

Journal of the Arkansas Academy of Science

Volume 52

Article 2

1998

Table of Contents

Academy Editors

Follow this and additional works at: <https://scholarworks.uark.edu/jaas>

Recommended Citation

Editors, Academy (1998) "Table of Contents," *Journal of the Arkansas Academy of Science*: Vol. 52, Article 2.

Available at: <https://scholarworks.uark.edu/jaas/vol52/iss1/2>

This article is available for use under the Creative Commons license: Attribution-NoDerivatives 4.0 International (CC BY-ND 4.0). Users are able to read, download, copy, print, distribute, search, link to the full texts of these articles, or use them for any other lawful purpose, without asking prior permission from the publisher or the author.

This Front Matter is brought to you for free and open access by ScholarWorks@UARK. It has been accepted for inclusion in *Journal of the Arkansas Academy of Science* by an authorized editor of ScholarWorks@UARK. For more information, please contact scholar@uark.edu, uarepos@uark.edu.



TABLE OF CONTENTS

Secretary's Report and Financial Statement2
 Program.....11

FEATURE ARTICLES

ANTHONY BEDNAR, ERIC BARNETT, CANDACE LINDSEY, TREY HEATH, PHILIP WILLIAMS, M. DRAGANJAC and SCOTT W. REEVE: An Infrared Diode Laser Spectrometer for the Study of Jet Cooled Gases17

WILFRED J. BRAITHWAITE and EDWIN S. BRAITHWAITE: Continuous Monitoring of STAR's Main Time Projection Chamber28

MICHAEL E. CARTWRIGHT, STANLEY E. TRAUTH and J. D. WILHIDE: Wood Frog (*Rana sylvatica*) Use of Wildlife Ponds in Northcentral Arkansas32

J. L. FARRIS, J. T. KNIGHT, C.D. MILAM, F. BUZEN and J. F. NIX: In-Stream Monitoring of Sediments and Water in the Lower Ouachita River for Site Impact to Aquatic Biota35

CHERYL L. FOSSLER, FRANK L. SETLIFF, and ALI U. SHAIKH: Analysis of a Mixture of Several Dihalonicotinic Acids by Gas Chromatography and Gas Chromatography-Mass Spectrometry46

THOMAS L. FOTI and GEORGE A. BUKENHOFER: A Description of the Sections and Subsections of the Interior Highlands of Arkansas and Oklahoma53

MOSTAFA HEMMATI, MATHUES SHANE DOSS, and ERIC L. GEORGE: Speed Cut-off Point for Antiforce Waves63

SUE ELLEN McCLOSKEY, WILLIAM C. HALL, and WILFRED J. BRAITHWAITE: Applying Binomial Statistics to Weighted Monte Carlo67

DOUGLAS JAMES: Quantifying Community Separation and Increase in Number of Avian Species with Corresponding Increase in Habitat Complexity, an African Example73

KRISTY L. JONES and JUNEANN W. MURPHY: *In Vitro* Growth Characteristics of Two *Cryptococcus neoformans* Isolates.....80

ROBIN G. ROGGIO, K. F. STEELE, P. F. VENDRELL and M. A. NELSON: Effects of Agricultural Practices on Nutrient Concentrations and Loads in Two Small Watersheds, Northwestern Arkansas85

DAVID A. SAUGEY, ROBIN L. VAUGHN, BETTY G. CRUMP, and GARY A. HEIDT: Notes on the Natural History of *Lasiurus borealis* in Arkansas.....92

STARIA S. VANDERPOOL and E. LEON RICHARDS: A Floristic Inventory of Three Bogs on Crowley's Ridge in Northeast Arkansas99

J. D. WILHIDE, MICHAEL J. HARVEY, V. RICK McDANIEL and VERNON E. HOFFMAN: Highland Pond Utilization by Bats in the Ozark National Forest, Arkansas110

J. D. WILHIDE, V. RICK McDANIEL, MICHAEL J. HARVEY and DANIEL R. WHITE: Telemetric Observations of Foraging Ozark Big-Eared Bats in Arkansas.....113

PHILIP WILLIAMS, ANTHONY BEDNAR, ERIC BARNETT, and SCOTT W. REEVE: Using LabVIEW to Synchronize an Infrared Diode Laser Spectrometer with a Pulsed Supersonic Jet Expansion.....117

GENERAL NOTES

BUTCH E. HAMLETT, ANDY G. STRECKER, and STANLEY E. TRAUTH: Caudal Courtship Glands in the Cave Salamander, *Eurycea lucifuga* (Caudata: Plethodontidae).....124

THOMAS A. NELSON and DONALD A. PHILLIPS: Nutritional Condition and Reproduction of Deer at Fort Chaffee, Arkansas.....129

SHELLEY PFITZNER, DAVID H. JAMIESON and LARRY A. OLSON.: The Colonization of an Ozark Mountain City by the Asian Tiger Mosquito (*Aedes albopictus*)136

FRANK L. SETLIFF and LESLIE B. COOP: The Preparation of Methyl 5-Chloro-6-Fluoronicotinate by Fluoride-Chloride Exchange138

J. D. WILHIDE, BRADY BAKER and DAVID A. SAUGEY: Arkansas Range Extension of the Seminole Bat (*Lasiurus seminolus*).....140

THEO WITSELL and WILLIAM M. SHEPHERD: Rediscovery of *Marsilea vestita* subsp. *vestita* in Pulaski County, Arkansas After 162 Years142

main
 Q
 11
 .A78
 v. 52
 1998