

S. J. Beaupre

STEVEN JOHN BEAUPRE

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EDUCATION:

Ph.D. **The University of Pennsylvania**, Philadelphia, 1993.

Major fields: Ecology and Evolutionary Biology.

Dissertation: The physiological ecology of differences in body size between two populations of the mottled rock rattlesnake (*Crotalus lepidus lepidus*).

Advisor: Arthur E. Dunham.

M.S. **The University of Wisconsin**, Madison, 1987.

Major field: Biophysical Ecology.

Thesis: The effect of ambient temperature, food type, and meal size on post feeding oxygen consumption and specific dynamic action in captive *Dipsosaurus dorsalis*.

Advisor: Warren P. Porter.

B.S. **The University of Wisconsin**, Madison, 1982. Major field: Zoology

ACADEMIC POSITIONS:

Dean of the Graduate School, Arkansas State University (March 1, 2025 – present).

Professor of Biology, University of Arkansas, (July 2006 - present)

Associate Dean, Fulbright College of Arts and Sciences, U of A (July 2016 - Aug 2022)

Chair of Biological Sciences, University of Arkansas, (July 2012 – June 2016)

Vice Chair, of Biological Sciences, University of Arkansas, (August 2008 – June 2012)

Director, U of A Stable Isotope Laboratory, University of Arkansas (July 2002 – Aug 2022)

Associate Professor of Biology, University of Arkansas, Fayetteville (July 2001 - June 2006)

Assistant Professor of Biology, University of Arkansas, Fayetteville (August 1995 - June 2001)

Postdoctoral Research Associate, Arizona State University West (Jan. 1994 - August 1995)

Lecturer, College of General Studies, University of Pennsylvania (Fall 1993).

Associate Investigator, Earthwatch - Big Bend Program (Summer 1993).

Dissertation Fellow, The University of Pennsylvania (1991-1993).

Teaching Fellow, The University of Pennsylvania (1987 - 1991).

Research Assistant, The University of Wisconsin (1986 - 1987).

AWARDS:

Graduate: SEC Academic Leadership Development Program 2019

Outstanding Mentor Award, University of Arkansas, 2012.

Fulbright College Master Researcher Award, University of Arkansas, 2009.

Outstanding Mentor Award, University of Arkansas, 2009.

Outstanding Mentor Award, University of Arkansas, 2004

Student Alumni Association Teaching Award, Nomination Fall, 2002

Outstanding Teacher of the Year, Chi-Omega, Spring 1997

Honorable Mention in the Stoye Award competition of the ASIH, Austin, TX 1993.

Dean's Scholar, U. of PA School of Arts and Sciences: 1993

Dean's Dissertation Fellow, U. of PA School of Arts and Sciences: 1993

Dean's Dissertation Fellow, U. of PA School of Arts and Sciences: 1992

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SOCIETIES:

Herpetologist's League, Society for the Study of Amphibians and Reptiles, American Society of Ichthyologists and Herpetologists

RESEARCH INTERESTS:

The goal of my research is to understand various mechanisms that influence the distribution and abundance of terrestrial vertebrate ectotherms. Specifically, I have been interested in how environmental variation (temperature and food abundance) interacts with time budgets and physiological processes of ectotherms to affect their allocations to growth and reproduction. Thermal effects impinge on the allocation of energy and resources to the competing functions of maintenance, growth, reproduction, and storage which in turn, produce variation in population level processes. My favored approach to these problems is to use comparative bioenergetics to learn about constraints and trade-offs that operate on the physiological performance of individuals. Lately, my interests have expanded to address proximate and ultimate influences on the evolution of sexual size dimorphism (also a bioenergetic problem) the use of individual-based physiologically structured simulations of growth, reproduction and population dynamics for predicting the responses of populations to environmental change, and implications of bioenergetics for conservation.

TECHNIQUES:

Field: Mark-recapture methods, radio-telemetry, automated data collection, doubly-labeled water field metabolic rate measurement, operative temperature modeling and measurement, GPS.

Laboratory: Respiratory gas exchange (open and closed circuit), small animal surgery, feeding trials and studies of digestion, bomb calorimetry, Isotopic techniques, EM-SCAN, Isotope ratio mass spectrometry, physiologically structured modeling (individual-based simulations), programming (in Basic, Fortran, and Pascal), biostatistics.

FUNDING:

Arkansas Game and Fish Commission, 2020. DeGregorio, B. (Co-Investigator), Brewster, C. (Key Personnel), Douglas, M. R. (Co-Investigator), Beaupre, S. J. (Primary Investigator), "Glade Restoration and Conservation Management of Eastern Collared Lizards in Northern Arkansas," Sponsored by Arkansas Game and Fish Commission, Awarding Organization State, \$70,736.00.

Arkansas Game and Fish Commission, 2015. Brewster C., L. C. Biting, K. Irwin, M. Anderson, S. Clark, F. Wimberly, S.J. Beaupre, J.D. Willson, M.E. Gifford. Conservation and glade habitat restoration of an at-risk collared lizard (*Crotaphytus collaris*) population, Pruitt glade, Buffalo National River. Arkansas State Wildlife Grants. Role: CO-I, Total Project cost: \$64,123. Awarded funds: \$38,692.

Arkansas BioSciences Institute, S.J. Beaupre and D. Rhoads. 2010 Pilot-scale High Throughput Sequencing of the Timber Rattlesnake Genome \$57,200

National Science Foundation Beaupre, S. J. (PI) 2009. REU, Supplement \$6000

National Science Foundation Beaupre, S.J. (PI) 2007. Physiological and behavioral responses of a top predator to large-scale habitat manipulations. Organism-Environment Interactions, Awarded \$270000 for three years April 1, 2007 - March 31, 2010

NSF-EPSCoR S.J. Beaupre and D. Rhoads. Summer Undergraduate Research and Outreach Program. Starting Fall 2003. Total request: \$174K / year, three years = \$523431.

National Science Foundation Beaupre, S.J. (PI) 2002. Using physiological structure to model production: Determinants of female reproductive effort. Renewal, Ecological and Evolutionary Physiology, Awarded \$300000 for three years April 1, 2002 - March 31, 2005.

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FUNDING: (Continued)

- Arkansas Biosciences Institute S. E. Ziegler, S. J. Beaupre, P. D. Hays, and J. O. Lay Jr. 2003. Advanced stable isotope technology for major questions in human and environmental health. Total award: \$232200. (Note: funded in January 2004).
- NSF-MRI Limp, F., K. Kvamme, S. Beaupre, and S. Bajwa. 2003. Acquisition of High Accuracy/Resolution Landscape and Structure Characterization System. Three years, Fall 2003 - Fall 2006. Total award (including match): \$499,000.
- SILO-SURF Undergraduate Research Fellowship Beaupre, S. J. and S. L. Edwards 2002. Comparative study of the larval life history traits of tropical goatfishes. Total award: \$3588
- National Science Foundation Beaupre, S. J. (PI) 2004. REU, Supplement \$5000
- National Science Foundation Beaupre, S. J. (PI) 2003. REU, Supplement \$5675
- National Science Foundation Beaupre, S. J. (PI) 2001. REU, Supplement \$6284
- National Science Foundation Beaupre, S. J. (PI) 2000. REU, Supplement \$6000
- National Science Foundation Beaupre, S. J. (PI) 1999. REU, Supplement \$5000
- National Science Foundation Evans, R. D. (PI) and S. J. Beaupre (Co-PI). 1998. Contributed section for the acquisition of an isotope ratio mass spectrometer to the Arkansas EPSCoR Cooperative Agreement (J. G. Hehr, Lead PI) \$6000000 total, with \$777583 designated for UASIL (University of Arkansas Stable Isotope Laboratory) facility.
- National Science Foundation Beaupre, S. J. (P.I.) 1997. Using physiological structure to model individual production: A simulation and test. NSF Program in Evolutionary and Ecological Physiology. March 15 1998 - March 14, 2001. Total for 3 years: \$200,000.
- Arkansas Science and Technology Authority. Beaupre, S. J. (P.I.) 1996. Physiological Ecology of Native Arkansas Snakes. 18 month duration, total project cost: \$71,536. Total Award from ASTA: \$41,559.
- Research Incentive Fund University of Arkansas, \$50,000 (1996-1997).
- Selective Excellence in Doctoral Programs, Beaupre, S., D. Rhoads, J. Turbeville, and M. Ivey. Graduate Program Infrastructure Improvement Funds, Arkansas Department of Higher Education. One year duration, total funding: \$115,125.
- Research Incentive Fund University of Arkansas, \$50,000 (1995-1996).
- The Shell Foundation of The University of Pennsylvania \$3,000 (1988-1991).
- Sigma Xi, The Scientific Research Foundation \$1,600 (1989, 1990).
- Explorers Club Fund \$1,000 (1988).

PUBLICATIONS:

- Litmer, A.R., M.K. Pelley. And **S.J. Beaupre**. 2025. Nighttime warming and prey availability interact to influence physiology in prairie lizards (*Sceloporus consobrinus*). Journal of Experimental Biology. <https://journals.biologists.com/jeb/article-lookup/doi/10.1242/jeb.250737>
- Carnes Mason, M. and **S.J. Beaupre**. 2025. Temperature manipulation induces ecdysis in lab-held rattlesnakes. Ichthyology and Herpetology 113, No. 2, 2025
- Parker, M.R., A.M. Newhart, A.E. Hale, and **S.J. Beaupre**. 2024. Field-based observations of strike-induced chemosensory searching (SICS) in Timber Rattlesnakes (*Crotalus horridus*) reveal a potential role for olfaction via ventilation patterns. Ichthyology and Herpetology, 112.4 (2024): 567-572.
- Carnes-Mason, M., J. Ortega, and **S.J. Beaupre**. 2024. The Metabolic Effort and Duration of Ecdysis in Timber Rattlesnakes: Implications for Time-energy Budgets of Reptiles. Ecological and Evolutionary Physiology, pp 129-143.
- Litmer, A.R. and **S.J. Beaupre** 2024. Thermal Sensitivity of digestion in *Sceloporus consobrinus*, with comments on geographic variation. Journal of Thermal Biology, 2024 120: 103808 pp 1-11.

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PUBLICATIONS: (Continued)

- Litmer, A.R. and **S.J. Beaupre** 2024. Cycling Temperature Treatments Affect Estimates of Digestive Performance in Prairie Lizards (*Sceloporus consobrinus*). *J. of Exptl. Biology*, 227.4 (2024): jeb247006
- Carnes-Mason, M. and **S. J. Beaupre**. 2023. Frequency and Timing of Ecdysis in Free-Ranging Timber Rattlesnakes. *Herpetologica*, 79(4):207-219.
- Johnson, D.M., L. S. Simon, C.M. Manno, M.I. Rapert, and **S.J. Beaupre**. 2023. Instructor Perceptions of Emergency Hybrid Teaching During the COVID-19 Pandemic. *The Journal on Excellence in College Teaching*, 34(3):11-140.
- Brewster, C.L., M. Gifford, J. Ortega, and **S. J. Beaupre**. 2021. Analyzing Time-Energy Constraints to Understand the Links between Environmental Change and Local Extinctions in Terrestrial Ectotherms. *American Naturalist*, 198(6):719-733.
- Plummer, M.V, **S. J. Beaupre**, and S.E. Trauth. 2021. Arkansas. Chapter 7 in Breisch, A.R., W.H. Martin, J.B., Sealey, C.E. Peterson, and E. Possardt (eds.) *The Timber Rattlesnake: Life History, Distribution, Status, and Conservation Action Plan*. Partners in Amphibian and Reptile Conservation, Tech. Publ. CAP-1, Amphibian and Reptile Conservancy, Inc. Nashville, TN.
- Brewster C. L., Ortega, J. and **Beaupre, S.J.** 2020. Integrating bioenergetics and conservation biology: thermal sensitivity of digestive performance in Eastern Collared Lizards (*Crotaphytus collaris*) may affect population persistence. *Conservation Physiology* 8(1).
- Brewster C. L, **Beaupre S.J** 2019. The effect of body posture on available habitat and activity-time in a lizard: Implications for thermal ecology studies. *J Therm Biol* 82: 10–17.
- Brewster, C. L., **S. J. Beaupre** and J.D. Willson. 2018. Habitat loss and local extinction: Linking population declines of Eastern Collared Lizards (*Crotaphytus collaris*) to habitat degradation in Ozark glades. *Journal of Herpetology*, 52:352-360.
- Baker, S.J., **S. J. Beaupre**, M.J. Dreslik, and C.A. Phillips. 2017. Variation in Resting Metabolic Rate of the Eastern Massasauga (*Sistrurus catenatus*). Pp 109 - 118. In M.J. Dreslik, W.M Hayes, S.J. Beaupre and S. P. Mackessy (eds.) *Biology of the Rattlesnakes II*. ECO Herpetological Publishing, Rodeo, NM.
- Beaupre, S.J.**, J. Agugliaro, J.U. VanDyke, and F. Zaidan III. 2017. Annual energy budgets of the Timber Rattlesnake: Advancements, refinements, and open questions. Pp 96 - 107. In M.J. Dreslik, W.M Hayes, S.J. Beaupre and S. P. Mackessy (eds.) *Biology of the Rattlesnakes II*. ECO Herpetological Publishing, Rodeo, NM.
- Beaupre, S. J.** 2016. Novel Tracking, Remote Monitoring Technologies, and their Application to Rattlesnakes. In: *Rattlesnakes of Arizona*, vol. 2 (GW Schuett, MJ Feldner, CF Smith, and RS Reiserer, Eds.), pp. 345-366. Eco Herpetological Publishing, Rodeo, New Mexico.
- Paul, E. R.S. Sikes, **S.J. Beaupre** and J.C. Wingfield. 2016. Animal Welfare Policy: Implementation in the Context of Wildlife Research – Policy Review and Discussion of Fundamental Issues. *Institute for Laboratory Animal Research Journal*, 56(3):312-334.
- Levine BA, Smith CF, Douglas MR, Davis MA, Schuett GW, **Beaupre SJ**, and Douglas ME. 2016. Population Genetics of a North American Pitviper, the Copperhead (Viperidae: Agkistrodon contortrix). *Copeia* 104:448-457
- Lind, C.M., B. Flack, D. D. Rhoads, and **S.J. Beaupre**. 2016. The mating system and reproductive life history of female Timber Rattlesnakes in northwestern Arkansas. *Copeia*, 104:518-528.
- Beaupre, S. J.** 2016. Deciduous Forests. Pp 97-100 in Jones, L.L.C., J.K. Halama and R.E. Lovich (editors). *Habitat Management Guidelines for Amphibians and Reptiles of the Southwestern United States*. Partners in Amphibian and Reptile Conservation, Technical Publication HMG-5, Birmingham, AL. 193 pp.

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PUBLICATIONS: (Continued)

- Lind, C. M. and **S. J. Beaupre**. 2015. Male snakes allocate time and energy according to individual energetic status: Body condition, steroid hormones, and reproductive behavior in Timber Rattlesnakes, *Crotalus horridus*. *Physiological and Biochemical Zoology*, 88:624-623.
- Lind, C. M., and **S. J. Beaupre**. 2014. Natural variation in steroid hormone profiles of male Timber Rattlesnakes, *Crotalus horridus*, in Northwest Arkansas. *General and Comparative Endocrinology*, 206:72-79.
- Smith, M.T., J. Ortega, and **S. J. Beaupre**. 2014. Metabolic cost of venom replenishment by prairie rattlesnakes (*Crotalus viridis viridis*). *Toxicon* 86:1-7.
- Wittenberg, R. and **S.J. Beaupre**. 2014. Growth of Timber Rattlesnakes (*Crotalus horridus*) in an agriculturally fragmented and a contiguously forested habitat. *Herpetologica*, 70:171-183.
- Hill, J. G, III, S.J. Beaupre, S. Ricke, S. Park, I. Hanning, 2012. An inexpensive, minimally invasive method for sampling gastrointestinal tract bacteria in snakes. *Herpetological Review*, 43:579-582.
- Sikes, R.S., E. Paul, and **S.J. Beaupre**. 2012. Standards for wildlife research: Taxon-specific guidelines vs.PHS Policy. *BioScience*, 62:830-834.
- VanDyke, J. U. and **S. J. Beaupre**. 2012. Snakes allocate amino acids acquired during vitellogenesis to offspring: are capital and income breeding consequences of variable foraging success? *Biological Journal of the Linnaean Society*, 106:390-404.
- Marshall D. McCue, Harvey B. Lillywhite, **Steven J. Beaupre**. 2012. Physiological responses to starvation in snakes: low energy specialists. Pp. 103-132 *In Comparative Physiology of Fasting, Starvation, and Food Limitation*. (McCue, M.D. ed), Springer.
- Beaupre, S.J.** and F. Zaidan, III. 2012. Digestive performance in the Timber Rattlesnake (*Crotalus horridus*) with reference to temperature dependence and bioenergetic cost of growth. *Journal of Herpetology*, 46:637-642.
- Beaupre, S. J.** and L. E. Douglas. 2012. Responses of timber rattlesnakes to fire: Lessons from two prescribed burns. Pp 192 to 204 in D.C. Dey, M.C. Stambaugh, S.L. Clark, and C.J. Schweitzer (eds.) *Proceedings of the 4th Fire in the Eastern Oaks Conference*. USDA, Northern Research Station, General Technical Report NRS-P-102.
- VanDyke, J. U. and **S. J. Beaupre**. 2012. Stable isotope tracers reveal that viviparous snakes transport amino acids to offspring during gestation. *Journal of Experimental Biology*. 215:760-765.
- Beaupre, S. J.** & Greene, H.W. 2012. Handling Hazardous Live Reptiles. In McDiarmid, R.W, Foster, M.S., Guyer, C, Gibbons, J.W., & Chernoff, N. (Eds.) *Reptiles: Standard Methods of Inventory and Monitoring* (pp. 130-134) University of California Press, Los Angeles, CA.
- VanDyke, J. U. and **S. J. Beaupre**. 2011. Bioenergetic Components of Reproductive Effort in Viviparous Snakes: Costs of Vitellogenesis versus Costs of Pregnancy. *Comparative Biochemistry and Physiology. A* 160:504-515.
- Van Dyke, J., M.V. Plummer, and **S.J. Beaupre**. 2011. An examination of the function of residual yolk in hatchling smooth softshell turtles, *Apalone mutica*. *Comparative Biochemistry and Physiology*. 138:37-46.
- Beaupre, S. J.** and L. E. Douglas. (2009). Snake populations as indicators of ecosystem health. Book Chapter, In S. Mullin and R.A. Seigel, eds. *Snakes: Applied Ecology and Conservation*. Cornell University Press, Ithaca NY.
- Gardner-Santana, L.C. and **S. J. Beaupre**. 2009. Timber Rattlesnakes (*Crotalus horridus*) exhibit elevated and less variable body temperatures during pregnancy. *Copeia*, 2009:363-368.
- Hill, J.G. III. I. Hanning, **S.J. Beaupre**, S.C. Ricke, and M.M. Slavik. 2008. Denaturing gradient gel electrophoresis for the determination of bacterial species diversity in the gastrointestinal tracts of two Crotaline snakes. *Herpetological Review*, 39:433-438.
- Hill, J.G. and **S.J. Beaupre** 2008. Body size, growth and reproduction in a population of western cottonmouths (*Agkistrodon piscivorus leucostoma*) in the Ozark Mountains of Northwest Arkansas. *Copeia*, 2008:103-112.

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PUBLICATIONS: (Continued)

- Beaupre, S. J.** 2008. Annual variation in time-energy allocation by Timber Rattlesnakes (*Crotalus horridus*) in relation to food acquisition. Pp 111-121 In *Biology of Rattlesnakes* (W.K. Hayes, S.P. Bush, D. Caldwell, and K. Beaman Eds.). Loma Linda Press.
- Beaupre, S. J.** and C. E. Montgomery. 2007. The meaning and consequences of foraging mode in snakes. Chapter 14 in *Foraging Behavior in Lizards*. S. M. Reilly, D. Miles, and L. McBrayer (eds.). Cambridge University Press.
- Beaupre, S. J.** 2005. Technical Comment: Ratio representations of specific dynamic action (mass specific SDA and SDA coefficient) do not standardize for body mass and meal size. *Physiological and Biochemical Zoology*, 78:126-131.
- Browning, D. M., **S.J. Beaupre**, and L. Duncan. 2005. Using partitioned malahanobis $D^2(k)$ to formulate a GIS-based model of Timber rattlesnake hibernacula. *Journal of Wildlife Management* 69:33-44.
- Montgomery, C. E., N. E. Haertle, and **S. J. Beaupre**. 2004. *Agkistrodon contortrix* (Copperhead) Predation. *Herpetological Review*, 35(3): 271.
- Beaupre, S. J.**, E. R. Jacobson, H. B. Lillywhite, and K. Zamudio. 2004. Guidelines for the use of live amphibians and reptiles in field and laboratory research. A publication of the American Society of Ichthyologists and Herpetologists, Approved by board of Governors June 30, 2004, Norman Oklahoma.
- Zaidan III, F., D.L. Kreider, and **S.J. Beaupre**. 2003. Testosterone cycles and reproductive energetics: Implications for northern range limits of the cottonmouth (*Agkistrodon piscivorus leucostoma*). *Copeia*, 2003: 231-240.
- Zaidan, III, F., and **S. J. Beaupre**. 2003. The effects of body mass, meal size, fast length, and temperature on specific dynamic action (SDA) in the Timber Rattlesnake (*Crotalus horridus*). *Physiological and Biochemical Zoology*, 76:447-458.
- Beaupre, S. J.** 2002. Modeling time-energy allocation in vipers: individual responses to environmental variation and implications for populations. In G. Schuett, M. Hoggren, M. E. Douglas and H. W. Greene (eds), *Biology of Vipers*. Eagle Mountain Publishing LC.
- Cundall, D. and **S. J. Beaupre**. 2001. Field records of predatory strike kinematics in Timber Rattlesnakes, *Crotalus horridus*. *Amphibia-Reptilia*, 22:492-498.
- Beaupre, S. J.** and F. Zaidan. 2001. Scaling of CO₂ production in the timber rattlesnake (*Crotalus horridus*), with comments on the cost of growth in neonates and comparative patterns. *Physiological and Biochemical Zoology*. 74:757-768.
- Petratis, P., **S. J. Beaupre**, and A. E. Dunham. 2001. Non-parametric and randomization approaches to analysis of covariance: ecological applications. Pages 116-133 In *Design and Analysis of Ecological Experiments* (2nd Ed) S.M. Scheiner and J. Gurevitch (eds). Chapman and Hall, NY.
- Beaupre, S. J.** and K. Roberts. 2001. *Agkistrodon contortrix*, chemotaxis, diet and arboreality. *Herpetological Review*, 32:44-45.
- Wills, C. A. and **S. J. Beaupre**. 2000. An application of randomization for detecting thermoregulation in timber rattlesnakes (*Crotalus horridus*) from northwest Arkansas. *Physiological and Biochemical Zoology*, 73:325-334.
- Ungar, P. and **S. Beaupre**. 1999. Feeding adaptations: Vertebrates. *Encyclopedia of Paleontology*. R. Singer (ed.), Fitzroy Dearborn Publishers, Chicago, IL.
- Beaupre, S. J.** and D. Duvall. 1998. Variation in oxygen consumption of the western diamondback rattlesnake, *Crotalus atrox*: Implications for sexual size dimorphism. *Journal of Comparative Physiology*, B 168:497-506.
- Beaupre, S.J.**, and D. Duvall. 1998. The integrative biology of rattlesnakes: Contributions to ecology and evolution. *BioScience*, 48:531-538.
- Duvall, D. and **S. J. Beaupre**. 1998. Sexual strategy and size dimorphism in rattlesnakes: integrating proximate and ultimate causation. *American Zoologist*, 38:152-165.

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PUBLICATIONS: (Continued)

- Dunham, A. E. and **S. J. Beaupre**. 1998. Ecological experiments: Scale, phenomenology, mechanism and the illusion of generality. *in* Experimental Ecology: Issues and Perspectives. (J. Bernardo, and W. Resetarits eds.). Oxford University Press, NY
- Beaupre, S. J.**, D. Duvall, and J. O'Leile. 1998. Ontogenetic variation in growth and sexual size dimorphism in a central Arizona population of the western diamondback rattlesnake (*Crotalus atrox*). *Copeia*, 1998: 40-47.
- Beaupre, C. E., C. J. Tressler, **S. J. Beaupre**, J. L. Morgan, W. G. Bottje, and J. D. Kirby. 1997. Determination of testes temperature rhythms and effects of constant light on testicular function in the domestic fowl (*Gallus domesticus*). *Biology of Reproduction*, 56:1570-1575.
- Beaupre, S.J.** 1996. Field metabolic rate, water flux, and energy budgets of mottled rock rattlesnakes, *Crotalus lepidus* from two populations. *Copeia*, 1996:319-329.
- Beaupre, S.J.** and A.E. Dunham, 1995. A comparison of ANCOVA and ratio-based analyses of a nutritional data set. *Functional Ecology*, 9:876-880.
- Beaupre, S.J.** 1995. Effects of geographically variable thermal environment on bioenergetics of mottled rock rattlesnakes, *Crotalus lepidus*. *Ecology*, 76:1655-1665.
- Beaupre, S.J.** 1995. Comparative ecology of the mottled rock rattlesnake, *Crotalus lepidus* in Big Bend National Park. *Herpetologica*, 51:45-56.
- Beaupre, S.J.** and R.W. Beaupre. 1994. An inexpensive data collection method for temperature Telemetry. *Herpetologica*, 50(4):509-516.
- Beaupre, S.J.**, A.E. Dunham, and K.L. Overall. 1993. Metabolism of a desert lizard: the effects of mass, sex, population of origin, temperature, time of day, and feeding on oxygen consumption of *Sceloporus merriami*. *Physiological Zoology*, 66(1):128-147.
- Beaupre, S.J.**, A.E. Dunham, and K.L. Overall. 1993. The effects of consumption rate and temperature on ADC, urate production, MEC, and passage time in canyon lizards (*Sceloporus merriami*) from two populations. *Functional Ecology*, 7:273-280.
- Beaupre, S.J.** 1993. An ecological study of oxygen consumption in the mottled rock rattlesnake, *Crotalus lepidus lepidus* and the black-tailed rattlesnake, *Crotalus molossus molossus*. *Physiological Zoology*, 66(3): 437-454.

POPULAR PUBLICATIONS AND REPORTS (NON-PEER REVIEW):

- Beaupre, S.J. 2018. Book Review: Diamonds in the Rough: Natural History of the Eastern Diamondback Rattlesnake (By D. Bruce Means). *Copeia* 2018: 565-567.
- Dreslik, M.J. W.K. Hayes, S.J. Beaupre and S.P. Mackessy. 2017. Exploring the secret lives of the World's most studied snake group: A second Rattlesnake Symposium and Volume. Pp 1 - 4. In M.J. Dreslik, W.M Hayes, S.J. Beaupre and S. P. Mackessy (eds.) *Biology of the Rattlesnakes II*. ECO Herpetological Publishing, Rodeo, NM.
- Beaupre, S.J., 2017. In Memoriam: Philip A. Cochran (1956-2015). p 8. In M.J. Dreslik, W.M Hayes, S.J. Beaupre and S. P. Mackessy (eds.) *Biology of the Rattlesnakes II*. ECO Herpetological Publishing, Rodeo, NM.
- Beaupre, S. J. 2006. Comments on teaching and assembling a new course. American Society of Ichthyologists and Herpetologists. Graduate Student Workshop, Annual Meeting, New Orleans, LA, July 2006 (Copy available upon request).
- Gardner, L. C. and S. J. Beaupre. 2004. Thermoregulation and area use by gravid timber rattlesnakes (*Crotalus horridus*) in northwest Arkansas. *Inquiry, Undergraduate Research Journal of the University of Arkansas*, Volume 5, 2004. Online article found at: <http://advancement.uark.edu/pubs/inquiry>.
- Beaupre, S. J. 2000. UA Q&A: Why are some snakes poisonous while others are not? University of Arkansas Research Frontiers. Spring, 2000.
- Beaupre, S. J. 1999. Herpetology at the University of Arkansas. HL Newsletter 6:3-5.

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POPULAR PUBLICATIONS AND REPORTS (NON-PEER REVIEW): (Continued)

- Beaupre, S.J. 1999. Snake Lab Procedures Manual, Version 1.1. 5/21/99
- Beaupre, S. J. 1999. Book Review: Herpetology by F. H. Pough et al. Q. Rev. Biol.
- Beaupre, S. J. 1998. Book Review: The Garter Snakes: Evolution and Ecology. Copeia.
- Duvall, D., J.K. O'Leile, S. Heald, and S.J. Beaupre. 1995. Population status, behavioral ecology, and conservation of tiger and speckled rattlesnakes (*Crotalus tigris* and *mitchelli*) in urban Phoenix, Arizona. Final report, Arizona Game and Fish.
- Beaupre, S.J., and D. Duvall. 1995. Sexual size dimorphism in the western diamondback rattlesnake (*Crotalus atrox*): Integrating natural history, behavior, and physiology. Sonoran Herpetologist, a publication of the Tucson Herpetological Society.
- Beaupre, S. J. 1995. Status of McDowell Mountain western diamondback rattlesnakes: preliminary post-fire report. McD. Mount. Pres. Soc. Newsletter, September, 1995.

INVITED LECTURES AND SYMPOSIA:

- Beaupre, S. J. 2016. Integrative Biology of the Timber Rattlesnake (*Crotalus horridus*): Why are snakes so odd? Invited Seminar, North Dakota State University, Fargo ND, April 29, 2016
- Beaupre, S. J. 2013. Integrative Biology of the Timber Rattlesnake (*Crotalus horridus*): Why are snakes so odd? Invited Seminar, Iowa State University, Ames IA, November 8, 2013
- Beaupre, S. J. 2012. Physiological Ecology, past present and future: Cool stuff I have learned about rattlesnakes. ASIH Plenary Session, Past-President's Address. Annual Meeting of ASIH, Albuquerque NM, July 10-15, 2013.
- Beaupre, S.J and L.E. Douglas. 2011. Responses of Timber Rattlesnakes to fire: Lessons from two prescribed burns. Ohio Timber Rattlesnakes and forest management workshop. Cleveland OH, March 7-10, 2012
- Beaupre, S.J and L.E. Douglas. 2011. Responses of Timber Rattlesnakes to fire: Lessons from two prescribed burns. Fire in the Eastern Oaks Symposium, Daniel Dey (Organizer). Springfield MO. May 17-19, 2011.
- Beaupre, S. J. Tradeoffs and constraints in rattlesnake physiological ecology: mass, energy, time, and cold hard cash. Keynote Speaker, 5th meet of Snake Ecology, Donnelley, ID, 19 July 2009.
- Beaupre, S. J. Physiological Ecology of the Timber rattlesnake (*Crotalus horridus*): Implications for conservation. University of South Carolina, Upstate Fall 2009.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Invited seminar. Illinois Natural History Survey, Champaign, IL. May 6, 2008.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Invited seminar. Truman State University, Biology Department, Kirksville, MO February 29, 2008.
- Beaupre, S. J. Applications of mathematics in physiological ecology: Data representation, analysis, and simulation. Invited seminar. Truman State University, Mathematical Biology Group, Kirksville, MO February 28, 2008.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Invited seminar. University of Louisiana, Lafayette, Lafayette, LA November 29, 2007.
- Beaupre, S. J. 2007. Philosophy of handling venomous animals: Human and animal behavior. Venom Week Symposium, September 4, 2007, Sonoran Desert Museum. Tucson, AZ
- Beaupre, S. J. 2005. Annual variation in time-energy allocation by timber rattlesnakes (*Crotalus horridus*) in relation to food acquisition. Biology of the Rattlesnakes Symposium, January, 2005. Loma Linda University, Loma Linda CA.
- Beaupre, S. J. 2005. Timber Rattlesnakes: A model system for environmental change. Howard Hughes Seminar Series, University of Texas, Pan American, Edinburg TX April 22, 2005.

S. J. Beaupre

INVITED LECTURES AND SYMPOSIA (Continued)

- Beaupre, S. J. 2005. Timber Rattlesnakes: A model system for environmental change. Biology Seminar University of Arkansas at Pine Bluff, April 6, 2005.
- Beaupre, S. J. 2005. Timber Rattlesnakes: A model system for environmental change. ENDY Colloquium, University of Arkansas, Fayetteville, February 21, 2005.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Invited seminar. University of Wyoming, Laramie. October 22, 2004.
- Beaupre, S. J. 2004. Timber Rattlesnakes: A model system for environmental change. The Wildlife Society, Fall Meeting, September 9, 2004. University of Arkansas, Fayetteville.
- Beaupre, S. J. 2004. Snakes as model organisms for connecting climate change to population dynamics.. Snake Ecology Group IV Meeting, Carbondale IL May 24, 2004.
- Beaupre, S. J. Timber rattlesnakes as models for studying the effects of climate change. Invited seminar. Annual meet of the Arkansas Herp Enthusiasts, Mt. Magazine, April 17, 2004.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. WSU, Pullman. March 8, 2004.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Invited seminar. Oklahoma State University, Tahlequah January 28, 2004.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Invited seminar. Southern Illinois University at Carbondale. March 17, 2003.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Keynote Speaker, Annual meeting of the Kansas Herpetological Society, Emporia, KS November 8, 2003.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. University of Arkansas, Sigma Xi, Lunch meeting featured speaker. November 21, 2002.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Stetson Univ., DeLand, FL Nov. 7, 2002
- Beaupre, S. J. Applications of isotope-ratio mass spectrometry to problems in animal physiological ecology. Department of Chemistry and Biochemistry, University of Arkansas, April 26, 2002.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Indiana State University, Department of Biology, Terre Haute, IN. February, 2002.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. University of Florida, Department of Biology, Gainesville, FL. May, 2001.
- Beaupre, S. J. Modeling time-energy allocation in vipers: individual responses to environmental variation and implications for populations. Biol. of Vipers Uppsala, Sweden May 17-20, 2000.
- Beaupre, S.J. Integrating response variables: telemetry, present and future. Snake Ecology Group Meeting, Ozark Natural Science Center, Sept. 22-24, 2000. Workshop Leader.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Why you should care about rattlesnake research. Harding University, Dept of Biology, Searcy, AR. Feb. 21, 2000.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Hendrix College, Department of Biology, Conway, AR. 5 October, 1999.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Northeastern State University, Department of Biology, Tahlequah, OK 10 February, 1999

S. J. Beaupre

INVITED LECTURES AND SYMPOSIA (Continued)

- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. University of Ohio, Department of Biology, Athens, OH 22 February, 1999.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*: Modeling, measuring, and manipulating time-energy allocation. Rutgers University, Graduate Group in Ecology and Evolution. 29 October, 1998, New Brunswick, NJ.
- Beaupre, S. J. Integrative biology of the timber rattlesnake, *Crotalus horridus*. University of Oklahoma, Department of Zoology Seminar. 18 February, 1998, Norman, OK.
- Beaupre, S. J. Integrative biology of the timber rattlesnake (*Crotalus horridus*): Modeling time-energy allocation. OSU, Department of Zoology. 14 Nov, 1997, Stillwater, OK.
- Beaupre, S. J. Integrative biology of the timber rattlesnake: Modeling growth and reproduction using physiologically-structured simulation. Snake Ecology Group, annual meeting, Tyler Texas, October 1997.
- Beaupre, S. J. Integrative biology of the timber rattlesnake: Modeling growth and reproduction using physiologically-structured simulation. Keynote, Prairie States Ecology Conclave, October 1997.
- Beaupre, S. J. and D. Duvall. Field studies of allocation in snakes: Linking environmental variation to population properties. Savannah River Ecology Laboratory Symposium. February, 1997. and University of Iowa, Department of Biology, Spring 1997.
- Duvall, D. and S. J. Beaupre. Sexual strategy and size dimorphism in rattlesnakes: integrating proximate and ultimate causation. Society of Integrative and Comparative Biology, Annual Meeting, December 1996, Albuquerque, NM.
- Beaupre, S.J., and D. Duvall. Sexual size dimorphism in the western diamondback rattlesnake (*Crotalus atrox*): Integrating natural history, behavior, and physiology. Department of Biology, Stetson University. Feb 23, 1996 and University of Tulsa, Dept of Bio, March 8, 1996.
- Beaupre, S.J., and D. Duvall. Sexual size dimorphism in the western diamondback rattlesnake (*Crotalus atrox*): Integrating natural history, behavior, and physiology. Department of Biology, Southwest Missouri State University. November 1995.
- Beaupre, S.J., and D. Duvall. Sexual size dimorphism in the western diamondback rattlesnake (*Crotalus atrox*): Integrating natural history, behavior, and physiology. Tucson Herpetological Society. Summer 1995.
- Beaupre, S.J., and D. Duvall. Sexual size dimorphism in the western diamondback rattlesnake (*Crotalus atrox*): Integrating natural history, behavior, and physiology. In Patterns in the natural history of amphibians and reptiles. A symposium sponsored by ASIH and HL, University of Alberta, Edmonton, Alberta. Summer 1995.
- Beaupre, S. J. 1995. Understanding variation in life history: Contributions of comparative energetics. University of Arkansas at Fayetteville, and Florida International University at Miami. Spring 1995.
- Dunham, A. E., and S. J. Beaupre. Ecological experiments: scale, phenomenology, mechanism, and the illusion of generality. In Experimental Ecology. ASZ symposium. Jan 1995, St. Louis.
- Beaupre, S.J. Understanding geographic variation in life history: Contributions of comparative energetics. In Interfaces among inter-individual variation, life histories, and population dynamics of reptiles and amphibians. A symposium sponsored by the Herp League. Athens GA, 1994.
- Beaupre, S.J. Physiologically structured models of populations: a case study. Department of Life Sciences, Arizona State University West. Spring 1994.
- Beaupre, S.J. Physiological ecology of differences in body size between two populations of the mottled rock rattlesnake. Department of Zoology, Arizona State University, Tempe. Ecology and Evolutionary Biology Lunch Seminar Series. Spring 1994.

S. J. Beaupre

INVITED LECTURES AND SYMPOSIA (Continued)

Beaupre, S.J. Natural history of the western diamondback rattlesnake in the McDowell Mountains. Special Seminar at the Mayo Clinic, Scottsdale, AZ. Spring 1994, and Spring 1995, and McDowell Mountain Preservation Society. Spring, 1995.

OTHER PRESENTATIONS:

- Carnes-Mason M.D. and S.J. Beaupre, 2025. Temperature manipulation induces ecdysis in lab-held Rattlesnakes. Biology of the Pitvipers Symposium 5, Rodeo NM, July 23-26, 2025.
- Beaupre, S.J., I. Lord, B. Birchfield, J. Sloan, J.D. Willson, and M.D. Carnes-Mason. 2025. Remote monitoring of a Western Diamond-backed Rattlesnake (*Crotalus atrox*) Den in Northwest Arkansas: Phenology, Reproduction, and Interspecific Interactions. Biology of the Pitvipers Symposium 5, Rodeo NM, July 23-26, 2025.
- Beaupre, S.J., I. Lord, B. Birchfield, J. Sloan, J.D. Willson, and M.D. Carnes-Mason. 2025. Den -Tending: Documentation of a Novel Reproductive Behavior of the Western Diamond-backed Rattlesnake (*Crotalus atrox*) at a Den in Northwest Arkansas. Biology of the Pitvipers Symposium 5, Rodeo NM, July 23-26, 2025.
- Carnes-Mason, M. and **Beaupre, S.J.** 2024. The Metabolic and Temporal Effort of Ecdysis in Timber Rattlesnakes (*Crotalus horridus*). Research Talk at: The Society of Integrative and Comparative Biology; Seattle, WA January 2024
- Carnes-Mason, M. and **Beaupre, S.J.** 2023. Sex-Specific Patterns of Timing and Frequency of Ecdysis in Free-Ranging Timber Rattlesnakes (*Crotalus horridus*). Research Talk at: The Joint Meeting of Ichthyologists and Herpetologists; Norfolk, VA. July 2023.
- Litmer, A.R. and **S. J. Beaupre**. 2023. Cycling Temperature Treatments Affect Estimates of Digestive Performance in Prairie Lizards (*Sceloporus consobrinus*). Joint Meeting of Ichthyologists and Herpetologists. Norfolk, VA.
- Pelley, M.K., **S. J. Beaupre**, and A. R. Litmer. 2022. Influence of temperature and body size on food consumption in prairie lizards (*Sceloporus consobrinus*), with comparison to congeners. Arkansas Academy of Sciences. Ouachita Baptist University, Arkadelphia, AR. April 1 - 2, 2022.
- Litmer, A.R. and **S. J. Beaupre**. 2022. Influence of temperature on passage rate and metabolizable energy intake in *Sceloporus consobrinus*, with comparison to a congener. Joint Meeting of Ichthyologists and Herpetologists. Spokane, WA. July 27 - 31, 2022.
- Litmer, A. R. and **S. J. Beaupre**. 2022. Influence of temperature on passage rate in *Sceloporus consobrinus*, with comparison to congeners. Arkansas Academy of Sciences. Ouachita Baptist University, Arkadelphia, AR. April 1 - 2, 2022.
- Litmer, A. R. and **S. J. Beaupre**. 2022. Influence of temperature on passage rate in *Sceloporus consobrinus*, with comparison to congeners. Arkansas Women in STEM Conference. Virtual. Hosted by Ouachita Baptist University. March 12, 2022.
- Litmer, A. R. and **Steven J. Beaupre**. 2021. Influence of temperature on passage rate in *Sceloporus consobrinus* with comparison to congeners. Joint Meeting of Ichthyologists and Herpetologists, Phoenix, AZ.
- Allison M. Newhart, April E. Hale, **Steven J. Beaupre**, and M. Rockwell Parker. 2021. Quantification of post-strike chemosensory behaviors in Timber Rattlesnakes in the field. Poster. Joint Meeting of Ichthyologists and Herpetologists, Phoenix, AZ.
- Donald M. Johnson, Lauren Simon, Molly Rapert, and **Steven J. Beaupre**. 2021. Faculty Perceptions of Emergency Hybrid Teaching During the COVID-19 Pandemic: A Mixed Methods Approach. Original Lilly Conference on College Teaching: "Evidence-Based Teaching and Learning" November 18-21, 2021.
- Beaupre, S.J.** 2019. Secrets of the rattlesnake's rattle: an overlooked comparative tool? ASIH, Snowbird, UT, July 2019.

S. J. Beaupre

OTHER PRESENTATIONS: (Continued)

- Kamees, L.K., and **S.J. Beaupre**. 2019. Balancing foraging and thermoregulation: Can thermal conduction counter frequent solar exposure in an ectothermic ambush predator? ASIH, Snowbird, UT, July 2019.
- Brewster, C. L. and **S.J. Beaupre**. 2019. The effect of body posture on available habitat and activity-time in a lizard: Implications for thermal ecology studies. ASIH, Snowbird, UT, July 2019.
- Gallaher, B. and **S. J. Beaupre**. 2019. Factors affecting home range size in a long-term study of the Timber Rattlesnake, *Crotalus horridus*. ASIH, Snowbird, UT, July 2019.
- Beaupre, S.J.** 2018. Venomous Snakes in the Academic Environment: Toward Safer Protocols. ASIH, Rochester, NY, July 2018.
- Brewster, C.L. and **S.J. Beaupre**. 2018. Addressing the links between woody vegetation encroachment and reduced body size and reproduction in the Eastern Collared Lizard (*Crotaphytus collaris*). ASIH, Rochester, NY, July 2018.
- Brewster, C.L. and **S.J. Beaupre**. 2017. The impact of woody vegetation encroachment on body size and reproduction in the Eastern Collared lizard (*Crotaphytus collaris*). ASIH, Austin, TX July 2017.
- Gallaher, B., and **S.J. Beaupre**. 2016. Factors that Affect Home Range Size in the Timber Rattlesnake, *Crotalus horridus*. ASIH, Ann. Meeting, New Orleans, July 2016.
- Guillette, J., L. Kamees, J. Ortega, C. Lind, and **S.J. Beaupre**. 2016. Validation of the use of Leukocyte Profiles for determining stress in the Prairie Rattlesnake (*Crotalus viridis*) ASIH, Annual Meeting, New Orleans, July 2016.
- Hirsh, C., J. Ortega, and **S.J. Beaupre**. 2016. Validation of the use of doubly-labeled water for measuring metabolic rate in Timber Rattlesnakes (*Crotalus horridus*). ASIH, Annual Meeting, New Orleans, July 2016.
- Kamees, L. and **S.J. Beaupre**. 2016. Thermal Conduction in an Ectothermic Ambush Predator ASIH, Ann. Meeting, New Orleans, July 2016.
- Beaupre, S.J.** 2015. Long-term studies of field metabolic rate in Timber Rattlesnakes: Annual variation, critical factors, and implications for bioenergetic studies. American Society of Ichthyologists and Herpetologists, annual Meeting, July 2015, Reno, NV.
- Lind, C.M., B. Flack, D. D. Rhoads, and **S.J. Beaupre**. 2015. The mating system and reproductive life history of female Timber Rattlesnakes in northwestern Arkansas. American Society of Ichthyologists and Herpetologists, annual Meeting, July 2015, Reno, NV.
- Ortega, J. and **S. J. Beaupre**. 2015. The effect of prey type on SDA response of the Western Cottonmouth (*Agkistrodon piscivorus leucostoma*). American Society of Ichthyologists and Herpetologists, annual Meeting, July 2015, Reno, NV.
- Ortega, J., M.T. Smith, S.J. Beaupre. 2014 Metabolic cost of venom replenishment by Prairie Rattlesnakes (*Crotalus viridis viridis*). Biology of the Pit Vipers Conference. Tulsa, OK. (Poster).
- Smith, M.T., J. Ortega, S.J. Beaupre 2014. Metabolic cost of venom replenishment by Prairie Rattlesnakes (*Crotalus viridis viridis*). Dakota Amphibian and Reptile Monitoring Network. Annual Meeting. Fargo, ND.
- Peterson, C.R., J. Ortega, S.H. Park, I. Hanning, J. Hill, and S. Beaupre. 2013. Effects of Gastrointestinal Microbes on Digestive Efficiency in African House Snakes (*Boaedon fuliginosus*). American Society of Ichthyologists and Herpetologists, 2013 Annual Meeting, July 30-Aug 3, 2013.
- Lind, C. and S. Beaupre. 2013. Reproductive Ecology of the Timber Rattlesnake, *Crotalus horridus*, in northwest Arkansas. American Society of Ichthyologists and Herpetologists, 2013 Annual Meeting, July 30-Aug 3, 2013.
- Baecher, J.A., J. Ortega and S. Beaupre. 2013. Evaluation of Stable Isotope Analysis for Determining Diet Breadth of the Western Cottonmouth (*Agkistrodon piscivorus leucostoma*) on the Buffalo National River. Society for Freshwater Science, May 2013, Jacksonville, FL. (contributed paper).

S. J. Beaupre

OTHER PRESENTATIONS: (Continued)

- Steven J. Beaupre, Joseph Agugliaro, James Van Dyke, and Fred Zaidan III. 2011. Annual energy Budgets of the Timber Rattlesnake: Advancements, refinements, and open questions. Biology of the Rattlesnakes 2011 Symposium. Tucson, AZ July 20-23
- Van Dyke, J.U. and S.J. Beaupre. 2010. Enriched stable isotope tracers indicate income allocation in putative capital breeding snakes. American Society of Ichthyologists and Herpetologists. Annual meeting, Providence, RI 7-12 July, 2010.
- Van Dyke, J.U. and S.J. Beaupre. 2010. Estimating reproductive effort in viviparous snakes: Metabolic costs of vitellogenesis. American Society of Ichthyologists and Herpetologists. Annual meeting, Providence, RI 7-12 July, 2010.
- Douglas, L.E. and S.J. Beaupre. 2010. Effects of large scale habitat manipulation on body condition in Timber rattlesnakes (*Crotalus horridus*). American Society of Ichthyologists and Herpetologists. Annual meeting, Providence, RI 7-12 July, 2010.
- Beaupre, S.J. 2010. Long-Term Studies Of Field Metabolic Rate In Timber Rattlesnakes: Annual Variation, Critical Factors, and Implications for Bioenergetic Studies. Society of Integrative and Comparative Biology, Annual Meeting 2010, Seattle, WA. January 3-7, 2010.
- Beaupre, S. J. and F. Zaidan, III. 2009. On Estimating the Cost of Growth in Timber Rattlesnakes (*Crotalus horridus*): Feeding Trials, Field Metabolism, and the Role of SDA. American Society of Ichthyologists and Herpetologists. Annual meeting, Portland, OR 22 - 27 July, 2009.
- Beaupre, S. J. 2008. Food as a conservation tool: Lessons from the physiological ecology of rattlesnakes. American Society of Ichthyologists and Herpetologists. Montreal, Qub, 23 July 29 July, 2008.
- Beaupre, S.J. 2007. Long-term studies of field metabolic rate in Timber rattlesnakes (*Crotalus horridus*): Annual variation, critical factors, and implications for bioenergetic studies. American Society of Ichthyologists and Herpetologists. Annual meeting, St Louis MO, 11 July - 16 July, 2007
- Agugliaro, J. and S. J. Beaupre. 2007. A comparison of metabolic rates before and after first ecdysis in timber rattlesnakes (*Crotalus horridus*) American Society of Ichthyologists and Herpetologists. Annual meeting, St Louis MO, 11 July - 16 July, 2007.
- Douglas, L, Roberts, K. and Beaupre S. J. 2007. Habitat selection by timber rattlesnakes in Northwest Arkansas. American Society of Ichthyologists and Herpetologists. Annual meeting, St Louis MO, 11 July - 16 July, 2007.
- VanDyke, J., Plummer, M. and Beaupre, S.J. 2007. Effects of yolkectomy on metabolism and growth of neonate smooth softshell turtles (*Apalone mutica*) from central Arkansas. American Society of Ichthyologists and Herpetologists. Annual meeting, St Louis MO, 11 July - 16 July, 2007.
- Beaupre, S. J. 2006. On the estimation of body condition in snakes: statistical and theoretical pitfalls. American Society of Ichthyologists and Herpetologists. Annual meeting, New Orleans, LA 13 July - 18 July, 2006.
- VanDyke, J. U. R. and S. J. Beaupre 2006. Embryonic and hatchling metabolism of smooth softshell turtles (*Apalone mutica*) American Society of Ichthyologists and Herpetologists. Annual meeting, New Orleans, LA 13 July - 18 July, 2006.
- Monteiro, C. and S. J. Beaupre 2006. Bioenergetics of female timber rattlesnakes (*Crotalus horridus*, Serpentes, Viperidae). American Society of Ichthyologists and Herpetologists. Annual meeting, New Orleans, LA 13 July - 18 July, 2006.
- Beaupre, S. J. 2005. Long-term responses of timber rattlesnakes (*Crotalus horridus*) to food augmentation. American Society of Ichthyologists and Herpetologists. Annual meeting, Tampa, FL 5 July - 12 July, 2005.
- Beaupre, S. J., W. Thompson, and B. Collier. 2004. Factors affecting survival rates of radio tagged Timber Rattlesnakes (*Crotalus horridus*) in Northwest Arkansas. American Society of Ichthyologists and Herpetologists, annual meeting. Norman Oklahoma, May 31, 2004.

S. J. Beaupre

OTHER PRESENTATIONS: (Continued)

- Montgomery, C.E. and S. J. Beaupre. 2004. Energy allocation in relation to foraging mode. American Society of Ichthyologists and Herpetologists, annual meeting. Norman Oklahoma, May 31, 2004.
- Beaupre, S. J. 2004. On the representation and analysis of specific dynamic action (SDA). Society of Integrative and Comparative Biology, annual meeting. New Orleans, LA January 5-9 2004.
- Beaupre, S. J. 2003. On the representation and analysis of specific dynamic action (SDA). American Society of Ichthyologists and Herpetologists, annual meeting. Manaus, Brazil June 26, 2003.
- Montgomery, C. E. and S. J. Beaupre. 2003. Ecology and natural history of the copperhead, *Agkistrodon contortrix* in northwest Arkansas. American Society of Ichthyologists and Herpetologists, annual meeting. Manaus, Brazil June 26- July 1 2003.
- Beaupre, S. J. 2002. Annual variation in body temperatures of the Timber Rattlesnake (*Crotalus horridus*) as measured with a Lotek data logging receiver. American Society of Ichthyologists and Herpetologists, annual meeting. Kansas City, KS July 3-8 2002.
- Parker, M.R. and S. J. Beaupre. 2002. Timber Rattlesnakes (*Crotalus horridus*) use aerial cues in post-strike trailing. American Society of Ichthyologists and Herpetologists, annual meeting. Kansas City, KS July 3-8 2002.
- Beaupre, S.J., Duvall, D. and Congdon, J. D. 2002. An analysis of proximate bioenergetic sources of sexual size dimorphism (SSD) in the Western Diamond-backed Rattlesnake. Current Research on the Herpetofauna of the Sonoran Desert II. April 5-7, 2002, Tucson AZ.
- Browning, D.M., Beaupre S.J. and Duvall, D. 2002. Home range estimates for Western Diamond-backed Rattlesnakes: the effects of sex and size. Current Research on the Herpetofauna of the Sonoran Desert II. April 5-7, 2002, Tucson AZ.
- Beaupre, S. J. 2001. Effects of food supplementation on time-energy allocation in free-ranging timber rattlesnakes (*Crotalus horridus*). Annual Meeting of American Society of Ichthyologists and Herpetologists, College Park, PA July 2001.
- Zaidan, F, S.J. Beaupre 2001. Specific dynamic action (SDA) in timber rattlesnakes (*Crotalus horridus*). Annual Meeting of American Society of Ichthyologists and Herpetologists, College Park, PA July 2001.
- Beaupre, S. J. 2000. On the metabolic cost of pregnancy, and reproductive effort in timber rattlesnakes (*Crotalus horridus*) in northwest Arkansas. Annual Meeting of American Society of Ichthyologists and Herpetologists, La Paz, B.C.S., Mexico, June 2000.
- Beaupre, S. J. 1999. A dynamic energy budget simulation of generic *Crotalus*: Implications for growth and reproduction. Annual Meeting of ASIH, Happy Valley, PA June 1999.
- Wills, C. A. and S. J. Beaupre. 1999. An application of randomization for detecting thermoregulation in timber rattlesnakes (*Crotalus horridus*) from northwest Arkansas. Annual Meeting of American Society of Ichthyologists and Herpetologists, Happy Valley, PA June 1999.
- Zaidan, F. and S. J. Beaupre. 1999. The effects of body temperature on energy extraction and allocation in timber rattlesnakes (*Crotalus horridus*). Annual Meeting of American Society of Ichthyologists and Herpetologists, Happy Valley, PA June 1999.
- Beaupre, S. J. 1998. Time-energy allocation in timber rattlesnakes (*Crotalus horridus*): effects of annual variation in foraging success. ASIH, Annual Meeting July, 1998 Guelph, Ontario.
- Beaupre, S. J. 1997. Energy expenditure of free-ranging timber rattlesnakes (*Crotalus horridus*) in Northwest Arkansas. American Society of Ichthyologists and Herpetologists, Annual Meeting June, 1997 Seattle, WA.
- Hill, J. G. and S. J. Beaupre. 1997. Evaluation of two non-invasive techniques to estimate total body fat in copperheads, *Agkistrodon contortrix*. American Society of Ichthyologists and Herpetologists, Annual Meeting June, 1997 Seattle, WA.
- Roberts, K. G. and S. J. Beaupre. 1997. Habitat use in a Northwest Arkansas population of the timber rattlesnake (*Crotalus horridus*), with comments on arboreality. American Society of Ichthyologists and Herpetologists, Annual Meeting June, 1997 Seattle, WA.

S. J. Beaupre

OTHER PRESENTATIONS: (Continued)

- Beaupre, S. J., D. Duvall, and J. O'Leile. 1996. Analysis of growth and sexual size dimorphism in the western diamondback rattlesnake (*Crotalus atrox*) from central Arizona. American Society of Ichthyologists and Herpetologists, June, 1996 New Orleans, LA.
- Beaupre, S. J. 1994. Sex differences in inactive metabolism: Implications for sexual size dimorphism. American Society of Zoologists, St. Louis.
- Beaupre, S.J. 1993. Field metabolic rates and annual energy budgets of mottled rock rattlesnakes from two populations: implications for body size. Am. Soc. of Zool., Los Angeles.
- Beaupre, S.J. 1993. Variation in body temperatures of mottled rock rattlesnakes from two populations: implications for body size. Ecological Society of America, Madison, WI.
- Beaupre, S.J. 1993. Thermal constraints on body temperatures of mottled rock rattlesnakes from two populations: implications for body size. American Society of Ichthyologists and Herpetologists, Austin, TX.
- Beaupre, S.J. 1992. Variation in oxygen consumption of desert rattlesnakes from two populations. American Society of Zoologists, Vancouver. Meeting Abstract: American Zoologist. 32(5):88A.

PROFESSIONAL SERVICE:

- Arkansas Game and Fish Commission, Commissioner, Ex Officio, July 2015 – August 2022
- Arkansas Game and Fish Commission, Chair, Research Committee, July 2015 – August 2022
- ASIH Board of Governors, Re-elected 2006 - 2021
- American Society of Ichthyologists and Herpetologists: Robert K. Johnson Service Award Committee. Member, 2015, 2061, Chair 2017.
- American Society of Ichthyologists and Herpetologists: President-elect (2011), President (2012), Past-President (2013), Prior-Past-President (2014).
- American Society of Ichthyologists and Herpetologists: Chair, Web Content and Management Committee. 2013-2015.
- American Society of Ichthyologists and Herpetologists: Member, Executive Committee.
- Member, Steering Committee. Viper Specialist Group: A network of scientists and conservationists using our collective expertise to conserve the world's Vipers.
- American Society of Ichthyologists and Herpetologists: Co-Chair, Student Awards Committee. Minneapolis MN, July 6-11, 2011.
- ASIHs: Chair, Herpetological Honorary Foreign Member Committee. 2011
- NSF, Panel Member – Organism-Environment Interactions Panel Fall, 2007; 2008
- ASIH, Chairman Stoye and Storer Awards Committee, Annual meeting, New Orleans, LA 13 July - 18 July, 2006.
- ASIH, Discussion Panel Member, Graduate student workshop on teaching and course design. Annual meeting, New Orleans, LA. 13 July - 18 July, 2006.
- ASIH Board of Governors, 1998 – 2005.
- Program Reviewer: External reviewer for the University of Texas Pan American, HHMI undergraduate research program. 2-6 August, 2006.
- ASIH, Associate Editor, Copeia. Physiology and Physiological Ecology. Sp. 2002 – 2005.
- ASIH - Herpetological Animal Care and Use Committee - Chair, 1999 - 2004.
- ASIH, Fitch Award Committee, Chair, 2002
- Board of Directors, Ozark Natural Science Center, 1997 - 2005
- NSF, Panel Member - Ecological and Evolutionary Physiology Fall, 1998; Spring 2001.
- Associate Editor, Herpetological Natural History, Fall 1995 - Spring 2002.
- Student Competition Judge, American Society of Ichthyologists and Herpetologists, Stoye Award Competition. Annual meetings 1996, 1997, 2005

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PROFESSIONAL SERVICE: (continued)

Article Referee, for Physiological Zoology, Functional Ecology, J. Herpetology, Copeia, J. Exptl Biology, American Midland Naturalist, Comparative Biochemistry and Physiology, Behav. Ecol. and Sociobiology, Herpetologica, Oecologia, American Zoologist, American Naturalist. BioScience, Herp. Review. Herpetological Natural History, Texas Journal of Science.

Proposal Review, NSF, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009

Conference Organizer, Snake Ecology 2000. Held September 22 - 24, 2000 at the Ozark Natural Science Center, with approximately 100 participants from around the world (Europe, Asia, North, South and Central America).

ASIH - Resolutions Committee, Chair, Annual Meeting, La Paz, B.C.S. Mexico 2000.

Herpetologist's League - Committee for study of electronic publishing. 1999 - 2002.

ASIH Student Awards Competition Chair, Guelph, Ontario 1998 meeting.

Student Competition Judge, Society of Integrative and Comparative Biology, Best Student Paper Award Competition. Annual meetings December 1996.

Nominating Committee, Society for the Study of Amphibians and Reptiles, 1995, 1996, 1997.

Graduate Student / Postdoctoral Affairs Committee Representative, ASZ, 1994-1996.

DEPARTMENTAL AND UNIVERSITY SERVICE:

UA Biological Sciences Personnel Committee Spring-Fall 2024

UA Biological Sciences DEI Committee (Member) Fall 2022 – Present

USGS Coop Leader Search Committee (Member) 2023

Associate Dean, UA Fulbright College of Arts and Sciences, July 1, 2016 – Aug 2022.

Chair, 5-Year Review Committee for UA Dean Kim Needy, Graduate School and International Education. Conducted campus-wide survey, collated responses, drafted committee report to Provost Jim Coleman (n=4 meetings).

Director, University of Arkansas Stable Isotope Laboratory, Summer 2002 – Aug 2022.

Chair, UA Biological Sciences. July 1 2012 –2016.

UA Reaccreditation Steering Committee – Quality Initiative Proposal Member, 2013-2014.

UA Research Space Committee, Member 2013-2014.

Search Committee, Chair, Ecologist, UA Biological Sciences Fall 2011 - present

Search Committee, member, UA Vertebrate Biologist. Biological Sciences, 2009-2010.

Vice Chair, UA Biological Sciences August 2008 – July 2012. Assumption of duties and responsibilities associated with Budget Approvals, Departmental Security, daily departmental management activities, Acting Chair in the absence of Chair BISC, organization and assignment of teaching assistants, updating and determining faculty teaching assignments, ex-officio on the Departmental Curriculum Committee.

Search Committee, Chairman, UA Global Change Biology Endowed Chair Search Committee. Department of Biological Sciences, UA, Fall 2006 - 2010

Post Hoc Advisory Committee on UA Chair BISC Spring 2008: Appointed by Dean Bobbitt to study options for the appointment of Chair Biological Sciences.

UA Arkansas Alumni Association, Selection Committee for Teaching, Research and Service Awards, and the Charles and Nadine Baum Faculty Teaching Award.

Director, UA NSF-EPSCoR Outreach Program, Summer 2004, 2005, 2006. Over saw the logistics of bringing 10 students and 3 faculty to the UA from NSU in Tahlequah, OK and from UAPB, in Pine Bluff, AR for summer research experience. Multiple recruiting trips to UAPB and NSU.

Search Committee, Chairman, University of Arkansas Stable Isotope Laboratory Manager Search Committee. Department of Biological Sciences, UA, Fall 2006 - In progress.

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DEPARTMENTAL AND UNIVERSITY SERVICE: (Continued)

Strategic Planning Committee, UA Fulbright College of Arts and Sciences, 2006
UA Walmart Sustainable Enterprise Task Force, Member, 2006
RSSP Advisory Committee University of Arkansas, Fayetteville, 2006.
Planning and Chair's Advisory Committee, Departmental Strategic Planning. Fall 2001 - 2025
Search Committee, member, UA Ecology Search Committee. Department of Biological Sciences, UA, Fall 2004
Inventory Committee, Department of Biological Sciences, UA (Summer 2004)
Facilities Committee: Chair, Spring 2004.
Personnel Committee (elected), BISC, UA (96, 97, 98, 99, 00 01, 02, 03, 04, 06, 07)
State EPSCoR Meeting, Presentation: University of Arkansas Summer Outreach Research Fellowship Program in the Life Sciences. September 6, 2006, Little Rock, AR.
INBRE, Featured Speaker, and UA Workshop coordinator, February 25, 2006.
Departmental Committee on Promotion and Tenure: (elected) 2004, 2006, 2007, 2008, 2009
Chair of BISC Search Committee, Chair, coordinated committee activities and discussion of the future of the BISC Chair position. Spring 2004.
Graduate Studies Committee, Chair, coordinating graduate admissions and evaluations. Fall 2002 -Summer 2003.
Faculty Adviser, Biology Graduate Student Association (Spring, Fall 1999, Fall 2003- 2006)
Faculty Adviser, University of Arkansas, Intramural Kendo Club (Spring 1998 - Summer 2003)
Statistics Consulting, Department of Biological Sciences, University of Arkansas (1995 - Pres.)
Facilities Committee: Fall 2002 - Summer 2004.
Search Committee Chair, University of Arkansas Stable Isotope Laboratory (UASIL), Lab Manager. Summer 2002 -Summer 2003
Institutional Animal Care and Use Committee Member of IRB, Spring 2002 - Spring 2003.
Search Committee, member, Department of Biological Sciences, UA, Evo-Devo (2003-04)
Search Committee, Chair, Department of Biological Sciences, UA, Evo-Devo (2002-04)
Space Committee, Ferritor Building logistics, Summer 2000.
Search Committee, Department of Biological Sciences, UA, Assistant Coop Leader (Fall 2000)
Logistical Revision of Principles of Biology, Committee Chair, Fall 1999.
Search Committee, Department of Biological Sciences, UA, Animal Cell Physiologist (1998)
Search Committee, Department of Biological Sciences, UA, Assistant Coop Leader (Fall 1999)
Search Committee, Department of Biological Sciences, UA, UASIL, Lab Manager (Fall 1999)
Computing Committee, Department of Biological Sciences, University of Arkansas (1997-2002)
Inventory Committee, Department of Biological Sciences, University of Arkansas (1997-Sp 03)
Seminar Committee, Department of Biological Sciences, University of Arkansas (1996-Sp 1998)
Faculty Secretary, Department of Biological Sciences, University of Arkansas (1995 - 1996)
Statistics Consultant, Department of Life Sciences, ASU West (1994).
Tenure Ineligible Faculty Committee, Department of Life Sciences, ASU West (1994).
Computing Consultant, Department of Biology, U. of PA (1993).
Representative to Graduate Student Association Committee, U. of PA (1991).
Vice President, U. of PA Biology Graduate Student Association (1990 - 1991).
Social Chairman, U. of PA Biology Graduate Student Association (1988 - 1989).

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MEDIA AND COMMUNITY OUTREACH:

News Interview: “Animals’ Response to Eclipse” Arkansas Democrat Gazette, March 25, 2024.

Public Presentation: Ozark Natural Science Center AEGIS Summer Science Program:

Snake Talk and walk. July 2023. Audience: 30 Highschool students.

Interview for “Call of the Wild” Radio Show by Steve “Wildman” Wilson on Snake Science and AGFC plans for habitat manipulation/improvement. Aired several times over several radio stations in the state. May 11, 2022

Public Presentation: Ozark Natural Science Center AEGIS Summer Science Program:

Snake Talk and walk. July 2022. Audience: 30 Highschool students.

Public Presentation: Ozark Natural Science Center AEGIS Summer Science Program:

Snake Talk and walk. July 2021. Audience: 30 Highschool students.

Public Presentation: Hobbs State Park-Conservation Area. Venomous Snakes of Arkansas. S.J. Beaupre. November 4, 2018. Attendance was over 135 people at this exciting event.

Radio Interview by Big Ed Javorski, with “Big Ed Outdoors” All about Arkansas’ Abundant Snakes this Spring. Northwest Arkansas KAKS/KUOA ESPN 99.5FM & 1290AM. Saturday, June 2, 2018. 30 Min.

Radio Interview by Big Ed Javorski, with “Big Ed Outdoors” All about Arkansas’ Venomous Snakes. Northwest Arkansas KAKS/KUOA ESPN 99.5FM & 1290AM. Saturday August 26, 2017. 30 Min.

Interview by Elizabeth Palmero of LiveScience.Com, for the article: “Can a severed snake head still kill? It’s Possible.” August 30, 2014.

Interview by Buddy Gough, The Arkansas Democrat Gazette which turned into a large article on the Arkansas Timber Rattlesnake, published in August 2014.

Safety Training: Fayetteville Animal Shelter. Snake Identification and Safety. June 27, 2011.

Arkansas 180, Rattled About the Environment. Video produced by University of Arkansas

Public Relations. Available at: http://www.youtube.com/watch?v=q-mNOdz_Q3Q

Ozark Audubon Society, Joplin, MO, Special presentation: Understanding the effects of environmental change on the Timber Rattlesnake (*Crotalus horridus*). May 21, 2009.

Northwest Arkansas Emergency Preparedness Fair: Booth on Venomous Snakes and Snakebite. September 11th, 2009, Rogers AR.

National Society of Collegiate Scholars (NSCS). Annual initiation/banquet meeting. Keynote Address: “How to succeed on the long and winding academic road”. October 6th, 2009.

Ozark Natural Science Center: Program for visiting high school environmental group.

“Venomous snakes of Arkansas, and why they matter”. November 15, 2009.

Safety Meeting for City of Fayetteville Transportation Department, 18 June, 2008

Interview: Melissa Blouin, University Relations, March 12, 2007

Interview / resource person for Trail Runner Magazine, Answered questions and provided resource materials for an article on Venomous snake hazards.

Workshop on Venomous Snakes of Arkansas: “Clean out, Clean up and Green up” Washington County Extension Service, Environmental Affairs Office. Displayed animals and answered questions from the public for four hours, Saturday May 5, 2007.

Safety Meeting, Fayetteville Parks and Recreation. Venomous Snakes of Northwest Arkansas. May 23, 2007.

Staff Training: Ozark Natural Science Center. Current snake research at the ONSC, with comments on safety. Presentation to ONSC Staff, August 30, 2007.

News Article: Snake Safety. Arkansas Family Magazine. February 17, 2006.

University Day: Day-long special activities for visiting K-12 students: Two Workshops:

Venomous Animals of Arkansas, and Electric Fish. February 17, 2006.

Safety Presentation: Pitvipers of Arkansas. Southwest Electric Power Company (SWEPCO), Feb 13, 2006.

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MEDIA AND COMMUNITY OUTREACH: (Continued)

- News Article: "Snakes Rattle and Roll: Program offers close, safe encounter with reptiles." The Morning News, Outdoors, Friday July 29, 2005.
- News Article: "Snakes Alive." The Northwest Arkansas Times. July 9, 2005.
- Public Presentation: Arkansas Pit Vipers. Fayetteville Farmer's Market, July 23, 2005.
- NWA Regional Science Fair Judge, Spring 2005.
- Fayetteville Parks and Recreation, Safety Meeting - "Venomous snake identification and safety". Informational presentation for Fayetteville Parks and Recreation personnel. 23 Jul. 2004.
- Judge, NWA Science and Engineering Fair, March 13, 2009
- University Days: Faculty participant for "Biology of Arkansas Pit Vipers". February, 2008.
- Judge, NWA Science and Engineering Fair, March 14, 2008
- Ozark Natural Science Center, Project Wet and Wild presentation "The Biology of Rattlesnakes" June 11, 2004
- Arkansas Academy for Math and Sciences, "The Biology of Rattlesnakes" June 30, 2004.
- Board of Directors, Ozark Natural Science Center, 1997 - Fall 2004.
- Co-Chair of ONSC Facilities and Grounds Committee, 1999 - 2003.
- Jason Project Featured Scientist Presentation to K-12 teachers and students on the importance and relevance of scientific research. February 6 & 8, 2003.
- Public Presentation: Venomous snakes of the Ozarks. Fayetteville Rotary Club business meeting, May 15, 2003. Fayetteville, AR
- Ozark Natural Science Center, Project Wet and Wild "The Biology of Rattlesnakes" June 13, 03
- University Day: Day-long special activities for visiting K-12 students: Venomous Animals of Arkansas, February 21, 2002. Keynote speaker for lunch.
- Science Fair Judges Panel: Discussed strategies for making good Science Fair projects with K-12 teachers. October 3, 2003.
- Arkansas Great Snake Outing: Sponsored by Arkansas Game and Fish Commission. Media information event, September 4 & 5, 2002. 5 Newspaper articles, and news programs:
 AETN (Arkansas Educational Television Network) Arkansas Outdoors
 KYTV Springfield, MO 6:00 PM News 4 September, 2002
 KTHV Little Rock, AR 10:00 PM News 5 September, 2002
 KHBS Ft. Smith, AR 6:00 PM News, 5 September, 2002
 KAIT Jonesboro, AR 6:00 PM Newsw, 5 September, 2002
 KHBS Ft. Smith, AR Sunrise News, 6 September, 2002
 WREG Memphis, TN Mid-South Outdoors 24 September, 2002
 WREG Memphis, TN 9:00 AM News 27 September, 2002
- Public Presentation: Venomous snakes of the Ozarks. Fayetteville Lions Club business meeting, November 20, 2002. Fayetteville, AR
- Public Presentation: Venomous snakes of the Ozarks. Keynote Speaker, Ozark Society annual business meeting, October 5, 2002. Mount Nebo, AR
- Jason Project Featured Scientist Presentation to K-12 teachers on the importance and relevance of research on reptiles. September 7, 2002.
- Ozark Natural Science Center, Project Wet and Wild presentation "The Biology of Rattlesnakes" June 14, 2002
- Expert Witness: Testimony on snake safety and handling, Lawrence, KS, Spring - Summer 2002.
- University Day: Day-long special activities for visiting K-12 students: Venomous Animals of Arkansas, February 15, 2002.
- Public Presentation: Venomous snakes of the Ozarks. An ONSC Special Seminar, Giffels Auditorium, University of Arkansas, January 22, 2002
- Ozark Natural Science Center, Rattlesnake Walks: Upward Bound, Arkansas Math and Sciences Academy, and Junior Naturalist's Summer Camp. July 15, 2001.

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MEDIA AND COMMUNITY OUTREACH: (Continued)

Ozark Natural Science Center, Project Wet and Wild "The Biology of Rattlesnakes" July 12, 2001

Discovery Channel Documentary on North American Venomous Snakes, Filmed August 2000, aired Fall 2001: Four days of filming and audio.

Ozark Natural Science Center, Elderhostel field trip "Pitvipers of the Ozarks" October 18, 2000.

Ozark Natural Science Center, Rattlesnake Walks: Upward Bound, Arkansas Math and Sciences Academy, and Junior Naturalist's Summer Camp. July 6, 2000.

Ozark Natural Science Center, Project Wet n Wild "The Biology of Rattlesnakes" July 10, 2000

Ozark Natural Science Center, Elderhostel field trip "Pitvipers of the Ozarks" May 24, 2000.

Public Presentation: The Biology of Pit Vipers. Bella Vista Dakota Club. April 24, 2000

News Article: Reluctant rattlers: research on the timber rattlesnake focuses on the private lives of shy, elusive reptiles. Arkansas Democrat Gazette, Thursday May 11, 2000.

News Interview: Snake Risk in Northwest Arkansas. Channel 40/29, Aired 14 April, 2000

Public Presentation: The Relevance of Rattlesnake Research. Rogers Rotary Club, 14 March, 2000

Public Presentation: The Biology of Pit Vipers. Boy Scouts of America. Sequoia Methodist Church, 6 Dec, 1999

Public Presentation: The Biology of Pit Vipers. Bella Vista Garden Club. 27 October, 1999

Public Presentation: Public Risk From Pit Vipers. SWEPCO Safety Meeting, July 27, 1999 Fayetteville, AR

News Articles (3): Morning News, Springdale, AR "No fear, just healthy respect", "Project wet and wild educates students through experience" and "Beaupre's childhood fascination led to enjoyable rewarding career". By Kandra Porter, July 24, 1999.

News Article, Arkansas Times, "Rattlers On the Move, Snake Doctor Says." by Michael Haddington, July 23, 1999 Little Rock, AR.

Radio Interview, KIX 104, Fayetteville, AR "Biology of Rattlesnakes"

Ozark Natural Science Center, Project Wet and Wild presentation "The Biology of Rattlesnakes" July 12, 1999

News Article "High profile rattlesnakes get bad rap" by Melissa Blouin, API July 8, 1999.

Television Interview: Channel 40/29, interview regarding public risk from snake bite. Aired approximately June, 5 1999.

Public Presentation: Public Risk From Pit Vipers. City of Fayetteville, Parks and Recreation, Safety Meeting, May 27, 1999

Ozark Natural Science Center, Elderhostel talk and field trip "Pitvipers of the Ozarks" 5/26/99.

Documentary Filming: Yorkshire TV, Filmed documentary on timber rattlesnake research, to be aired on Discovery Channel, Winter 1999-2000 May 15-16, 1999.

Public Presentation: The Biology of Arkansas Pit Vipers, USFS, Safety Meeting. 13 May, 1999

Public Presentation: The Biology of Pit Vipers. Bella Vista Fly Tyers. 8 April, 1999

Ozark Natural Science Center Journal: Authored an article in Summer 1998 ONSC Journal entitled: National Science Foundation Funds University Research at ONSC.

Regional Newspapers: Authored a popular science article entitled "The secret life of Timber Rattlesnakes" that was run in several NW Arkansas news papers including the Benton County Daily Record. Late summer, 1998.

Ozark Natural Science Center, Elderhostel presentation and field trip "Pitvipers of the Ozarks" July 15 and October 22, 1997; July 25 1998. October 23, 1998

ONSC, Project Wet and Wild "The Biology of Rattlesnakes" Presentation. July 28, 1998.

First United Methodist Church, Springdale, Invited Presentation "Biology of Arkansas Pitvipers" April 7, 1998.

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MEDIA AND COMMUNITY OUTREACH: (Continued)

University Museum, Special Presentation: "Biology of Arkansas Pitvipers" April 4, 1998.
NWAR Science and Engineering Fair, Keynote, "Biology of Arkansas Pitvipers" 3/13/98.
Ozark Natural Science Center, Riparian Ecosystem Workshop presentation "The Biology of Rattlesnakes" Sponsored by Arkansas Game and Fish Commission. September 27, 1997.
Ozark Natural Science Center, Project Wet and Wild presentation "The Biology of Rattlesnakes" July 19, 1997.
Phi Kappa Phi, Keynote Presentation, "Pitvipers of the Ozarks" May 1, 1997
Sigma-Xi, Invited public talk. "Natural History and Physiological Ecology of Ozark Pit Vipers. September 13, 1996.
Northwest Arkansas Times, Human Interest Article "Update on that Tree Climbing Timber Rattlesnake" by Steve Wright August 29, 1996.
KFSM TV ch. 5, Fayetteville, AR - news interview. Escaped Burmese Python. Summer 1996.
Ozark Natural Science Center, Project Wet and Wild presentation "The Biology of Rattlesnakes" July 30, 1996.
Northwest Arkansas Times, Human Interest Article "One More Look at Hysteria Caused by Rattlesnakes" by Steve Wright June 16, 1996.
Northwest Arkansas Times, Human Interest Article "Making the Effort to Live in Peace with Rattlesnakes", "Tree Climbing Brings New Meaning to Name Timber Rattlesnake", and "Timber Rattlesnakes Protected in Some States" by Steve Wright June 9, 1996.
Northwest Arkansas Audubon Society, Public presentation "The Biology of Rattlesnakes" Mar. 14, 1996
Ozark Natural Science Center, Public presentation "The Biology of Rattlesnakes" Nov. 11, 1995.
Northwest Arkansas Times, Human interest articles "Looking For Snakes in all the Right Places" and "Snakes Moving to Dens" by Steve Wright, Published 24 September, 1995.
BBC Consultant, Nature documentary series, "Animal Migrations" aired in 1997.
Scientific American Frontiers "Ask the Scientist", Internet public education interface 10/1995.
Scientific American Frontiers PBS, Documentary. "Science in the West" aired October 4, 1995.
KNXV TV ch 15, Phoenix, AZ - news interview. Post-fire status of the western diamondback. 12 August, 1995.
KJZZ NPR, Phoenix AZ - news interview. Post-fire status of the western diamondback. 15/10/95.
KTAR News Radio, Phoenix, AZ - news interview. Effects of wildfire on western diamondback rattlesnakes. 18 July, 1995.
KSAZ TV ch 10, Phoenix, AZ - news interview. Effects of wildfire on western diamondback rattlesnakes. 11 July, 1995.
KSAZ TV ch 10, Phoenix, AZ - news interview. Rattlesnake Spring emergence. 23 Mar. 1995.

TEACHING EXPERIENCE:

Professor, University of Arkansas (July 2006- present)
Associate Professor University of Arkansas (July 2001- June 2006)
Assistant Professor, University of Arkansas (1995-2000),
 Classes offered:

Study Abroad: Ecology and Peoples of Tanzania, Summer 2015.
 Principles of Biology (Sp. 01, Sp. 02)
 General Zoology, (Sp. 00, Fa 23, Fa 24)
 Human Physiology, (Sp. 96, Sp. 97, Sp. 98, Fa. 98)
 Comparative Animal Physiology, (Fa. 96, Fa. 97, Fa. 98, Fa. 99, Fa. 00, Fa. 01, Fa. 02, Fa 03, Fa 04, Fa. 05, Fa. 06, Fa. 08, Fa. 09, Fa 10, Fa 11, Fa 12)
 Animal Physiological Ecology, (Sp. 97, Sp. 99, Sp. 01, Sp 03, Sp 05, Sp 07, Sp 09, Sp

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11, Sp 17, Sp 19, Fa 20, Sp 22, Sp 23, Sp 24)

Herpetology (Sp. 02, Sp. 04, Sp. 06, Sp. 08 Sp.10, Sp. 12)

Graduate Seminar in Biotic Interactions and Global Change, (Sp. 96)

Graduate Seminar in Statistical Applications in Ecology and Evolution. (Sp. 99)

Lecturer, Arizona State University West (1994), Biometry

Lecturer, University of Pennsylvania, College of General Studies (1993), Human Biology

Teaching Assistant, University of Pennsylvania (1987-1991), Introductory Biology, Honors

Introductory Biology, Probability and Statistics for Biologists, Evolution.

Co-instructor, of "Ecology of Winter Environments," a Teton Science School mini-course

accredited through the University of Wyoming (1986-1988).

STUDENTS SUPERVISED:

Graduate Students Matriculated: Max Carnes-Mason (Ph.D. Summer 2023); Allison Litmer, (Ph.D. Summer 2023); Bannon Gallagher (M.S. Spring 2023); Jason Ortega (Ph.D. Spring 2022); Larry Kamees (Ph.D. Summer 2022); Casey Brewster (Ph.D. Fall 2019); Max Carnes-Mason (M.S. Fall 2019). Brenna Levine (Ph.D. Fall 2018 co-advised W/ Marlis Douglas); Craig Lind (Ph.D., Fall 2014); Matthew Smith (Ph.D., Fall 2012); Joseph Agugliaro (Ph.D. Summer, 2011); James Van Dyke (Ph.D. Fall 2010); Lara Douglas (Ph.D. Fall 2010); Rod Wittenberg (Ph.D. Fall 2009); Marshall McCue (Ph.D. Spring 2008); Carol Montiero (M.S. Fall 2006); Nick Haertle (M.S. Summer 2006); Jacques G. Hill, III (Ph.D. Spring. 2004); Chad Montgomery (Ph.D. Spring 2005); Melissa Pilgrim, (Ph.D. Spring 2005); Frederic Zaidan, (Ph.D. Fall 2001); Dawn Browning (M.S. Fall 2000); Douglas Meredith, (M.A., Spring 1999).

Undergraduate and Special Students: Morgan Pelley (Honors Research 2021-22), Jacob Sutherland (Undergraduate Research, 2018); Caylie Funk (Honors Research 2018); Caitlin Hirsh (Honors research 2015); Jill Guillelte (Honors research, 2015); Bannon Gallagher (Independent Study, 2013, 2014); Joseph Kordsmeier (Independent Study, 2013, 2014); Melayna Horne (Independent Study, 2013, 2014); Alex Baecher (Environmental Biology REU, Summer 2012); Seth Boone (Independent study, Sp. 2012); Christopher Peterson (Honors Student, Sp 2012), Adam McMahon (Independent study, Fall 2011) Dylan Jones (Summer 2011, independent study); Elise Geraghty (Honors Student, Spring 2009); Ashley Grimsley (Spring 2009, field assistant); Greg Davidson (Summer 2008, field assistant); Billy Sandell (Spring 2008, Lab Assistant); Kory Roberts (Arkansas STRIVE teacher, Summer 2006); Travis Lee, (EPSCoR Outreach, Summer 2006); Michael Mason (Arkansas STRIVE teacher, Summer 2005); Branden Williams (EPSCoR Outreach, Summer 2005); Sara Danzi (EPSCoR Outreach, Summer 2005); Robert Jadin (EPSCoR Outreach, Summer 2004); Julia Sonn (Honors Student, Summer 2004-05); Laura Thorne (Honors Student, Thesis Spring 2004); William Rosser (Arkansas STRIVE teacher, Summer 2003); Hamish Wilman (NSF-REU Student, Summer 2003); Lynne Gardner (Honors student, 2002); Alicia Morris (Honors student 2002); Stephanie Edwards (Honors student, 2002); Sarah Doege (Honors student, 2002); Rocky Parker (Honors student, Lab technician, NSF-REU Spring 2002); Derek A. Brooks (Lab technician, NSF-REU Summer 2001- 2002 continuing); Christie Burnett (field technician, NSF-REU, Summer 2000 Honors student Spring 2001); Logan Lackey (Fall 2000, Research student Spring 2001); Alan Udouj (Senior Thesis Fall 2000); Kevin McElroy (Senior Thesis, Fall 2000) Christie Duke (Independent Research, Summer 2000); Jeff Belk (Arkansas STRIVE teacher, Summer 1999); Nick Haertle (field technician, Senior Thesis, 2000); Mallory Smith (field technician, NSF-REU, Summer 1999); Daniel Brown (HHMI program, Summer 1999); Doug Allen (Senior Thesis, Spring 1999); Lori Berry (Senior Thesis, Spring 1999); Kory G. Roberts (Research Assistant, 1996-1999); Anthony Carmelli (Senior Thesis, Fall 1998); Allen Newberry (Undergraduate Research, Fall 1998); Christina Wills (Undergraduate Honors Research, UARK, Defense Date: April 16, 1998); Paul Edwards (Senior Thesis, Spring 1998); Michelle Caviness (Senior Thesis, Spring 1998); Tracy Johnson (Undergraduate Research, UARK, Spring 1998); David Young (Arkansas STRIVE teacher, Summer 1997); Jaymie Pennington, Senior Thesis Spring 1996; Bill Bieker, Senior Thesis, Spring 1996; William Ruby, Writing Req. Sp

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1997.

Employees: Robert Wu (Field technician, Summer 2000); Kevin B. Metcalf (Field tech, 1999).

REFERENCES:

Dr. Arthur E. Dunham. Professor Emeritus, Department of Biology. University of Pennsylvania, Philadelphia, PA 19104-6018. 215-898-4117. adunham@sas.upenn.edu

Dr. Peter Petraitis. Professor Emeritus, Department of Biology. University of Pennsylvania, Philadelphia, PA 19104-6018. 215-898-4207. ppetrait@sas.upenn.edu

Dr. Harry W. Greene, Professor and Curator, Department of Ecology and Evolutionary Biology Corson Hall, Cornell University, Ithaca, NY 14853-2701. 607-254-4265. hwg5@cornell.edu

Dr. Douglas D. Rhoads, University Professor, Department of Biological Sciences, University of Arkansas, 601 Science-Engineering Building, Fayetteville, AR 72701. 479-575-7396. drhoads@uark.edu

Dr. Todd G. Shields, Chancellor, Arkansas State University, P.O. Box 600, State University, AR 72467. 870-972-3030, Chancellor@AState.edu.

Dr. Calvin White, Provost. Arkansas State University, P.O. Box 600, State University, AR 72467. 870-972-XXXX, Provost@AState.edu.