

**Curriculum Vitae**  
**Sarah Anne Baxter**  
(Formerly Sarah Anne De Viney)

Present position: M.S. Student in Biology

Present address: Department of Biological Sciences  
Arkansas State University  
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**Education**

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Candidate for M.S. in Biology, Arkansas State University, Jonesboro, AR  
January 2005 – present; expected graduation date May 2007; Dr. Tom Risch, advisor

B.S. in Wildlife Ecology & Management, Arkansas State University, Jonesboro, AR  
June 2000 – December 2004

**Relevant Experience**

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**Thesis Research**, Arkansas State University, January 2005 – present

- Wrote project proposal and grant proposals
- Conducted exhaustive literature searches for relevant articles
- Trained volunteer field technicians and lab assistants
- Monitored and maintained 150 Eastern Bluebird nest boxes
- Measured, banded, and took feather and blood samples from Eastern Bluebird adults and chicks (3 years experience)
- Data entry using Excel and Band Manager
- Collected color data using full spectrum UV/VIS spectrometry
- Analyzed size and color data using SAS

**Teaching Assistant**, Arkansas State University, June 2005 – present

- Taught laboratory portions for general biology, introductory biology and lower level and upper level anatomy and physiology classes
- Set up and prepared equipment for laboratory exercises
- Prepared and graded laboratory exams and lab reports
- Held additional tutoring and study sessions

**Field Technician**, Arkansas State University, Brookland, Arkansas

April 2004 – August 2004

- Monitored nest boxes for nest building and egg laying activity by Eastern Bluebirds
- Measured, banded, and took feather and blood samples from Eastern Bluebird adults and chicks (3 years experience)

- Captured adult Eastern Bluebirds using mist-netting and box-trapping techniques (3 years experience)
- Re-sighted and identified color banded adult Eastern Bluebirds (3 years experience)
- Data entry using Excel
- Supervised by T.J. Robinson, M.S. Candidate, Arkansas State University & Dr. Tom Risch, Associate Professor, Arkansas State University

**Field Technician**, Arkansas State University, Monette, Arkansas

May 2003 – November 2004

- Set and checked Sherman traps in agricultural fields
- Sedated, measured, and took blood samples from small mammals
- Prepared bait mixtures for Sherman traps
- Data entry using Excel
- Supervised by Dr. Tom Risch, Associate Professor, Arkansas State University

**Field Technician**, Arkansas State University, St. Francis Sunken Lands and agricultural fields, Arkansas, May 2003 – August 2004, July – August 2005, July – August 2006

- Set up mist nets in travel corridors
- Mist-netted, identified, banded, and took blood samples from songbirds
- Supervised by Dr. Jim Bednarz, Associate Professor, Arkansas State University

**Volunteer Experience**

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Hunter Education Instructor, Greene County, Arkansas, Fall 2005 and 2006

Taught Wildlife Conservation and Wildlife Management portions of hunter education courses

Northern Bobwhite restoration project, Fulton County, Arkansas, Summer 2005 and 2006

Captured adult male Northern Bobwhite, measured and attached radio collars

Radio tracked and recorded Northern Bobwhite locations with GPS

Aided with point counts and breeding bird surveys

Hybrid Catfish Experiments, Desha County, Arkansas – Baxter Land Company, June 2006

Milked eggs from female channel catfish and prepared samples for fertilization

Collected semen from male blue catfish and prepared samples for fertilization

Made spawns and helped maintain in hatchery

Wood Duck Banding, Big Lake NWR, Arkansas, September 2002 and 2003

Extracted ducks from rocket nets

Banded ducks with USGS aluminum bands and released

**In-Class Experience**

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ArcView 9.0

Fish Shocking

Vegetation Data Collection

GIS

Bat Mist-Netting

Transect Data Collection

Data Entry with Excel

Statistical Software (SAS 9.1 and MiniTab 14)

## **Publications**

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Baxter, S. D, R. J. Baxter, & T. S. Risch. An Unusual Prey Item Found in an Eastern Bluebird Nest. *Journal of the Arkansas Academy of Science*. In Press.

Milanovich, J.R., J. Anfinson, T.J. Bader, R.J. Baxter, S.C. Brandenbura, S.A. De Viney, W.R. Hiler, J. Learned, M.W. Matthews, C.R. McDowell, R.G. Neal, N.T. Stephens, J.P. Stewart, B.A. Wheeler, & S.E. Trauth. 2005. *Sonora semiannulata* (Groundsnake). *Herpetological Review*. 36(3): 340.

## **Presentations**

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De Viney, S. A, R. J. Baxter, & T. S. Risch. Observation of an Unusual Prey Item Delivered to an Eastern Bluebird Nest. Arkansas Academy of Science 90<sup>th</sup> Annual Meeting. April 2006. Lyon College, Batesville, Arkansas

De Viney, S. & T. S. Risch. Are Structurally Produced Plumage Colors Honest Signals of Quality? Poster Presentation. Southeastern Partners in Flight Annual Meeting. March, 2006. Tallahassee, Florida

T. S. Risch, B. Grisham, R. Langele, E. Compton, E. Easley, & S. De Viney. Comparison of Small Mammal Populations in Genetically Modified and Conventional Crops. Arkansas Academy of Science 88<sup>th</sup> Annual Meeting. April 2004. Arkansas State University, Jonesboro, Arkansas

Grisham, B. R. Langele, E. Compton, E. Easley, S. De Viney, & T.S. Risch. Comparison of Small Mammal Populations in Genetically Modified and Conventional Crops. 14<sup>th</sup> *Colloquium on Conservation of Mammals in the Southeastern United States*. February 2004. Warnell School of Forest Resources, University of Georgia, Athens, Georgia.

Langele, R., B. Grisham, E. Compton, E. Easley, S. De Viney, & T.S. Risch. 2003. Comparison of Small Mammal Populations in Genetically Modified and Conventional Crops. Annual meeting of the Arkansas Chapter of the Wildlife Society. October 2003. Arkansas State University, Arkansas.

## **Professional Societies**

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American Ornithologists' Union, January 2006 – present  
Wildlife Society, August 2002 – December 2004

## **Other Awards**

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Arkansas Game and Fish Commission Conservation Scholarship, 2005-2006 and 2006-2007

## **References**

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Dr. Tom Risch, Associate Professor, P.O. Box 599, Arkansas State University, State University, Arkansas 72467, 870/972-3333

Dr. Jim Bednarz, Associate Professor, P.O. Box 599, Arkansas State University, State University, Arkansas 72467, 870/972-3320

Dr. Al Romero, Chair of the Department of Biological Sciences, P.O. Box 599, Arkansas State University, State University, Arkansas 72467, 870/972-3194