

PROCEEDINGS OF THE OKLAHOMA ACADEMY OF SCIENCE

Volume 105  
CONTENTS

REPORTS

*A. Botany*

**1 THE QUERCUS UNDULATA  
TORREY COMPLEX IN  
OKLAHOMA**

*Paul M Thomson*

**11 Aberrant characters in Chinquapin  
Oak populations, *Quercus  
muehlenbergii* Engelmann, of the  
Four Canyon Nature Preserve, Ellis  
County, Oklahoma suggest a time of  
ancient introgression by Bur Oak,  
*Quercus macrocarpa* Michaux**

*Paul M Thomson*

*B. Applied Ecology & Conservation*

**25 New County Records of Mammals  
from Oklahoma**

*Lynda Samanie Loucks, J.T. Warr,  
Nadiya Cavallo, Lillian R. Gunelson,  
Damon Corvelo, and Michelle L. Haynie*

**32 Trapping Turtles or Trapping  
Errors? A case study in Alligator  
Snapping Turtles**

*Kameron C. Voves, Samantha L.  
Hannabass, and Day B. Ligon*

**40 Mechanistic Insight into Gape  
Limitation and Growth-mediated  
Competition Among Moronid**

*Douglas L. Zentner, Austin D. Griffin,  
Jory B. Bartnicki, Michael J. Porta, and  
Richard A. Snow*

**58 *Neoterranova caballaeroi*  
(Nematoda: Anisakidae) from  
Northern Cottonmouth, *Agkistrodon***

***piscivorus* (Reptilia: Ophidia:  
Viperidae) in Arkansas**

*Chris T. McAllister and Michelle J.  
Mejia*

**62 Correction: *Kinosternon  
subrubrum hippocrepis* not  
*Kinosternon flavescens* from Latimer  
County, Oklahoma**

*Chris T. McAllister*

**63 Ectoparasites of the Woodchuck,  
*Marmota monax* (Rodentia:  
Sciuridae), from Arkansas, with a  
Summary of Ectoparasite Records  
from *M. monax***

*Chris T. McAllister, Lance A. Durden,  
Jeffrey G. Pittman, and Henry W.  
Robison*

**74 Helminth Parasites (Cestoda:  
Nematoda) of Baird's Pocket  
Gopher, *Geomys breviceps* (Rodentia:  
Geomyidae) from Northeastern Texas**

*Chris T. McAllister and Isabel Tresidder*

**79 New Host and Distributional  
Records for Hematozoan and  
Helminth Parasites of Midland  
Watersnake, *Nerodia sipedon pleuralis*  
(Ophidia: Natricidae), from Western  
Arkansas**

*Chris T. McAllister, Charles R. Bursey,  
Gracie J. Gray, Stephanie Hernandez,  
and Henry W. Robison*

**86 External Morphology of the  
Tubercles on the Ears of the Brazilian  
Free-tailed Bat, *Tadarida brasiliensis***

*William Caire, Lynda Samanie Loucks,  
and Melville B. Vaughan*

***C. Science Education***

**96 Writing Scaffolding Introduction  
and Effectiveness Across Chemistry  
Curriculum**

*Stephanie L. Skiles-Jones, Eric S.  
Eitrheim, Cheryl Frech, Luis D. Montes,  
Tracy Morris, Dallas G. New and  
Amanda L. Waters*

***D. Chemistry***

**104 Analytical and Numerical  
Solutions of the Relativistic  
Schrödinger Differential Wave  
Equation**

*James H. McNeill and James E. Bidlack*

**132 2025 Technical Meeting Abstracts**

**ACADEMIC AFFAIRS**

**145 Officers and Section Chairs  
(2025)**

**146 Financial Statements (2024)**

**148 Membership Application Form**

**149 Editorial Policies and Practices**

**150 Instructions for Authors**