

C U R R I C U L U M V I T A E

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EDUCATION

Ph.D., Biology, 2006. **University of New Mexico**, Albuquerque, NM.

Advisor: Dr. James H. Brown

Title: Temporal dynamics in the structure and composition of a desert rodent community

B.S., Biology, 1997, *magna cum laude*, **Boston College**, Chestnut Hill, MA.

RESEARCH AND PROFESSIONAL EXPERIENCE

Postdoctoral Research Associate. 2008-present. Understanding multimodality in animal size distributions. Department of Biology, Utah State University. Ethan P. White, P.I.

Visiting Research Associate. 2007-present. Department of Biology, Furman University.

Graduate Research Assistant. 2002-2006. Long-term monitoring and manipulation of a desert ecosystem. Department of Biology, University of New Mexico. James H. Brown, P.I.

Graduate Research Fellow. 2000-2005. National Science Foundation, University of New Mexico.

Research Assistant. 1999. Feeding strategies in bats of Papua New Guinea. E. R. Dumont, P.I.

Research Assistant. 1998. Growth, development, and histology of the calcar in the little brown bat, *Myotis lucifugus*. Rick A. Adams, P.I.

Research Assistant. 1997. Parental care in microhylid frogs in the Crater Mountain Wildlife Management Area, Wara Sera Research Station, Papua New Guinea. D. P. Bickford, P.I.

Curatorial Assistant. 1996-1997. Department of Mammalogy, Museum of Comparative Zoology, Harvard University, Cambridge, MA.

GRANTS AND AWARDS

National Science Foundation Graduate Research Fellowship. **2000-2005.** \$96,000

New Mexico Department of Game & Fish Share with Wildlife Grant. **2002.** \$4,500

Graduate Women in Science Eloise Gerry Fellowship. **2001.** \$3,000

Max McGraw Wildlife Foundation Grant. **2001.** \$1,000

GRANTS AND AWARDS CONTINUED

- University of New Mexico Research, Project, and Travel Grant. **2001**. \$833
- American Society of Mammalogists Grants-in-Aid. **2000**. \$1,000
- Student Research Allocations Grant, University of New Mexico. **1999, 2001**. \$600, \$1,040
- Grove Research Scholarship, University of New Mexico. **1999**. \$800
- Phi Beta Kappa. **1997**. Boston College.

PUBLICATIONS

- T. W. Perry, T. P. Newman (undergraduate), and **K. M. Thibault**. **In press**. Evaluating remote camera population estimates relative to aerial and ground surveys for desert bighorn sheep (*Ovis canadensis mexicana*) in New Mexico. *Southwestern Naturalist*.
- Ernest, S. K. M., J. H. Brown, **K. M. Thibault**, E. P. White, and J. R. Goheen. **2008**. Zero-sum dynamics, the niche, and metacommunities: a temporal perspective on community assembly. *American Naturalist*, 172:E257-E269.
- Thibault, K. M.**, and J. H. Brown. **2008**. Impact of an extreme climatic event on community assembly. *Proceedings of the National Academy of Sciences USA*, 105:3410-3415.
- Adams, R. A., and **K. M. Thibault**. **2006**. Temporal resource partitioning by bats at water holes. *Journal of Zoology*, 270:466-472.
- Thibault, K. M.**, E. P. White, and S. K. M. Ernest. **2004**. Temporal dynamics in the structure and composition of a desert rodent community. *Ecology*, 85:2649-2655.
- White, E. P., S. K. M. Ernest, and **K. M. Thibault**. **2004**. Tradeoffs in community properties through time in a desert rodent community. *American Naturalist*. 164:670-676.
- Adams, R. A., S. C. Pedersen, **K. M. Thibault**, J. Jadin, and B. Petru. **2003**. Calcium as a limiting resource to insectivorous bats: can water holes provide a supplemental mineral source? *Journal of Zoology*, 260: 189-194.
- Bonaccorso, F. J., J. R. Winkelmann, E. R. Dumont, and **K. M. Thibault**. **2002**. Home range of *Dobsonia minor* (Pteropodidae): a solitary, foliage-roosting fruit bat in Papua New Guinea. *Biotropica*, 34:127-135.
- Adams, R. A., and **K. M. Thibault**. **2000**. Ontogeny and evolution of the Chiropteran hindlimb: assessing phylogenetic trends. Pages 316-332 in *Ontogeny, Functional Ecology, and Evolution of bats*. R. A. Adams and S. C. Pedersen, eds. Cambridge: Cambridge University Press.
- Adams, R. A., and **K. M. Thibault**. **1999**. Growth, development, and histology of the calcar in the little brown bat, *Myotis lucifugus* (Vespertilionidae). *Acta Chiropterologica*, 1:215-221.

Adams, R. A., and **K. M. Thibault**. 1999. New record of the Brazilian free-tailed bat, *Tadarida brasiliensis* (Chiroptera: Molossidae) in Colorado. *Southwestern Naturalist*, 44(4):542-543.

MANUSCRIPTS

K. M. Thibault, E. P. White, A. H. Hurlbert, and S. K. M. Ernest. **In review**. Multimodality in the individual size distributions of bird communities. *American Naturalist*.

K. M. Thibault, S. K. M. Ernest, E. P. White, J. H. Brown, and J. R. Goheen. **Invited; in revision**. Long-term insights into consumer-resource dynamics in desert rodents. *Journal of Mammalogy*.

K. M. Thibault, S. K. M. Ernest, and J. H. Brown. **In review**. Redundant or complementary? Impact of a colonizing species on community structure and function. *Ecology*.

TEACHING EXPERIENCE

Instructor. 2007. Furman University's Wild Semester, Department of Biology. Co-professor for three courses: Ecology, Field Zoology, Natural Resource Management.

Instructor. 2007. African Ecology, Department of Biology, Furman University. Co-professor for a 3-week field course in South Africa.

Instructor. 2005. Furman's Wild Semester, Department of Biology, Furman University.

Guest Lecturer. 2005. Community Ecology (2 lectures). University of New Mexico.

Guest Lecturer. 2002. Biogeography (2 lectures). University of New Mexico.

Graduate Teaching Assistant. 2001. Flora of New Mexico. University of New Mexico.

Graduate Teaching Assistant. 2001. Introductory Biology. University of New Mexico.

Graduate Teaching Assistant. 2000. Human Anatomy & Physiology. University of New Mexico.

Graduate Teaching Assistant. 1999. Introductory Biology. University of New Mexico.

CONSERVATION AND MANAGEMENT EXPERIENCE

Principal Investigator. 2007-present. Diversity and maternity roost selection of bats of the Kirtland Air Force Base, New Mexico.

Principal Investigator. 2007. Diversity and abundance of bats of the proposed Texas Hills Wind Turbine site, New Mexico.

Principal Investigator. 2001-2007. Diversity and maternity roost selection of bats of the Bureau of Land Management Socorro Resource Area, New Mexico.

Research Assistant. 2000. Bat diversity and maternity roost survey of the Bureau of Land Management Socorro & Albuquerque Resource Areas, New Mexico. Travis W. Perry, P.I.

Research Assistant. 1996-1999. Distribution and ecology of bats of Boulder County. City of Boulder Open Space, Boulder, Colorado. Rick A. Adams, P.I.

Research Assistant. 1998. Ecology of bats in Fiordland National Park, New Zealand. Department of Conservation, Christchurch. Colin F. O'Donnell and Jane Sedgely, P.I.s

PRESENTATIONS

Invited speaker for symposium, *Environmental change and small rodent ecology*. 2009.

International Mammalogical Congress, Mendoza, Argentina.

Thibault, K.M., S.K.M. Ernest. 2008. Ecological Society of America, Milwaukee, WI.

Thibault, K.M., S.K.M. Ernest. 2007. American Society of Mammalogists, Albuquerque, NM.

Ernest, S.K.M., J.H. Brown, **K.M. Thibault**, J.R. Goheen, E.P. White. 2007. ASM, Albuquerque.

Ernest, S.K.M., J.H. Brown, **K.M. Thibault**, J.R. Goheen, E.P. White. 2006. ESA, Memphis, TN.

Thibault, K.M., E.P. White, S.K.M. Ernest. 2004. Ecological Society of America, Portland, OR.

Thibault, K.M., J.H. Brown. 2004. American Society of Mammalogists, Arcata, CA.

Thibault, K.M. 2001. American Society of Mammalogists, Missoula, MT.

Thibault, K.M. 2001. North American Symposium on Bat Research, Victoria, BC.

Thibault, K.M. 2000. North American Symposium on Bat Research, Miami, FL.

Adams, R.A., **K.M. Thibault**, B. Petru. 1999. North Amer. Symp. Bat Research, Madison, WI.

Thibault, K.M., and R.A. Adams. 1998. North Amer. Symp. Bat Research, Hot Springs, AR.

Adams, R.A., and **K.M. Thibault**. 1998. North Amer. Symp. Bat Research, Bloomington, IL.

Thibault, K.M., and R.A. Adams. 1996. North Amer. Symp. Bat Research, Bloomington, IL.

SOCIETY AFFILIATIONS AND SERVICE

Ecological Society of America

American Society of Mammalogists

Reviewer: *Ecology Letters*, *Ecology*, *Western North American Naturalist*, *Basic and Applied Dryland Research*, *Museum of Southwestern Biology Publication Series*

Undergraduate thesis advisees (Furman University): Carol Jane Roberson (2005), Annette Trierweiler (2005), Megan Pitman (2006), Thomas Newman (2007), Timothy Ritter (2007), Suellen Jacob (2008)

Mammalogist Faculty Search Committee, University of New Mexico (2003)

University of New Mexico Biology Graduate Student Association President (2000-2002)

REFERENCES

James H. Brown, Ph.D. Distinguished Professor, University of New Mexico.

S. K. Morgan Ernest, Ph.D. Assistant Professor, Utah State University.

Ethan P. White, Ph.D. Assistant Professor, Utah State University.

Stephen H. Jenkins, Ph.D. Professor, University of Nevada Reno.

Blair O. Wolf, Ph.D. Associate Professor, University of New Mexico.