

JAMES A. HUGGINS

Union University
Department of Biology
1050 Union University Drive
Jackson, TN 38305
731-661-5144

CURRENT OR RECENT POSITIONS HELD:

University Professor, Department of Biology
Director, Wildlife Rehabilitation Program
Faculty manager for Union University Bequeathment Program
Pastor, Unity Baptist Church, Jacks Creek, TN
Past Director, Hammons Center for Scientific Studies (2002-2008)
Former Chair, Department of Biology (1997-2006)
Phone: 731-661-5144

EDUCATION:

University of Memphis:	Ph.D. (biology)	1985
Arkansas State University:	MS (biology)	1977
Arkansas State University:	BSA (agricultural animal science)	1975

Additional Studies:

University of Tennessee, Memphis	, 9 hrs
Mid-America Seminary	, 6 hrs
University of Memphis... ABD for an EdD in Leadership of Higher Education,	30+ hrs

EXPERIENCE:

JAN 1973 - JAN 1975

Supported my family & worked my way through college as an assembly line worker, waste water treatment operator

JAN 1975 - MAY 1976

Lab instructor for General Zoology I, II & General Botany, Arkansas State Univ.

SEPT 1977 - SEPT 1979

Lab instructor for Human Anatomy & Physiology (began coordinating the efforts of the dozen or so assistants, 1978), Comparative Animal Physiology, curatorial lab assistant mammal collections, U of M

SEPT 1979 - DEC 1980

Human Anatomy & Physiology Lecturer, U of M

JAN 1981 - DEC 1981

Senior Science Coordinator for a federally funded program at Mississippi Industrial College attempting to move black rural dropouts through the GED and into higher education

AUG 1981 - AUG 1982

Instructor (faculty) & course coordinator for Human Anatomy & Physiology (while working at Mississippi Industrial), U of M

SEPT 1982 - AUG 1982

Assistant & Associate Professor at Shelby State Community College. Taught labs & lectures for anatomy & physiology, biology, life science, microbiology

AUG 1987 - AUG 1995

Tenure track appointment as Associate Professor to the BMH campus of Union University. Taught: Human Anatomy & Physiology, Bacteriology & Microbiology. I developed & taught PATHOPHYSIOLOGY & HUMAN GROSS ANATOMY

AUG 1989- - AUG 1995

Chair, Division of Sciences (housing biology, business, chemistry, computer science, math, nutrition, physical education & psychology)

AUG 1995 – 2008

Professor of Biology: responsibilities include teaching Anatomy & Physiology, Human Gross Anatomy & Pathophysiology

AUG 1997 – Jan 2007

Chair, Department of Biology, Union University

SEPT 2002 – JUNE, 2003

Named Acting Director, Hammons Center for Scientific Studies

JUNE 2003 – JAN, 2008

Director, Hammons Center for Scientific Studies

2007

Dr. Madison and I were instrumental in developing a new major for the department (Conservation Biology).

During my tenure at Union I have at some point taught approximately 50% of the undergraduate courses offered in our program (I often tell faculty & students alike that if it is "biology", I love it) and I have developed or been a co-developer for every graduate course we offer in service to other disciplines (Nursing, Pharmacy) at Union. I currently enjoy teaching graduate courses in anatomy and physiology and undergraduate courses in Conservation Biology. Due to the illness within the Elsie Smith family, I have taught, though I am a vertebrate biologist by training, Microbiology this semester. I have also agreed to cover these classes next year so that Mrs. Smith can take a sabbatical to care for her husband, Bill.

PUBLICATIONS/PRESENTATIONS:

THESIS/DISSERTATIONS:

"A Systematic Analysis of the Prairie Vole, *Microtus ochrogaster* (Wagner), in Arkansas", MS thesis

"Morphologic Variation in the Masked Shrew (*Sorex cinereus*) and the Smokey Shrew (*S. fumeus*)", Ph.D. Dissertation

REFEREED PUBLICATIONS:

McDaniel, V.R., J.C. Huggins, J.A. Huggins and M.W. Hinson. 1978. A summary of the status of Harvest mice, *Cricetidae: Reithrodontomys* in Arkansas. Ar Acad. Sci., 32: 63-64.

- Tabatabai, F.R., J.A. Huggins and R.A. Smith. 1983. *Mallard food habits in western Tennessee*. Tn Acad. Sci., 58: 24-26.
- Huggins, J.A. and V.R. McDaniel. 1984. *Intraspecific variation within a southeastern population of the prairie vole, Microtus ochrogaster (Rodentia)*. The Southwest Natur., 29 (4): 403-406.
- Burkett, R.D. and J.A. Huggins. 1985. *Nerodia rhombifera* coloration. Herp. Review, 16 (2): 56.
- Burkett, R.D. and J.A. Huggins. 1985. *Nerodia rhombifera* twinning. Herp. Review, 16 (2): 56.
- Huggins, J.A. and M.L. Kennedy. 1989. *Morphological variation in the masked shrew (Sorex cinereus) and the smoky shrew (S. fumeus)*. Amer. Midland Naturalist, vol. 122.
- Beck, M., Biggers, C. and J.A. Huggins. 1991. *Variation in chromosome number in the southern short-tailed shrew (Blarina carolinensis)*. Mammalia.
- Burkett, R.D. and J.A. Huggins. 1993. *Albinism in Nerodia rhombifera*. Tn. Acad. Sci.
- Burkett, R.D. and J.A. Huggins. 1994. *Albinism and Nerodia*. Herp News

MANUSCRIPTS IN PREPARATION:

- Huggins, J.A. ____ *Body size and its selective significance in areas of sympatry over the range of the masked shrew (Sorex cinereus) and the smoky shrew (S. fumeus)*.
Undergoing a rewrite.

PAPERS PRESENTED:

- Natural history and karyology of *Synaptomys cooperi* in Northeast Arkansas
Ar Acad. Sci.
- Morphologic and karyotypic variation of *Microtus ochrogaster* in Arkansas
Ar & Tn Acad. of Sci.
- Geographic variation of *Microtus ochrogaster* in the Southeastern United States
Ar & Tn Acad. Sci.
- Distribution of *Sorex cinereus* and *S. fumeus* in Tennessee
Tn Acad. Sci.
- Food habits of mallards in Tennessee
Tn Wildlife Society
- Geographic variation in *Sorex cinereus* and *S. fumeus* in the Appalachian Mountains,
Am. Society of Mammalogists

Geographic size and nonsize variation across the North American range of *Sorex cinereus*, Am. Society of Biologists

The 17th Century: The Coming of Science. Invited speaker at the inaugural Enkuklios Paideia

ABSTRACTS:

James, L. J. A. Huggins and W. H. Wofford. 1997. Home range dynamics of field mice in diverse habitats as determined by powdertracking. J. of Tenn. Acad. Of Sci. 72(3-4): 81 (abstract)

Wood, L., J. A. Huggins and W. H. Wofford. . 1999. Utilization of mineral licks by mammals with special emphasis on whaite-tailed deer. J. of Tenn. Acad. Of Sci 74 (3-4): 103 (abstract)

Heathcott, G., G. C. Brady, J. A. Huggins and H.W. Wofford. 1999. The effects of captivity on the social and behavioral patterns of meerkats. J. of Tenn. Acad. Of Sci. 74 (3-4): 107 (abstract)

Tillery, M., J. A. Huggins and W. H. Wofford. 2000. Aggressive interactions and behaviors of three, male western lowland gorillas (*Gorilla gorilla gorilla*). J. of Tenn. Acad. Of Sci. 75 (3-4): 91 (abstract)

Grigg, A., J. A. Huggins and W. H. Wofford. 2000. The frequency and occurrence of aggressive behavior in a male lion-tail macaque (*Macaca silenus*) population and an examination of the effects of kava kava (*Piper methysticum*) on agression levels. J. of Tenn. Acad. Of Sci. 75 (3-4): 91 (abstract)

Gilley, L.M., M.L. Kennedy, J. A. Huggins, H.L. Hopkins, and K. Hopper. 2001. A comparison of small mammal capture success in untreated and lysol-treated Sherman live traps. J. of Tenn. Acad. of Sci. 76 (1): 34 (abstract)

Smith, M.E., M.L. Kennedy, and J.A. Huggins. 2002. Habitat Use by Three Species of Shrew in Western Tennessee. J. of Tenn. Acad. of Sci.

AWARDS, HONORS:

UU Faculty of the Year, 1997-1998

UU Innovative Teaching Award, 2002

Outstanding Young Men of America

TAS Editorial Board, Zoology I Editor for 10 years

American Registry of Outstanding Professionals

Whos Who Among America's Teachers (Multiple Recipient)

The article "*Morphologic Variation in the Masked Shrew (Sorex cinereus) and the Smoky Shrew (S. fumeus)*" was nominated as the OUTSTANDING JOURNAL ARTICLE in the wildlife division.

Graduated with "honors" and as a "student of distinction"

Chaired sessions of the Mid-South Colloquium on Biology and the West Tennessee Academy of Science meetings and their "Best Student Paper" committees