

**CURRICULUM VITAE****Dr. Nancy E. McIntyre**

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**EDUCATION**

**Postdoctoral research**, Urban ecology, Central Arizona-Phoenix Long-Term Ecological Research project, Arizona State University, 1998-2000  
Advisors: Drs. Nancy B. Grimm and Charles A. Redman

**Ph.D.**, Ecology, Colorado State University, 1998  
Advisor: Dr. John A. Wiens (currently Chief Conservation Science Officer with PRBO Conservation Science)  
Dissertation title: Landscape heterogeneity at multiple scales: effects on movement patterns and habitat selection of eleodid beetles.

**M.S.**, Zoology, University of Georgia, 1993  
Advisor: Dr. Frank B. Golley (deceased)  
Thesis title: Effects of landscape patchiness on avian diversity of the Georgia Piedmont, 1993.

**B.S. *Magna Cum Laude***, Zoology, University of Georgia, 1991

*Honors*

- 1998 NASA-Michigan State University Professional Enhancement Award in Landscape Ecology
- 1997 University-wide Graduate School Dissertation Fellowship, Colorado State University
- 1996 Graduate Degree Program in Ecology Teaching Fellowship, Colorado State University  
Colorado Graduate Fellowship, Colorado State University
- 1995 Graduate Degree Program in Ecology Teaching Fellowship, Colorado State University
- 1992 Graduate Teaching Assistant Merit Supplement, University of Georgia  
University-wide Graduate Assistantship, University of Georgia
- 1991 University of Georgia Department of Zoology Grace Thomas Award  
Phi Beta Kappa

**EMPLOYMENT**

- 2006 – **Associate Professor**, Department of Biological Sciences, Texas Tech University, Lubbock, TX  
**Curator of Birds**, Natural Science Research Laboratory, The Museum of Texas Tech University, Lubbock, TX
- 2005 – **Environmental Consultant**, Lubbock, TX
- 2000 – 2006 **Assistant Professor**, Department of Biological Sciences, Texas Tech University, Lubbock, TX
- 1998 – 2000 **Postdoctoral Research Associate**, Central Arizona-Phoenix Long-Term Ecological Research Project, Arizona State University, Tempe, AZ
- 1997 – 1998 **Graduate Writing Fellow**, Colorado State University, Fort Collins, CO
- 1993 – 1997 **Graduate Teaching Assistant**, Department of Biology, Colorado State University, Fort Collins, CO
- 1992 – 1993 **Graduate Research Fellow**, University of Georgia, Athens, GA
- 1992 **Graduate Research Assistant**, Savannah River Ecology Laboratory, Aiken, SC
- 1991 – 1992 **Graduate Teaching Assistant**, Department of Zoology, University of Georgia, Athens, GA
- 1990 – 1991 **Laboratory worker**, University of Georgia Institute of Ecology Horseshoe Bend Program, Athens, GA
- 1990 **Intern**, Museum of Natural History, University of Georgia, Athens, GA

**SKILLS**

- administration skills: budget management for multi-year research projects
- biological consulting: conducting field surveys for rare, threatened, and endangered species, writing up reports, and testifying in court regarding same
- communication skills: written and oral via publications, radio and TV interviews
- computer skills: proficient with computer-based word processing, data management and analysis, and graphics, including HTML programming language and FrontPage
- field skills: bird-banding subpermittee; capture-mark-recapture of arthropods, birds, and small mammals; radio-telemetry
- grant-writing skills: federal, state, intramural, and industry sources
- personnel skills: hiring and management of teaching assistants, paid and unpaid lab and field research assistants, including setting goals and evaluating performance
- statistical/analytical skills: fluent in SAS, experienced with GIS (primarily ArcGIS and IDRISI) and landscape analysis computer programs (e.g. FRAGSTATS, RULE)
- teaching skills: formal lecture, discussion, laboratory, and distance via internet in the classroom, lab, and field for university students, K-12 teachers, and the public
- zoological curation skills: processing and long-term curation of museum specimens

**TEACHING PHILOSOPHY**

The scientific pursuit of asking and answering questions is the same fundamental occupation of higher education. My main interest as a teacher is in developing students' enthusiasm to ask and answer questions. This ability serves all students, regardless of their career goals, because it teaches them how to be critical thinkers. A person who has been taught how knowledge itself is gained has been taught a valuable skill, indeed. My methodology incorporates traditional lecture-oriented teaching, discussion-oriented teaching, and use of internet-based technology.

**TEACHING EXPERIENCE***Texas Tech University, 2000 -*

- Community Ecology / Advanced Community Ecology
- Ecology of Arid and Semi-arid Lands
- General Ornithology / Advanced Ornithology
- Landscape Ecology / Advanced Landscape Ecology
- Metapopulation Biology
- Ornithological Curation Techniques
- Principles of Ecology (formerly Populations, Communities, and Ecosystems)

*Texas Parks and Wildlife Department, 2005 -*

- Master Naturalist Class - Ornithology

*Arizona State University, 1998 - 2000*

- Introduction to Ecology
- Seminar in Entomology
- Urban Ecological Systems

*Colorado State University, 1993 - 1997*

- Community and Ecosystem Ecology
- Principles of Animal Biology
- Biology of Organisms
- Cell Biology

*University of Georgia, 1991 - 1992*

- Ecological Concepts
- Human Anatomy
- Medical Anatomy
- Ornithology

**PROFESSIONAL ACTIVITIES***Current society memberships*

American Institute of Biological Sciences	Raptor Research Foundation
American Ornithologists' Union	Sigma Xi
Association of Field Ornithologists	Society for Conservation Biology
Cooper Ornithological Society	Society of Wetland Scientists
Dragonfly Society of the Americas	Southwestern Assn. of Naturalists
Ecological Society of America	Southwestern Entomological Assn.
Entomological Society of America	Texas Ornithological Society
International Association for Landscape Ecology	The Wildlife Society
Playa Lakes Joint Venture	Wilson Ornithological Society

*Editorial boards*

Associate Editor, Urban Ecosystems (2004-present)

Coordinating Editor, Landscape Ecology (2007-present)

*Offices held in professional societies*

Chair, Nominating Cmte., U.S. Chapter – Internat'l Assn. Landscape Ecology (2004-present)

Chair, Outreach Cmte., U.S. Chapter – Internat'l Assn. Landscape Ecology (2004)

Councilor-At-Large, U.S. Chapter – Internat'l Assn. Landscape Ecology (2003-2005)

*Grant reviewer*

Department of Energy (National Institute for Climate Change Research)

National Fish and Wildlife Foundation

National Science Foundation

South Carolina Agriculture and Forestry Research

*Grant review panels*

National Science Foundation (2002, 2003)

*Journal reviewer*

American Midland Naturalist

American Naturalist

Animal Behaviour

Austral Ecology

Bird Behavior

Biological Conservation

BioScience

Cities and the Environment

Conservation Biology

Conservation Ecology

Ecography

Ecological Applications

Ecological Modelling

Ecology

Ecosystems

Environmental Entomology

Frontiers in Ecology and the Environment

Insect Conservation and Diversity

Journal of Applied Ecology

Journal of Arid Environments

Journal of Ecology

Beta reviewer for U.S. Geological Survey Fundamental Science Practices

Journal of Field Ornithology

Journal of Insect Behavior

Journal of the Kansas Entomological Society

Journal of Raptor Research

Journal of Vector Ecology

Journal of Wildlife Management

Landscape Ecology

Landscape and Urban Planning

Naturwissenschaften

Oikos

Proceedings of the Royal Society of London

Risk Analysis

Restoration Ecology

Southwestern Naturalist

Studies in Avian Biology

Urban Ecosystems

Urban Habitats

Western North American Naturalist

Wetlands

Wildlife Society Bulletin

Wilson Journal of Ornithology

**RESEARCH INTERESTS**

My foci are in landscape and community ecology, specifically in how human activity affects the abundance, distribution, and diversity of animals by altering the spatial distribution of resources in heterogeneous and dynamic landscapes, with a focus on arthropods and birds. Current research focus is on dragonflies and damselflies inhabiting playa wetlands of the Great Plains.

**PUBLICATIONS***Peer-reviewed journal articles: In print*

## 2009

Holsomback, T.S., **N.E. McIntyre**, R.A. Nisbett, R.E. Strauss, Y.-K. Chu, A.A. Abuzeineh, N. de la Sancha, C.W. Dick, C.B. Jonsson, and B.E.L. Morris. 2009. Bayou virus detected in non-Oryzomyine rodent hosts: an assessment of habitat composition, reservoir community structure, and marsh rice rat social dynamics. *Journal of Vector Ecology* 34:9-21

Reece, B.A., and **N.E. McIntyre**. 2009. Community assemblage patterns of odonates inhabiting a wetland complex influenced by anthropogenic disturbance. *Insect Conservation and Diversity* 2:73-80. doi: 10.1111/j.1752-4598.2008.00044.x.

Reece, B.A., and **N.E. McIntyre**. 2009. New county records of Odonata of the playas of the Southern High Plains, Texas. *Southwestern Naturalist* 54:96-99.

## 2008

Bell, C., **N. McIntyre**, S. Cox, D. Tissue, and J. Zak. 2008. Soil microbial responses to temporal variations of moisture and temperature in a Chihuahuan Desert grassland. *Microbial Ecology* 56:153-167.

Chipman, E.D., **N.E. McIntyre**, R.E. Strauss, M.C. Wallace, J.D. Ray, and C.W. Boal. 2008. Effects of human land use on Western Burrowing Owl foraging and activity budgets. *Journal of Raptor Research* 42:87-98.

Craig, C.N., B.A. Reece, and **N.E. McIntyre**. 2008. Nestedness in playa odonates as a function of area and surrounding land-use. *Wetlands* 28:995-1003.

Reece, B.A., and **N.E. McIntyre**. 2008. Dragonfly (Odonata: Anisoptera) holdings of The Museum of Texas Tech University. *Occasional Papers of the Museum of Texas Tech University* 279. 13 pp.

Rice, M.B., W.B. Ballard, E.B. Fish, **N.E. McIntyre**, and D. Holdermann. 2008. The importance of accurate landuse/landcover maps for assessing habitat suitability for black bear (*Ursus americanus*) in the Trans-Pecos region of Texas. *Wildlife Biology in Practice* 4:48-56.

Riffell, S., **N. McIntyre**, and R. Hayes. 2008. Agricultural set-aside programs and grassland birds: insights from broad-scale population trends. *Landscape Online* 8:1-20.

## 2007

Abuzeineh, A.A., R.D. Owen, **N.E. McIntyre**, C.W. Dick, R. Strauss, and T. Holsomback. 2007. Response of the marsh rice rat (*Oryzomys palustris*) to inundation of habitat. *Southwestern Naturalist* 52:75-78.

Carmichael, J.A., R.E. Strauss, and **N.E. McIntyre**. 2007. Seasonal variation of North American form of *Gigantolaelaps mattogrossensis* (Acari: Laelapidae) on marsh rice rat in southern coastal Texas. *Journal of Medical Entomology* 44:80-84.

Chipman, E.D., **N.E. McIntyre**, J.D. Ray, M.C. Wallace, and C.W. Boal. 2007. Effects of radio-transmitter necklaces on behaviors of adult male western burrowing owls. *Journal of Wildlife Management* 71:1662-1668.

## 2006

- Brunjes, K.J., W.B. Ballard, M.H. Humphrey, F. Harwell, **N.E. McIntyre**, P.R. Krausman, and M.C. Wallace. 2006. Habitat selection by sympatric mule and white-tailed deer in Texas. *Journal of Wildlife Management* 70:1351-1359.
- Hernandez, K.M., B.A. Reece, and **N.E. McIntyre**. 2006. Effects of anthropogenic land use on Odonata in playas of the Southern High Plains. *Western North American Naturalist* 66:273-278.
- Shochat, E., P.S. Warren, S.H. Faeth, **N.E. McIntyre**, and D. Hope. 2006. Urban mechanistic ecology: from patterns to emerging processes. *Trends in Ecology and Evolution* 21:186-191.

## 2005

- McIntyre, N.E.**, Y.-K. Chu, R.D. Owen, R.A. Nisbett, A. Abuzeineh, N. de la Sancha, C.W. Dick, T. Holsomback, and C. Jonsson. 2005. A longitudinal study of Bayou virus, hosts, and habitat. *American Journal of Tropical Medicine and Hygiene* 73:1043-1049.

## 2004

- McIntyre, N.E.** 2004. Historic and current status of breeding and wintering Western Burrowing Owls (*Athene cunicularia hypugaea*) in Texas. *Journal of Raptor Research* 38:91-95.
- McIntyre, N.E.**, and P. Porter. 2004. Field trial of diatomaceous earth in cotton gin trash against the larger black flour beetle, *Cynaesus angustus* (Coleoptera: Tenebrionidae). *Journal of Economic Entomology* 97:588-592.

## 2003

- McIntyre, N.E.** 2003. Effects of Conservation Reserve Program seeding regime on harvester ants (*Pogonomyrmex*), with implications for the threatened Texas Horned Lizard (*Phrynosoma cornutum*). *Southwestern Naturalist* 48:274-277.
- McIntyre, N.E.**, and T.R. Thompson. 2003. Abundance of grassland birds' arthropod prey on different CRP plantings. *American Midland Naturalist* 150:291-301.

## 2002

- Baker, L.A., A.J. Brazel, N. Selovar, C. Martin, **N. McIntyre**, F.R. Steiner, A. Nelson, and L. Musacchio. 2002. Urbanization and warming of Phoenix (Arizona, USA): impacts, feedbacks and mitigation. *Urban Ecosystems* 6:183-203.

## 2001

- McIntyre, N.E.**, and M.E. Hostetler. 2001. Effects of urban land use on pollinator (Hymenoptera: Apoidea) communities in a desert metropolis. *Basic and Applied Ecology* 3:209-218.
- McIntyre, N.E.**, J. Rango, W.F. Fagan, and S.H. Faeth. 2001. Ground arthropod community structure in a heterogeneous urban environment. *Landscape and Urban Planning* 52:257-274.

## 2000

- McIntyre, N.E.** 2000. Community structure of *Eleodes* beetles (Coleoptera: Tenebrionidae) in the shortgrass steppe: Scale-dependent uses of heterogeneity. *Western North American Naturalist* 60:1-15.

**McIntyre, N.E.** 2000. The ecology of urban arthropods: A review and a call to action. *Annals of the Entomological Society of America* 93:825-835.

**McIntyre, N.E., K. Knowles-Yáñez, and D. Hope.** 2000. Urban ecology as an interdisciplinary field: differences in the use of “urban” between the social and natural sciences. *Urban Ecosystems* 4:5-24.

- A “**top 10 downloaded articles**” for *Urban Ecosystems*.
- Included in *Urban Ecology: An International Perspective on the Interaction Between Humans and Nature* (J.M. Marzluff, E. Shulenberg, W. Endlicher, M. Alberti, G. Bradley, C. Ryan, U. Simon, and C. ZumBrunnen, eds.), pp. 49-65. Springer, New York, NY, 2008. [A compilation of the “**classic**” papers from the field of urban ecology.]

**McIntyre, N.E., and J.A. Wiens.** 2000. A novel use of the lacunarity index to discern landscape function. *Landscape Ecology* 15:313-321.

1999

**McIntyre, N.E.** 1999. Influences of urban land use on the frequency of scorpion stings in the Phoenix, Arizona, metropolitan area. *Landscape and Urban Planning* 45:47-55.

**McIntyre, N.E.** 1999. Use of *Pogonomyrmex occidentalis* (Hymenoptera: Formicidae) nest-sites by tenebrionid beetles (Coleoptera: Tenebrionidae) for oviposition and thermoregulation in a temperate grassland. *Southwestern Naturalist* 44:379-382.

**McIntyre, N.E., and J.A. Wiens.** 1999. How does habitat patch size affect animal movement?: An experiment with darkling beetles. *Ecology* 80:2261-2270.

**McIntyre, N.E., and J.A. Wiens.** 1999. Interactions between habitat abundance and configuration: An experimental test of some predictions from percolation theory. *Oikos* 86:129-137.

**McIntyre, N.E., and J.A. Wiens.** 1999. Interactions between landscape structure and animal behavior: The roles of heterogeneously distributed resources and food deprivation on movement patterns. *Landscape Ecology* 14:437-447.

1998

**McIntyre, N.E.** 1998. Abundance and habitat affinities of *Cyclotrachelus substriatus* (Coleoptera: Carabidae) on northern shortgrass prairie. *Prairie Naturalist* 30:157-168.

**McIntyre, N.E.** 1998. Pitfall trapping of male darkling beetles not induced by females. *Prairie Naturalist* 30:101-110.

1997

**McIntyre, N.E.** 1997. Scale-dependent habitat selection by the darkling beetle *Eleodes hispilabris* (Coleoptera: Tenebrionidae). *American Midland Naturalist* 138:230-235.

**McIntyre, N.E., and T.T. Vaughn.** 1997. Effects of food deprivation and olfactory and visual cues on movement patterns of two *Eleodes* species (Coleoptera: Tenebrionidae) in a wind tunnel. *Annals of the Entomological Society of America* 90:260-265.

Weeks, R.D., and **N.E. McIntyre.** 1997. A comparison of live and kill pitfall trapping techniques using a variety of killing agents. *Entomologia Experimentalis et Applicata* 82:267-273.

1995

**McIntyre, N.E.** 1995. Effects of forest patch size on avian diversity. *Landscape Ecology* 10:85-99.

- McIntyre, N.E.** 1995. Methamidophos application effects on *Pasimachus elongatus* (Coleoptera: Carabidae): An update. *Environmental Entomology* 24:559-563.
- Reed, E.B., and **N.E. McIntyre**. 1995. *Cyclops strenuus* (Fischer, 1851) *sensu lato* in Alaska and Canada, with new records of occurrence. *Canadian Journal of Zoology* 73:1699-1711.

*Peer-reviewed journal articles: In press*

- McIntyre, N.E.**, R.A. Nisbett, A. Abuzeineh, T. Holsomback, Y.-K. Chu, J.A. Carmichael, N. de la Sancha, C.W. Dick, C.B. Jonsson, and R.D. Owen. Ecological correlates of serological status for Bayou virus in *Oryzomys palustris*. *Mastozoología Neotropical*.

*Peer-reviewed conference proceedings: In print*

- Brunjes, J.B., W.B. Ballard, M.C. Wallace, R.S. Phillips, D.H. Holdstock, B.L. Spears, M.S. Miller, S.J. Demaso, R. Applegate, **N.E. McIntyre**, and P.S. Gipson. 2007. Patterns of capture mortality in Rio Grande wild turkeys. *Proceedings of the National Wild Turkey Symposium* 9:75-81.

*Book chapters: In print*

- Wiens, J.A., and **N.E. McIntyre**. 2008. Birds of the shortgrass steppe. Ch. 9 in: *Ecology of the Shortgrass Steppe: A Long-Term Perspective* (W.K. Lauenroth and I.C. Burke, eds.). Oxford University Press, New York, NY.

*Book chapters: In press*

- McIntyre, N.E.**, and J.J. Rango. Arthropods in urban ecosystems: community patterns as functions of anthropogenic land use. Pp. 233-242 in: *Comparative Ecology of Cities and Towns* (M.J. McDonnell, A.K. Hahs, and J.H. Breuste, eds.). Cambridge University Press, Cambridge, UK.

*Book reviews*

- McIntyre, N.E.** 2001. "Ecology and Conservation of Grassland Birds of the Western Hemisphere" (P.D. Vickery and J.R. Herkert, eds.). *Journal of Wildlife Management* 65:166-167.
- McIntyre, N.E.** 2002. Landscape ecology explained: "Landscape Ecology in Theory and Practice: Pattern and Process" (M.G. Turner, R.H. Gardner, and R.V. O'Neill). *Ecology* 83:301.
- McIntyre, N.E.** 2002. Landscape ecology: a how-to guide: "Learning Landscape Ecology: A Practical Guide to Concepts and Techniques" (S.E. Gergel and M.G. Turner, eds.). *Ecology* 83:2062.

*Gray literature*

- Holmes, E.E., W.F. Fagan, J.J. Rango, A. Folarin, J.A. Sorensen, J.E. Lippe, and **N.E. McIntyre**. 2005. Cross-validation of quasi-extinction risks from real time series: an examination of diffusion approximation methods. U.S. Dept. Commerce, NOAA Technical Memo NMFS-NWFSC-67.

*Published abstracts*

Hamilton, D.E., M.E. Janowski-Bell, **N.E. McIntyre**, and L.D. Densmore. 2005. A preliminary molecular analysis of the theraphosid genus *Aphonopelma* and its implications on the present morphological taxonomy. *Integrative and Comparative Biology* 45:1007.

**McIntyre, N.E.**, and F.B. Golley. 1991. The behavioral ecology of the Red Wolf (*Canis rufus*) in relation to that of the Coyote (*Canis latrans*). *ASB Bulletin* 38:120.

*Instructional materials*

Antolin, M.F., W.G. Wright, and **N.E. McIntyre**. 1996. *Zoology Lab Manual: Principles of Animal Biology*. Colorado State University, Fort Collins, CO.

*Invited articles*

**McIntyre, N.E.** 1998. Rescuing damsels in distress: The conservation of damselflies and their habitat. *Arizona Riparian Council Newsletter* 11:3-4.

*Fact sheets*

Porter, P., and **N. McIntyre**. 2003. Fact Sheet: Larger Black Flour Beetle in Southern High Plains Homes. Texas Cotton Ginners' Association.

Porter, P., and **N.E. McIntyre**. 2007. Fact sheet: Larger Black Flour Beetle in Southern High Plains Homes (E-443). Texas Cooperative Extension, College Station, TX.

*Media*

Insect videos for teachers: Collecting aquatic insects, Dr. Nancy E. McIntyre - [http://elementaryinsects.tamu.edu/videos/collecting/aquatic/Aquatic\\_QT7.html](http://elementaryinsects.tamu.edu/videos/collecting/aquatic/Aquatic_QT7.html) (307 downloads in 2008)

Insect videos for teachers: Pitfall traps for collecting arthropods, Dr. Nancy E. McIntyre - [http://elementaryinsects.tamu.edu/videos/collecting/pitfall/pitfall\\_wmv.html](http://elementaryinsects.tamu.edu/videos/collecting/pitfall/pitfall_wmv.html) (559 downloads in 2008)

Porter, P., and **N. McIntyre**. 2003. Monitoring cotton gin trash for Larger Black Flour Beetles. An educational video for local cotton ginners made on behalf of the Texas Cotton Ginners' Association.

**RESEARCH SUPPORT**

- 2009 Cotton Inc., \$25,000 (co-PI)
- 2008 Cotton Inc., \$16,000 (co-PI)
- 2007 Cotton Inc., \$16,000 (co-PI)  
Howard Hughes Medical Institute Research Grant, \$5000 (co-PI)
- 2006 Department of Biological Sciences F&A Mini-grant, TTU, \$2500 (PI)
- 2005 Research Enhancement Fund, Texas Tech University, \$3300 (co-PI)
- 2002 – 2004 Advanced Research Program of Texas, \$249,520 (co-PI)
- 2002 Research Enhancement Fund, Texas Tech University, \$2668 (PI)
- 2001 Research Enhancement Fund, Texas Tech University, \$3000 (PI)  
Texas Department of Agriculture, \$13,255 (PI)
- 1998 Research travel award, Dept. Biology, Colorado State University, \$200 (PI)  
NASA-Michigan State University Professional Enhancement Award in  
Landscape Ecology, \$400 (PI)
- 1997 Dissertation Fellowship, Colorado State University, \$11,000 (PI)  
Research travel award, Dept. Biology, Colorado State University, \$225 (PI)  
Sigma Xi Grant-in-Aid of Research, \$700 (PI)
- 1996 Colorado Graduate Fellowship, Colorado State University, \$3491 (PI)  
Research travel award, Dept. Biology, Colorado State University, \$300 (PI)
- 1995 Sigma Xi Grant-in-Aid of Research, \$400 (PI)  
Research travel award, Dept. Biology, Colorado State University, \$300 (PI)

**SESSIONS CHAIRED AT PROFESSIONAL MEETINGS**

- 2004 “Urban landscapes,” The 19<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Las Vegas, NV
- 2003 “Searching for general principles and identifying limitations,” International Workshop on Urban Ecology, Melbourne, Australia
- 1999 “Conservation of particular taxa,” The Fifth World Congress of the International Association of Landscape Ecology, Snowmass Village, CO
- 1998 “Animal movements across landscapes,” The 13<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Lansing, MI

**SYMPOSIA AND WORKSHOPS ORGANIZED AT PROFESSIONAL MEETINGS**

- 2001 “Pollinators in heterogeneous and dynamic landscapes,” The 16<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Tempe, AZ
- 2000 “The art of giving an outstanding oral presentation,” The 85<sup>th</sup> Annual Meeting of the Ecological Society of America, Snowbird, UT  
 “Arthropods in the LTER network: current assessments, cross-site activities, and future directions,” LTER All Scientist Meeting, Snowbird, UT

**PRESENTATIONS AS AUTHOR OR CO-AUTHOR**

- 2009 The 94<sup>th</sup> Annual Meeting of the Ecological Society of America, Albuquerque, NM  
 Annual Meeting of the Texas Chapter of The Wildlife Society, Lubbock, TX  
 The 24<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Snowbird, UT
- 2008 **Invited participant:** Teaching landscape ecology, The 23<sup>rd</sup> Annual US-IALE Landscape Ecology Symposium, Madison, WI  
 Annual Meeting of the Texas Chapter of The Wildlife Society, San Antonio, TX
- 2007 **Invited talk:** Biomathematics Seminar, Lubbock, TX  
 The Wildlife Society 14<sup>th</sup> Annual Conference, Tucson, AZ  
 The XVII International Congress of Arachnology, São Pedro, Brazil  
 The 11<sup>th</sup> Biennial Soil Ecology Society Meeting, Moab, UT  
 The 54<sup>th</sup> Annual Meeting of the Southwestern Assn. Naturalists, Stephenville, TX  
 Texas Tech Univ. Dept. Biological Sciences Graduate Student Forum, Lubbock, TX
- 2006 The Annual Meeting of the Texas Society of Mammalogists, Junction, TX  
 The 22<sup>nd</sup> Annual All-University Conference on the Advancement of Women in Higher Education, Lubbock, TX  
 Texas Tech Univ. Dept. Biological Sciences Graduate Student Forum, Lubbock, TX  
 The 91<sup>st</sup> Annual Meeting of the Ecological Society of America, Memphis, TN  
**Invited talk:** Raptors on the Prairie Conference, Lubbock, TX
- 2005 The 40<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society, Amarillo, TX  
 The 20<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Syracuse, NY  
 Howard Hughes Medical Institute Research Days, Lubbock, TX  
 The 52<sup>nd</sup> Annual Meeting of the Southwestern Association of Naturalists, Huntsville, TX  
 The 80<sup>th</sup> Annual Meeting of the Ecological Society of America, Montreal, QC, Canada  
 The Annual Meeting of the Raptor Research Foundation, Green Bay, WI
- 2004 **Invited talk:** Urban Community Ecology Workshop, Tempe, AZ  
 The 20<sup>th</sup> Annual All-University Conference on the Advancement of Women in Higher Education, Lubbock, TX  
 Sixth International Conference on HFRS, HPS and Hantaviruses, Seoul, South Korea  
 The 84<sup>th</sup> Annual Meeting of the American Society of Mammalogists, Arcata, CA  
 The 51<sup>st</sup> Annual Meeting of the Southwestern Assn. Naturalists, San Antonio, TX

- 2003 The 18<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Banff, AB, Canada  
**Invited talk:** The Sixth World Congress of the International Association of Landscape Ecology, Darwin, NT, Australia  
The 88<sup>th</sup> Annual Meeting of the Ecological Society of America, Savannah, GA
- 2002 The 17<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Lincoln, NE  
The 87<sup>th</sup> Annual Meeting of the Ecological Society of America, Tucson, AZ  
The 50<sup>th</sup> Annual Meeting of the Entomological Soc. America, Ft. Lauderdale, FL  
**Invited talk:** The Institute of Environmental and Human Health, Texas Tech University, Lubbock, TX
- 2001 The 16<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Tempe, AZ  
The 86<sup>th</sup> Annual Meeting of the Ecological Society of America, Madison, WI  
Annual Meeting of the Southwestern Branch of the Entomological Society of America, San Antonio, TX  
The 49<sup>th</sup> Annual Meeting of the Entomological Society of America, San Diego, CA
- 2000 The 15<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Ft. Lauderdale, FL  
The Second Annual CAP-LTER Research Symposium, Tempe, AZ  
**Invited talk:** CSIRO, Townsville, QLD, Australia
- 1999 The First Annual CAP-LTER Research Symposium, Tempe, AZ  
The Fourth International Symposium on Urban Wildlife Conservation, Tucson, AZ  
**Invited talk:** The Fifth World Congress of the International Association of Landscape Ecology, Snowmass Village, CO  
The 84<sup>th</sup> Annual Meeting of the Ecological Society of America, Spokane, WA  
The Second Annual Meeting of the Baltimore Ecosystem Study, Baltimore, MD
- 1998 The 13<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Lansing, MI  
The Fourth Annual Shortgrass Steppe Symposium, Fort Collins, CO  
**Invited talk:** Hexapodium, Univ. Arizona Center for Insect Science, Tempe, AZ  
**Invited talk:** The Fourth Annual Symposium on Ecological Research at Colorado State University, Fort Collins, CO
- 1997 The 12<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Durham, NC  
The Fourth Annual Biology Department Student Symposium, Fort Collins, CO -  
**Award: Best Graduate Student Oral Presentation**  
The 82<sup>nd</sup> Annual Meeting of the Ecological Society of America, Albuquerque, NM  
The Third Annual Symposium on Ecological Research at Colorado State University, Fort Collins, CO
- 1996 The 11<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Galveston, TX -  
**Award: Best Graduate Student Research Presentation**  
The Third Annual Biology Department Student Symposium, Fort Collins, CO  
The 22<sup>nd</sup> Annual Meeting of the Guild of Rocky Mountain Population Biologists, Crestone, CO  
The Second Annual Symposium on Ecological Research at Colorado State University, Fort Collins, CO  
The Third Annual Central Plains Experimental Range Symposium, Fort Collins, CO

- 1995 The 10<sup>th</sup> Annual US-IALE Landscape Ecology Symposium, Minneapolis, MN  
The Second Annual Biology Department Student Symposium, Fort Collins, CO  
The Second Annual Central Plains Experimental Range Symposium, Fort Collins, CO  
The 21<sup>st</sup> Annual Meeting of the Guild of Rocky Mountain Population Biologists,  
Nederland, CO
- 1994 The Ninth Annual US-IALE Landscape Ecology Symposium, Tucson, AZ  
The First Annual Biology Department Student Symposium, Fort Collins, CO -  
**Award: Best Graduate Student Research Paper**  
The First Annual Student Chapter of The Society for Conservation Biology  
Symposium, Fort Collins, CO - **Award: Best Oral Presentation**  
The 20<sup>th</sup> Annual Meeting of the Guild of Rocky Mountain Population Biologists,  
Pingree Park, CO
- 1991 The 52<sup>nd</sup> Annual Meeting of the Association of Southeastern Biologists, Boone, NC

## MENTORING

12 undergraduate research students:

- Lisa Longhofer, Spring 2002
- Morgan Conn, Fall 2002
- Stacey Burnham, Spring 2003
- Dan Walker (West Texas A&M student), Summer 2004
- Kyle Hernandez (HHMI Research Fellow), May 2004-May 2005 - currently a Ph.D. student at Purdue University (with Dr. Rick Howard, Dept. Biological Sciences)
- Emily Thiemann, Summer 2005
- Katie McLaughlin, Summer 2005
- Crystal Craig (HHMI Research Fellow), June 2006-September 2007 - currently teaching public high school science in Lubbock
- Tiffany Simon, Fall 2007 - currently in dental school
- Kristin Dunning, Fall 2007
- Lauren McLellan (Honors College Undergraduate Research Fellow), Fall 2008-Spring 2009
- Carlie Burton (CISER Science Education Fellow), Summer 2009-present

7 graduate students advised:

- Erica Chipman (M.S. 2006) - currently a full-time ornithologist for Geo-Marine, Inc., Plano
- Donna Hamilton (Ph.D. 2008) - currently a teaching postdoc, Dept. Biological Sciences, TTU
- Kelly Klinkerman (M.S. in progress)
- Jacy Lewis (M.S. 2003) - currently works at the Texas A&M Agrilife Research and Extension Center, Lubbock
- Bryan Reece (Ph.D. 2009) - currently a research associate with El Centro College, Dallas
- Jamie Suski (Ph.D. in progress)
- Dorothy Tinkler (Ph.D. 2004)

1 postdoctoral research associate:

- Matt Gray (Jan.-May 2004) - currently an Associate Professor, Dept. of Forestry, Wildlife and Fisheries, Univ. Tennessee

Member (2000-present): 26 dissertation committees, 23 thesis committees