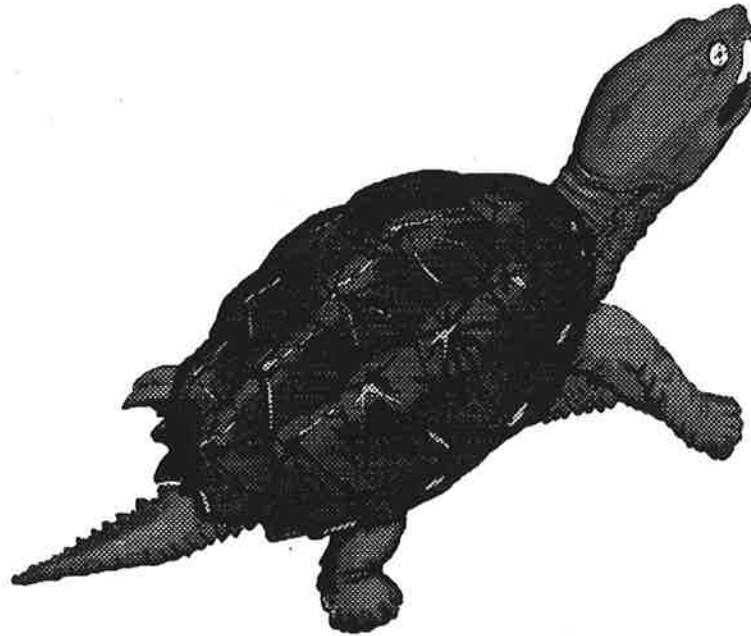


# PLEASE POST



1995

Second Annual

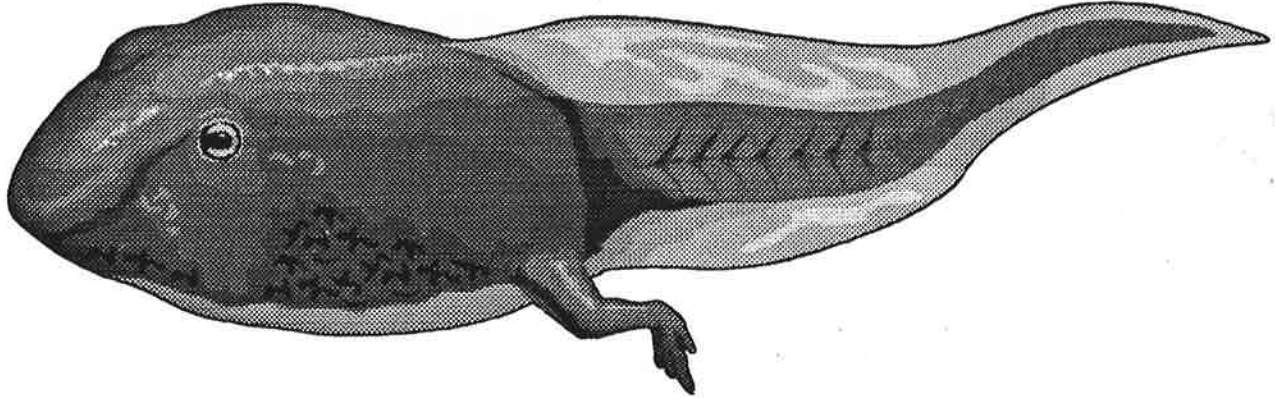
## Tennessee Herpetology Conference

October 5-7, 1995

Lincoln Memorial University



1995  
Second Annual  
Tennessee



HERPETOLOGY CONFERENCE

Sponsors: Tennessee Department of Environment & Conservation  
Tennessee Wildlife Resources Agency  
Cumberland Mountain Research Center

Dates: October 5-7, 1995, Thursday-Saturday

Meeting Place: Arnold Auditorium, Lincoln Museum  
Lincoln Memorial University, Harrogate, Tennessee

Focus: Tennessee Herpetofauna and Herpetological Research in Tennessee

Other Topics: Land Management for Amphibians & Reptiles  
Status of Tennessee Herpetofauna  
Conservation of Amphibian & Reptile Resources  
Herpetological Education

AGENDA

Thursday, October 5th

- 08:30 AM Coffee & Doughnuts provided by Cherokee National Forest
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- 09:00 AM Welcome: David Ian Withers, Tennessee Natural Heritage Program
- 09:15 AM Keynote Speaker: Dr. Joe Mitchell, University of Richmond.  
"Declining herpetofauna in the eastern U.S. and the role of the Declining Amphibians Population Task Force"

Start # 1-1

- 10:00 AM Jim Godwin, Alabama Natural Heritage Program.  
"Gyrinophilus palleucus surveys in northern Alabama"
- 10:20 AM Dr. Paul Cupp, Eastern Kentucky University.  
"Aspects of the ecology of the green salamander, *Aneides aeneus*"
- 10:40 AM Dr. Andrew N. Barrass, Tennessee Natural Heritage Program.  
"The effects of highway noise on the phonotactic and reproductive behavior of selected anurans: inferences for Tennessee populations"
- 
- 11:00 AM Pete Wyatt, Tennessee Wildlife Resources Agency.  
"Preparations for the Tennessee Amphibian Monitoring Program"
- 11:20 AM Greg McConnell, Emory & Henry College.  
"Life History of *Plethodon welleri* on Unaka Mountain"
- 11:40 AM Eric Fann, Grassmere Wildlife Park.  
"Distribution and habitats of Tennessee rattlesnakes"
- NOON Lunch on your own
- 1:40 P  
1:20 PM Dr. Floyd Scott, Austin Peay State University.  
"Progress report on the *Atlas of Tennessee Amphibians*"
- ~~1:40 PM~~ ~~Dr. Brian Miller, Middle Tennessee State University.~~  
~~"The Hellbender (*Cryptobranchus alleganiensis*) in Tennessee"~~
- 2:00 PM Gary Pritts, Middle Tennessee State University.  
"The Gray treefrog complex in the Central Basin of Middle Tennessee"
- 2:20 PM Chad Lewis & Dr. Ray Jordan, Tennessee Technological University.  
"Seasonal & elevational distribution of plethodontid salamanders on Unaka Mountain, Tennessee"
- 
- 2:40 PM Pete Wyatt, Tennessee Wildlife Resources Agency.  
"Teaming with Wildlife: the Fish & Wildlife Diversity Funding Initiative"
- 2:55 PM <sup>Bob Patton</sup>  
~~Lisa Powers~~, Tennessee Reptile & Amphibian Society.  
"An update on the Tennessee Reptile & Amphibian Bill"
- 3:00 PM Jim Herring & Joe McGuinness, U.S. Forest Service.  
"Herpetology and planning for the Cherokee National Forest"
- 3:20 PM Dr. Cindy L. Taylor, Austin Peay State University.  
"Oral disc kinematics of rheophilic and lentic anuran tadpoles"
- 3:40 PM Alan Peterson, Tennessee Wildlife Resources Agency.  
"New occurrences of the barking treefrog (*Hyla gratiosa*) in West Tennessee"

End #1-1

Start #1-2

Start #1-2



Start #1-3

End #1-3

3:50 PM Break

# 1-4  
4:00 PM Panel Discussion moderated by Dr. Brian Miller, MTSU:  
Topic: "Herpetological research needs in Tennessee"

Joe McGuiness, Cherokee National Forest  
David Campbell, Tennessee Nature Conservancy  
Dr. Arthur C. Echternacht, University of Tennessee-Knoxville  
Dr. Floyd Scott, Austin Peay State University

1-5  
5:00 PM Auction to benefit the *Atlas of Tennessee Amphibians*.

6:30 PM Plethodon Picnic at Democrat Hollow hosted by CMRC.

Friday, October 6

08:30 AM Coffee & Doughnuts provided by CMRC, TWRA & TDEC

2-1  
09:00 AM Mason Sinclair, Metro Nashville Water Services.  
"An historical perspective on Tennessee herpetology"

09:20 AM Dr. Arthur C. Echternacht, University of Tennessee at Knoxville.  
"Green anoles in East Tennessee: Tropical visitors in a strange land"

09:40 AM John Koons, Jackson State Community College.  
"Movements of native & introduced alligator snapping turtles  
(*Macrolemys temminckii*) in Kentucky Lake, TN"

End of 1  
10:00 AM Dr. Wayne Van Devender, Appalachian State University.  
"Local and annual variation in growth rates of larval red salamanders,  
*Pseudotriton ruber*"

Start 2-2  
10:20 AM Representative of UT-Knoxville Student Chapter of the Wildlife Society.  
"Report on the first year's activity of a breeding frog survey"

10:40 AM Dr. William K. Hayes, Southern College.  
"The fatal bite: How snakes use their venom"

~~11:00 AM Dr. David Collins, Tennessee Aquarium.  
"Reelfoot Lake turtle study: A third year update"~~

~~11:20 AM Kevin Hollingsworth, Tennessee Aquarium.  
"The Tennessee Aquarium's role in conservation of the Tennessee cave  
salamander, *Gyrinophilus palleucus*"~~

11:40 AM Bob & Andrea English, LEAPS.  
"Tennessee's frogs & toads throughout the year: A LEAPS sampler"

NOON Lunch on your own

- 1:20 PM** Greg and Lynnette Sievert, University of Tennessee at Knoxville.  
"Turtles of Tennessee"
- 1:40 PM** Dr. William Gutzke, University of Memphis.  
"Ecological consequences of environmental effects on embryonic development"
- 2:00 PM** Carol Britson, University of Memphis.  
"Aposematic coloration in hatchling turtles"
- 2:20 PM** Lynda Miller, University of Memphis.  
"Ophiophagic defense response in crotaline snakes"
- 2:40 PM** Keith Langdon, Great Smoky Mountains National Park.  
"Issues in Herpetology in GSMNP"
- 3:00 PM** Christina Morgan, East Tennessee State University.  
"Ecomorphology of head shape in a salamander community"
- 3:20 PM** Jeff Motychak, East Tennessee State University.  
"Altitudinal variation in salamander morphology, color pattern and genetics"
- 3:40 PM** Johnny Arnett, Cincinnati Zoo.  
"Captive breeding of the Tennessee cave salamander (*Gyrinophilus palleucus*) at the Cincinnati Zoo"
- 4:00 PM** Panel Discussion moderated by Pete Wyatt, TWRA:  
Topics: "Conservation of native herpetofauna in Tennessee"  
"Formation of a herpetofauna conservation advisory group"
- Dr. Ray Jordan, Tennessee Technological University  
Lisa Powers, Tennessee Reptile & Amphibian Society  
Greg Sievert, University of Tennessee-Knoxville  
Walter Cook, Tennessee Wildlife Resources Agency  
Dr. Bern Tryon, Knoxville Zoo
- 6:00 PM** Open House at CMRC

**Saturday, October 7**

- 10:00 AM** Field trips guided by Dr. Ron Caldwell:  
Shillalah Creek and the Hensley Settlement, Cumberland Gap National Historic Park.
- Shillalah Creek is a local favorite for salamander viewing in the tri-state area, including such species as *Desmognathus walteri*, *D. monticola*, *D. fuscus*, *D. ochrophaeus*, *Plethodon glutinosus*, *P. kentucki*, *P. richmondi*, *Pseudotriton ruber*, and *Gyrinophilus porphyriticus duryi*. Bring your camera and bag lunch and join our host for an outing in the Cumberland Mountains!

End 2-2

Start 2-3

End 2-3

Start 2-4

# Second Annual Tennessee Herpetology Conference

## \*\*\*Meeting Details\*\*\*

### Dates

October 5-7, 1995, Thursday-Saturday

### Conference Objectives

To foster an understanding of the past, present and future of Tennessee herpetology and herpetofauna, to encourage communication between persons researching and managing our amphibians and reptiles, and to help identify needs and goals to benefit the conservation of our herpetofauna and their habitats.

### Who Should Attend

Attendees should include persons with an interest in Tennessee herpetology and herpetofauna, including academicians, students, resource managers and the general public. Everyone is encouraged to attend.

### Registration

All registrants, including speakers, are asked for \$10.00 to cover the cost of the meeting, which will be collected at the door. Registration fees for students are waived.

### Lodging

Lodging is available from the Holiday Inn in Harrogate ((615) 869-3631) and the Best Western in nearby Middlesboro, KY ((606) 248-5630). Daily rates are noted below; please mention that you will be attending the "Tennessee Herpetology Conference" at Lincoln Memorial University. All rooms contain two double beds. As this is a busy time in the area, you are encouraged to share rooms whenever possible. David Withers (TN Natural Heritage) will keep list of persons willing to accept roommates. Please make your reservations at the Holiday Inn or Best Western by September 30!

#### Holiday Inn

\$40.00 +tax (Government rate- ID required)  
\$49.00 +tax (School rate- for events at LMU)  
\*\*\* Up to 4 people per room at these rates \*\*\*

#### Best Western

\$35.95 +tax (corporate/gov't rate)- 2 people  
\$43.95 +tax (corporate/gov't rate)- 4 people

Other accommodations are available in the Harrogate/Middlesboro area, including:

Boone Trail Motel, Middlesboro	(606) 248-1340	Coachman Motel, Middlesboro	(606) 248-2830
Parkview Motel, Middlesboro	(606) 248-4516	The Deltra Motel, Pineville, KY	(606) 337-2354
The Ridge Runner Bed & Breakfast, Middlesboro, KY	(606) 248-4299		
Pine Mountain State Resort Park, Pineville, KY	(800) 325-1712, (606) 337-3066		

Camping is available at the following locations:

Big Ridge State Park, Maynardville, TN	(615) 992-5523
Pine Mountain State Park, Pineville, KY	(606) 337-3066

\*\*\* Some carpeted floor space at the CMRC may be available free of charge for students. Contact Dr. Ron Caldwell for further information @ (615) 869-6227. Plan to bring your own sleeping bag. \*\*\*

**Food**

Coffee and doughnuts will be provided Thursday and Friday mornings in the main auditorium. Breakfast on Saturday and lunches each day will be on your own. A "Plethodon Picnic" (Barbecue) will be hosted by CMRC at Democrat Hollow on Thursday evening. This is included with regular registration or may be purchased alone for \$7.50. Cost for students is \$2.50. Fees for students and those wishing to attend the picnic only will be collected at the event.

**Auction**

An auction to benefit the publication of Drs. Floyd Scott's and Bill Redmond's *Atlas of Tennessee Amphibians* will be held Thursday, October 5 at 5:00 PM. Please bring your herpetology related items (shirts, field guides, posters, etc.) for donation to the event. Auctioneer Pete Wyatt will be collecting donated items during the day Thursday.

**Book Signing**

As his schedule permits, Dr. Joe Mitchell will be available to sign copies of his new book, *The Reptiles of Virginia*, before and after the presentations and during breaks. The sponsors will attempt to have several copies on hand and available for purchase, however we recommend you bring your own copy if you already have one. Call David Withers for additional information.

Campus maps will be provided at the conference to help you navigate to the CMRC and Democrat Hollow.

**Sponsors:** Tennessee Department of Environment & Conservation (Natural Heritage Program)  
Tennessee Wildlife Resources Agency  
Cumberland Mountain Research Center- Lincoln Memorial University

**Additional Information**

Please phone David Withers at (615) 532-0441 for additional information about the conference.

**PRE-REGISTRATION**

All attendees are advised to pre-register so that we may better prepare the meeting facility and Thursday picnic. Please complete this form and mail to the address below as soon as possible.

Name	_____	Regular	\$10.00	<b>Please circle all that apply and show total below.</b>
Affiliation	_____	Student	<i>waived</i>	
Address	_____			
	_____	Picnic only	\$7.50	<input type="checkbox"/> Saturday field trip?
	_____	Student picnic	\$2.50	<input type="checkbox"/> I am willing to accept a roommate
Telephone	_____			
FAX	_____	Total:	_____	
E-Mail	_____	(payment accepted at conference; send no money)		

Send completed form to: David Ian Withers  
Division of Natural Heritage  
Tennessee Department of Environment & Conservation  
8th Floor, L&C Tower  
401 Church Street  
Nashville, TN 37243-0447