryptobranchus alleganiensis alleganiensis*) In Tennessee, U.S.A., *Jeronimo Gomes Da Silva Neto, Tennessee State University*
- 1:45pm** Population Genetics Of The Razorback Musk Turtle (*Sternotherus carinatus*) And The Implications For Its Conservation, *Grover J. Brown, The University of Southern Mississippi*
- 2:00pm** Conservation Genetics Of The Pigeon Mountain Salamander: A Georgia Endemic Species With A Narrow Distribution, *Kate C. Donlon, The Ohio State University*
- 2:15pm** **Break (15 Min)**

SESSION 4 General Talks moderator – Andrea Drayer

- 2:30pm** Using Farm Bill Programs to Advance Reptile and Amphibian Conservation on Agricultural Lands in the Southeast, *Kat Diersen, Defenders of Wildlife*
- 2:45pm** Using Law And Creative Advocacy To Protect The Southeast's Amphibians And Reptiles, *Elise Bennett, Center for Biological Diversity*
- 3:00pm** Response Of Reptile And Amphibian Communities To Prescribed Fire In Oak/Hickory Forests, *Steven J. Hromada, Austin Peay State University*
- 3:15pm** Traffic Noise- The Dangers Posed To Energetic Costs Of Calling And Stress In *Hyla chrysoscelis* (Anura: Hylidae), *Melanie Partin, Southeastern Louisiana University*
- 3:30pm** **Group Photo/Break**

SESSION 5 – Speed Talks (5 minutes) moderator – Keri Landry

- 3:55pm** Conservation Hero Award/ Election of New Junior Co-Chair and New Steering Committee Members
- 4:15pm** Distribution And Occupancy Of Green Salamanders In South Carolina, *Jillian Newman, Clemson University*
- 4:20pm** Effects Of Short-Term Climate Variation On A Long-Lived Frog, *Mike Lannoo, Indiana University School of Medicine–Terre Haute*
- 4:25pm** Understanding The Sources Of Sperm Cryo-Damage For Effective Genome Banking In The Houston Toad (*Anaxyrus houstonensis*), *Kristin Hinkson, Memphis Zoo*
- 4:30pm** Herpetofauna Occupancy Of Tidal Swamps, *Sidney T. Godfrey, Clemson University*
- 4:35pm** Development Of An eDNA Protocol to Detect And Quantify Streamside Salamanders (*Ambystoma barbouri*) In Low-Order Streams Of Middle Tennessee, *Nicole Witzel, Tennessee State University*
- 4:40pm** Impacts Of Oak Regeneration Silviculture Treatments On Amphibian Breeding In Southern Tennessee, *Lacy E. Rucker, Alabama A&M University*
- 4:45pm** Ecological Observations Of The Ouachita Streambed Salamander *Eurycea subfluvicola*, *Kelly J. Irwin, Arkansas Game & Fish Commission*
- 4:50pm** Post-Partum Dispersal And Habitat Use Of Neonatal Copperheads (Crotalinae; *Agkistrodon*) In A Managed Southeastern Forest, *Iwo P. Gross, Alabama A&M University*

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- 5:15pm** **Task Teams & Discussion Groups meet:**
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|------------------------------|------------------------------|
| Diseases/Pathogens/Parasites | Education and Outreach |
| Hellbender Working Group | Gopher/Crawfish Frog Complex |
| Reintroduction/Translocation | Roads Task Force |

- 6:30pm** **Dinner** (provided by SEPARC)
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SATURDAY, FEBRUARY 18

- 7:30 am**– Continental Breakfast (provided by SEPARC)

SESSION 6 – Disease/General moderator - Todd Pierson

- 8:30 am** Effects Of Larval Condition On Susceptibility Of Juvenile Amphibians To The Chytrid Fungus, *Batrachochytrium dendrobatidis*, *Angela K. Burrow, University of Georgia*
- 8:45 am** Endocrine Stress Response Of Eastern Fence Lizards To Fire-Altered Landscapes, *Mike Iacchetta, Austin Peay State University*
- 9:00 am** Evidence Of Genetic Recombination Resulting In Evolution Of A Highly Virulent Ranavirus Isolated

From An American Bullfrog (*Lithobates catesbeianus*) Farm In Georgia, *Matthew J. Gray, Center for Wildlife Health, University of Tennessee Institute of Agriculture*

- 9:15 am** Leaps And Bounds: Landscape Effects On Amphibian Abundance, Community Composition, and Gene Flow, *Cara L. McElroy, Jones Ecological Research Center*
- 9:30 am** Demography Of Hellbender Salamanders Along A Land Use Gradient, *Cathy M. Bodinof Jachowski, Clemson University*
- 9:45 am** The Effects Of Tidal Phase On Nesting Sea Turtle Emergences Among Three Beaches, *Breanna L. Ondich, Jekyll Island State Park Authority Georgia Sea Turtle Center*
- 10:00am** **BREAK (15 min)**

SESSION 7 General Talks moderator – Katie Parson

- 10:15am** Generating Robust Estimates Of Salamander Vital Rates To Model Population Responses To Climate Change, *Jillian Howard, University of Georgia*
- 10:30am** Demographic Trends And Nest Predation Of Declining North Carolina Bog Turtle Populations, *Michael D. Knoerr, Clemson University*
- 10:45am** Searching For The “Hidden” Salamander: The Distribution And Ecology Of *Desmognathus abditus*, *Saunders Drukker, University of the South*
- 11:00am** Why Did The Terrapin Cross The Road ... And What Can You Do About It? Advances In Road Management For Diamondback Terrapin Conservation, *John C. Maerz, University of Georgia*
- 11:15am** Freshwater Acidification In The Age Of A 400ppm Carbon Climate, *Matthew J. Charnock, Residential Office, freelance writer*

SESSION 8 Speed (5 minutes) moderator – Jeff Hall

- 11:30am** Environmental And Intrinsic Drivers Of Road-Crossing And Nesting Behaviors By Diamondback Terrapins (*Malaclemys terrapin*), *Carmen Candal, Georgia Sea Turtle Center, Jekyll Island State Park Authority*
- 11:35am** The Cutting Edge: An Erosion Study On Playa Tortuga (Ojochal, Costa Rica), *Ashley A. LaVere, Georgia Sea Turtle Center*
- 11:40am** Rock Iguana Conservation In The Dominican Republic: Current Status And The Next Step, *Christopher Pellecchia, University of Southern Mississippi*
- 11:45am** Surface Coal Mining Removes Preferred Hibernacula Habitat Of Timber Rattlesnakes In The Cumberland Plateau Of Kentucky, *Thomas Maignet, University of Kentucky*
- 11:50am** Lights On, Or Lights Off? Hotel Guests' Response To Passive Outreach Designed To Protect Nesting Sea Turtles, *Katie Mascovich, University of Georgia*

- 11:55am** Preliminary Data On Snake Fungal Disease In A Louisiana Snake Assemblage, *Brad M. Glorioso, U.S. Geological Survey, Wetland and Aquatic Research Center*
- 12:00pm** Reproductive Observations And Body Condition Assessments Of Coastal Rattlesnakes, *Katie M. Parson, Jekyll Island Authority, Georgia Sea Turtle Center*
- 12:05pm** Gopher Tortoise Translocation And Commensal Species Mitigation On A Heavy Mineral Mine Site, *Lance Paden, University of Georgia*
- 12:10pm** Blood Flukes (Digenea: Schistosomatoidea) Infecting Freshwater Turtles Of Alabama: New Species With New Host And Geographic Locality Records, *Jackson Roberts, Auburn University*
- 12:15 pm** Life In Skinny Water: Observations Of Juvenile Diamondback Terrapins (*Malaclemys terrapin*) Utilizing Shallow Water Habitats, *Will Selman, Millsaps College*
- 12:20 pm** Assessment of ATV Impacts on Softshell Turtle Nests, *Cody D. Godwin, Southeastern Louisiana University*
- 12:25 pm** "Land Sharing," A New Horizon For Conservationists And It's Effects On Biodiversity And Private Land Management, *Matthew J. Charnock, Residential Office, freelance writer*
- 12:30 pm** **LUNCH (Provided by SEPARC)**

WORKSHOPS:

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| A&R Education and Outreach | Round 1 |
| Disease – Snake Fungal Disease/BSAL | Snake Fungal Disease (Round 1) BSAL (Round 2) |

- 1:30-3:00pm** Workshops – ROUND 1
- 3:00 pm** BREAK (30 min)
- 3:30-5:00 pm** Workshops – ROUND 2
- 5:00-6:00 pm** Steering Committee and Officers meeting
- 6:00 pm** DINNER (provided by SEPARC)
- 8:30 pm** Photo Contest closes
- 9:00 pm** Silent Auction closes

SUNDAY, FEBRUARY 19:

- 8:00 am** Continental Breakfast (Provided by SEPARC)
- Field trips depart at 9:00AM