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## **GREGORY A. SMITH**

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I am a terrestrial ecologist studying anthropogenic changes to landscapes and how those changes impact wildlife population dynamics and community structure. Integration of the human dimension allows theory to come full-circle via on-the-ground management applications. I am also interested in science education; focusing on strategies to recruit, retain, and graduate STEM majors.

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### **EDUCATION:**

Ph.D., 2007, Zoology, University of Oklahoma.

Advisor: Mark V. Lomolino (Co-Advisor: William J. Matthews)

“Structure and assembly of avian communities associated with black-tailed prairie dog ecosystems”

Concentration: Conservation Biology, Biogeography, Macroecology

M.S., 1996, Biological Sciences (Statistics minor), Mississippi State University.

Advisor: Jerome A. Jackson

“Morphology and habitat use of wintering American Kestrels (*Falco sparverius*) in east Mississippi”

Concentration: Vertebrate Ecology (Mammalogy / Ornithology)

B.S., 1992, Zoology, University of Florida.

Concentration: General Zoology

A.A., 1992, University of Florida

### **PROFESSIONAL EXPERIENCE:**

Associate Professor, Department of Biological Sciences, Kent State University at Stark, Fall 2020 - Present.

Assistant Professor, Department of Biological Sciences, Kent State University at Stark, Fall 2014 - Summer 2020.

Executive Director, Ohio Biological Survey, Fall 2011 - Summer 2017.

Field Station Manager (NTT Graduate Faculty), Martin Center for Field Studies and Environmental Education, Department of Biology, University of Akron, Summer 2006 - Summer 2014.

Assistant Professor and Director of Natural Areas & Schmidt Museum of Natural History, Department of Biological Sciences, Emporia State University, Fall 2002 - Spring 2006.

Heritage Zoologist (Interim), Oklahoma Natural Heritage Inventory / Oklahoma Biological Survey, University of Oklahoma, Summer 2001 - Summer 2002.

Graduate Research Assistant (Research Coordinator), Oklahoma Natural Heritage Inventory / Oklahoma Biological Survey, University of Oklahoma, Summer 1996 - Summer 2001.

Adjunct Instructor, Department of Biological Sciences, Division of Science and Mathematics, Oklahoma City Community College, Fall 2000.

Teaching Assistant, Department of Zoology, University of Oklahoma, Spring 1999 and Spring 2000; Department of Biological Sciences, Mississippi State University, Fall 1993 - Spring 1996.

Field Technician, Gulf Engineers & Consultants, Baton Rouge, Louisiana, Fall 1995 and Winter 1996.

Field Assistant, Eco-Inventory Studies, Inc., Mississippi State, Mississippi, Fall 1994 and Spring 1995.

Crew member, White Oak Plantation / Wildlife Conservation Center, Yulee, Florida, Summer 1991.

#### **TEACHING EXPERIENCE:**

Classes taught (in alphabetical order): Animal Behavior and Lab, Biogeography, Biological Diversity and Lab, Biological Foundations and Lab, Career Pathways in Biology, Conservation Biology, Environmental Biology (including an online section), General Ecology, General Zoology, Human Biology, Introduction to GeoSpatial Analysis (team-taught), Laboratory Experience in Biology, Life on Planet Earth, Mammalogy and Lab, Natural History of Vertebrates and Lab, Natural Science: Biology, Ornithology and Lab, Principles of Biology II, Vertebrate Zoology, Wetland Environments (team-taught), Wildlife Management and Lab, Wildlife Management Policies (Human Dimensions),

Wildlife Resources.

Institutions: Kent State University at Stark, University of Akron, Emporia State University, University of Oklahoma, Oklahoma City Community College, Mississippi State University.

**RESEARCH EXPERIENCE:**

Projects are field-based, often requiring some combination of counts and assessment of population size, capture and handling of animals, use of GIS for landscape analyses, and radiotelemetry tracking.

Projects: Wildlife management and conservation of birds and mammals within urban park systems; Home range and space use of coyotes in urban areas; Impacts of deer and invasive earthworms on nesting success of migratory songbirds; Migratory behavior of tree-roosting bats; Home range size and mortality of cottontail rabbits; Biotic homogenization and long-term population dynamics of small mammals; Historic patterns in small mammal community structure; Terrestrial vertebrate surveys for biotic assessment; Biogeography and biodiversity of prairie dog ecosystems; Overwintering ecology of American Kestrels; Habitat analysis of Red-cockaded Woodpecker colonies.

Locations: Kansas, Louisiana, Mississippi, Ohio, and Oklahoma.

**PUBLICATIONS:** (\* = Student co-author)

Young, J. W., A. D. Foster, G. A. Russo, G. A. Smith, and M. T. Butcher. 2022. Only the good die old? Ontogenetic determinants of locomotor performance in Eastern cottontail rabbits (*Sylvilagus floridanus*). *Integrative Organismal Biology*, obab037, <https://doi.org/10.1093/iob/obab037>.

Hollstein, M., and G. A. Smith. 2020. Civic environmentalism: integrating social studies and environmental education through curricular models. *Journal of Social Studies Education Research* 11:223-250.

Franckowiak, G. A.\*, M. Perdicas, and G. A. Smith. 2019. Spatial ecology of coyotes in the urbanizing landscape of the Cuyahoga Valley, Ohio. *PLoS ONE* 14(12): e0227028. <https://doi.org/10.1371/journal.pone.0227028>.

Lehnert, M. S., K. E. Reiter, G. A. Smith, and G. Kritsky. 2019. An augmented wood-penetrating structure: cicada ovipositors enhanced with metals and other inorganic elements. *Scientific Reports* 9:19731:doi:10.1038/s41598-019-56203-6.

Foster, A. D., M. T. Butcher, G. A. Smith, G. A. Russo, R. Thalluri, and J. W. Young.

2019. Ontogeny of effective mechanical advantage in eastern cottontail rabbits (*Sylvilagus floridanus*). *Journal of Experimental Biology* 222: jeb205237 doi: 10.1242/jeb.205237.

Butcher, M. T., J. A. Rose, Z. D. Glenn, N. M. Tatomirovich, G. A. Russo, A. D. Foster, G. A. Smith, and J. W. Young. 2019. Ontogenetic allometry and architectural properties of the paravertebral and hindlimb musculature in eastern cottontail rabbits (*Sylvilagus floridanus*). *Journal of Anatomy* 235:106-123.

Donovan, W. J., E. R. Wheland, G. A. Smith, and A. Bilia. 2014. Green Action Through Education: a model for fostering positive attitudes about STEM by bringing the scientists to the students, not the other way around. Pages 23-66 *In Service learning and environmental chemistry: relevant connections* (E. S. Roberts-Kirchhoff, M. J. Mio, and M. A. Benvenuto, eds.), American Chemical Society, Washington, DC.

Kurz, D. J.\* , N. A. McGinty\*, S. A. Stankovich\*, A. J. Nowakowski\*, and G. A. Smith. 2013. Restored wetlands can support mammalian assemblages comparable to those in nonmitigated reference wetlands. *American Midland Naturalist* 170:260-273.

Wheland, E. R., W. J. Donovan, J. T. Dukes, H. K. Qammar, G. A. Smith, and B. L. Williams. 2013. Green action through education: a model for fostering positive attitudes about STEM. *Journal of College Science Teaching* 42:46-51.

Riordan, B. T.\* , R. J. Duff, and G. A. Smith. 2012. The origin of coyote populations in the Cuyahoga Valley National Park. *Ohio Journal of Science* 112:15. (Abstract)

Smith, G. A. 2007. Various entries. *In Encyclopedia of Oklahoma history and culture*. Oklahoma Historical Society, Oklahoma City, OK. (Bison, Deer)

Smith, G. A. 2005. Great wildlife of the Great Plains: a book review. *Great Plains Research* 15:157-158.

Smith, G. A. 2004. Various entries. *In Oklahoma breeding bird atlas* (D. L. Reinking, ed.). University of Oklahoma Press, Norman, OK. (American Kestrel, Eastern Kingbird, Ferruginous Hawk, Horned Lark, Loggerhead Shrike, Long-billed Curlew, Mountain Plover, Northern Harrier, Short-eared Owl, Swainson's Hawk)

Smith, G. A., and M. V. Lomolino. 2004. Black-tailed prairie dogs and the structure of avian communities on the shortgrass plains. *Oecologia* 138:592-602.

Lomolino, M. V., and G. A. Smith. 2003. Terrestrial vertebrate communities at black-tailed prairie dog (*Cynomys ludovicianus*) towns. *Biological Conservation* 115:89-100.

Lomolino, M. V., G. A. Smith, and V. Vidal\*. 2003. Long-term persistence of prairie dog towns: insights for designing networks of prairie reserves. *Biological Conservation* 115:111-120.

Lomolino, M. V., and G. A. Smith. 2003. Prairie dog towns as islands: applications of island biogeography and landscape ecology for conserving nonvolant terrestrial vertebrates. *Global Ecology and Biogeography* 12:275-286.

Smith, G. A., and J. A. Jackson. 2002. Gray Kingbird (*Tyrannus dominicensis*). In *The Birds of North America*, No. 668 (A. Poole and F. Gill, eds.). The Birds of North America, Inc., Philadelphia, PA.

Lomolino, M. V., and G. A. Smith. 2001. Dynamic biogeography of prairie dog (*Cynomys ludovicianus*) towns near the edge of their range. *Journal of Mammalogy* 82:937-945.

Lomolino, M. V., R. Channell, D. R. Perault, and G. A. Smith. 2001. Downsizing nature: anthropogenic dwarfing of species and ecosystems. Pages 223-243 in *Biotic homogenization* (J. L. Lockwood and M. L. McKinney, eds.). Kluwer / Plenum Press, New York, NY.

Lomolino, M. V., and G. A. Smith. 1999. Islands in a sea of grass. *Biosurvey News* 1:4-5.

Smith, G. A. 1997. Morphology and habitat use of wintering American Kestrels (*Falco sparverius*) in east Mississippi. *Wingspan* 6:16. (Abstract)

Smith, G. A. and J. A. Jackson. 1994. Red-bellied woodpecker predation on a green anole. *Mississippi Kite* 24:7-8.

Reports:

Smith, G. A., and S. K. Hatch. 2015. Movement and migratory behavior of tree bats (*Lasiusurus* and *Lasionycteris*) within the western basin of Lake Erie. Final report submitted to the Ohio Department of Natural Resources, Division of Wildlife, Columbus, OH.

Lomolino, M. V., and G. A. Smith. 2007. Baseline avian inventory at Washita Battlefield National Historic Site, Oklahoma. Final report submitted to the National Park Service, Washita Battlefield National Historic Site, Cheyenne, OK.

Lomolino, M. V., and G. A. Smith. 2001. Baseline inventory of mammals, reptiles, and amphibians at Washita Battlefield National Historic Site, Oklahoma. Final report submitted to the National Park Service, Washita Battlefield National Historic Site,

Cheyenne, OK.

**MANUSCRIPTS IN PREPARATION:** (\* = Student co-author)

Duren, A. M., P. Steck\*, and G. A. Smith. Increased building height and lighting leads to increased bird collision risk. Wilson Journal of Ornithology.

Wallace, B. F.\*, S. D. Gehrt, and G. A. Smith. Coyote spatial and temporal use of recreational parklands as a function of human activity within the Cuyahoga Valley, Ohio. Journal of Wildlife Management.

**GRANTS AND SCHOLARSHIPS:**

Herbert W. Hoover Foundation. 2025. Deep sea to classroom: sequencing genomes to discover unique adaptations for life in the deep ocean. PI with Co-PI M. Shivji. (\$123,640)

Herbert W. Hoover Foundation. 2024. Conservation of Florida ecosystems: a study away course for Kent State University Students. PI with Co-PI M. Lehnert. (\$55,153)

Herbert W. Hoover Foundation. 2024. Collaborative research and education – Plastics for Dinner? Exploring the ingesting and incorporation of microplastics within corals. PI with Co-PI K. Wilkins. (\$163,653 requested – Not Funded)

Ohio Department of Transportation. 2024. Guardrail fencing designed to increase road safety and conserve wildlife. PI with Co-PI R. Liu. (\$122,517 requested – Not Funded)

Herbert W. Hoover Foundation. 2023. Collaborative research and education - Conservation genetics of deep-sea fishes: biodiversity, genome structure, and molecular adaptation. PI with Co-PI's R. Hamilton and M. Shivji. (\$189,192)

Ohio Department of Transportation. 2022. Updated GIS model for predicting bat use of bridges in Ohio. PI with Co-PI's R. Liu, A. Scholl, and A. Sharag-Eldin. (\$100,000 requested – Not Funded)

Herbert W. Hoover Foundation. 2019. Collaborative research and education - Flood risk reduction benefits of Florida's mangroves: ecosystem conservation at the land-water interface. PI with Co-PI's M. Beck, R. Hamilton, and S. Narayan. (\$100,000)

Ohio Department of Higher Education, Choose Ohio First. 2016. Choose Ohio First STEMM Scholarship Program: enhancing STEMM opportunities at a regional campus. Co-PI with A. Kasturiarachi and C. Kauth. (\$327,871)

National Science Foundation – Division of Undergraduate Education. 2016. Enhancing STEM opportunities at a regional campus: pathways to STEM degrees and careers. PI with Co-PI's C. Earley, A. Guercio, M. Lehnert, and C. Schweitzer. (\$649,980 requested – Not Funded)

Dominion Foundation Higher Educational Partnership. 2016. Wired wetland: technology-enhanced education in the environmental sciences. (\$25,000)

Farris Family Innovation Awards, Kent State University. 2016. Spatial scale of impact of feral and free-ranging domestic cat populations within an urban habitat matrix. (\$24,000 requested – Not Funded)

Division of Research and Sponsored Programs, Kent State University. 2015. Population dynamics of feral and free-ranging domestic cat colonies with implications for management. (\$6,500 Summer Appointment)

National Science Foundation – Division of Undergraduate Education. 2015. Enhancing STEM opportunities at a regional campus through scholarships, mentoring, and undergraduate research. PI with Co-PI's C. Earley, A. Guercio, M. Lehnert, and C. Schweitzer. (\$649,972 requested – Not Funded)

Division of Research and Sponsored Programs, Kent State University. 2014. Population dynamics of feral and free-ranging domestic cat colonies within the Cuyahoga Valley. (\$6,500 Summer Appointment requested – Not Funded)

Summit Metro Parks. 2011-2014. Industrial/Community Assistantship Program in Graduate Education. (\$86,168)

Ohio Department of Natural Resources, Division of Wildlife. 2012. Movement and migratory behavior of tree bats (*Lasiurus* and *Lasionycteris*) within the western basin of Lake Erie. (\$110,997)

National Science Foundation – Division of Integrative Organismal Systems: Processes, Structures, and Integrity. 2011. Collaborative Research: Natural selection on growth and locomotor development in eastern cottontail rabbits (*Sylvilagus floridanus*). Co-PI with J. Young and M. Butcher. (\$350,558 total with all collaborators)

National Center for Science and Civic Engagement. 2009. GLISTEN (Great Lakes Innovative Stewardship Through Education Network) Subgrant - Northeast Ohio Collaborative Cluster. Co-PI with T. Beyerle. (\$45,000)

National Science Foundation – Course, Curriculum, and Laboratory Improvement. 2009. Collaborative Research: Transformative Model of STEM Education for First-Year

Students at an Urban-Commuter Campus. Co-PI with L. Chism, J. Cordonnier, J. Crooks, W. Donovan, A. Gavrin, K. Ross-Alaolmolki, E. Wheland, and B. Williams. (\$257,856 total with all collaborators)

SENCER (Science Education for New Civic Engagements and Responsibilities) Implementation Award. 2008. SENCERizing an exploratory learning community: increasing interest in STEM disciplines through experiential learning. Co-PI with J. Brantner, W. Donovan, H. Qammar, K. Ross-Alaolmolki, S. Strnad, E. Wheland, and B. Williams. (\$3000)

National Science Foundation – Research Experiences for Undergraduates. 2008. Ecology at the urban-rural interface. Co-PI with R. Mitchell and J. Pan. (\$180,001)

Stoller Education Fund, University of Akron. 2007. Hands-on environmental education at an off-campus facility. Co-PI with R. Mitchell. (\$9,950)

Departmental Research Support, University of Akron. 2006. Effects of energy flow through a grassland system: biodiversity as a function of fertilization and litter removal. Co-PI with R. Mitchell and J. Pan. (\$5,000)

Faculty Research and Creativity Committee, Emporia State University. 2004. The impacts of biotic homogenization on mammal richness and abundance on the Flint Hills National Wildlife Refuge. (\$13,023)

University of Kansas Field Station and Ecological Reserves. 2003-2005. Long-term research of small mammal population dynamics in northeastern Kansas. (\$800)

Faculty Research and Creativity Committee, Emporia State University. 2003. Historic patterns in small mammal community structure at the Ross Natural History Reservation, Lyon County, Kansas: laying the groundwork for a long-term monitoring program. (\$13,233)

National Park Service, U.S. Department of the Interior. 2001. Baseline inventories of avian species at Washita Battlefield National Historic Site, Oklahoma. Co-Investigator with M. Lomolino. (\$20,000)

Graduate Student Senate Conference and Creative Exhibition Grant, University of Oklahoma. 2001. (\$250)

M. Blanche Adams and M. Frances Adams Memorial Academic Year Scholarship. 2000 - 2001. Department of Zoology, University of Oklahoma. (\$3,000)

National Park Service, U.S. Department of the Interior. 2000. Terrestrial vertebrate survey (amphibians, reptiles, and mammals) of Washita Battlefield National Historic Site, Oklahoma. Co-Investigator with M. Lomolino. (\$15,707)

M. Blanche Adams and M. Frances Adams Memorial Summer Research Scholarship. 2000. Department of Zoology, University of Oklahoma. (\$2,500)

George Miksch Sutton Scholarship in Ornithology. 1999. Structure and assembly of avian communities associated with the prairie dog ecosystem in Oklahoma. (\$5,000)

Graduate Student Senate Research and Creative Activity Grant, University of Oklahoma. 1999. The role of prairie dogs in structuring terrestrial vertebrate communities within the prairie ecosystem of the Oklahoma Panhandle. (\$275)

**INVITED TALKS:**

Leveraging a resource: citizen science as a tool in wildlife conservation. Colloquium Series, Department of Biology, University of Akron, 4 October 2024, Akron, OH.

Black squirrels: Kent's most famous critter. Kent Free Library, Kent, OH, 24 June 2021.

Personal safety in the outyard: skunks, bears, coyotes...Oh my! LEAD for Pollinators Women in Beekeeping Conference: Becoming 21<sup>st</sup> Century Leaders. 25 October 2020.

An introduction to biological diversity long-term datasets. Symposium on Biological Diversity. The Wildlife Society Annual Meeting (virtual). 28-29 September 2020.

Wildlife in an urbanizing world: coyotes as a case study. Bath Township "State of the Parks" Meeting, University of Akron Field Station, 21 March 2019.

Extinction and conservation in the Anthropocene. Lecture and discussion of *The Sixth Extinction: An Unnatural History*. Lakewood Public Library, Lakewood, OH, 26 June 2018.

Lessons from nature: somewhat random musings of a field biologist. Academic Achievement Dinner, Kent State University at Stark, 6 April 2018.

The changing climate of climate change: science and public opinion of a global conservation issue. "Green Living" Seminar Series, Kent State University at Stark, 19 April 2017.

The world according to us: wildlife ecology in human-dominated landscapes. Bridges Program Guest Lecturer Series, Cuyahoga Community College, 10 October 2016.

Wildlife ecology and conservation in an urbanizing world. Seminar Series, Department of Biological Sciences, Kent State University, 12 September 2014.

Bat biology and natural history; Bats of Ohio. Advanced Project WILD Workshop, 9 April 2014, Russell, OH.

Wildlife conservation in an urbanizing world: lessons from the front lines. Colloquium Series, Department of Biology, University of Akron, 13 March 2014, Akron, OH.

Collaborative conservation in the age of “me.” Keynote Address, Western Pennsylvania Conservation Conference, 2 November 2013, Clarion, PA.

Wildlife in an urbanizing world: coyotes as a case study. Blackbrook Audubon Society, 17 September 2013, Kirtland, OH.

Small mammals: mice, shrews, and moles...oh my! The Wilderness Center Workshop, 14 September 2013, Wilmot, OH.

Bats: around the world and in our backyard. Advanced Project WILD Workshop, 6 February 2013, Dover, OH.

The University of Akron Field Station: ecology at the urban-rural interface. Annual Meeting of the Bath Parks Board, 15 March 2012, Bath, OH.

How the wetland was won: restoration and small mammal community structure. Ohio Wildlife Diversity Conference, 7 March 2012, Columbus, OH.

Coyotes in the Valley: a case study of urban wildlife. Fairlawn Rotary Club, 31 August 2011, Akron, OH.

Wildlife in an urbanizing world: the Cuyahoga Valley as a case study. Rocky River Audubon Society, 2 November 2010, LaGrange, OH.

Science in a changing *climate*: the role of field stations. Colloquium Series, Department of Biology, University of Akron, 4 February 2010, Akron, OH.

The University of Akron Field Station: integrating academia and community. Bath Township Museum Exhibit Series, 12 February 2009, Bath, OH.

The ever-expanding human footprint: Are we natural? Natural Science Colloquium, The University of Akron Honors College, 13 October 2008, Akron, OH.

Biogeography on the Great Plains: prairie dog islands in a sea of grass. Department of Biological Sciences Seminar Series, Bowling Green State University, 20 February 2008, Bowling Green, OH.

A Natural History of Kestrels. Greater Akron Audubon Society Annual Picnic, 26 June 2007, Bath, OH.

The University of Akron Field Station: ecology at the urban-rural interface (Co-Author with R. Mitchell). Colloquium Series, Department of Geography and Planning, University of Akron, 16 February 2007, Akron, OH.

The politics of conservation: a case study on the Great Plains. Brown Bag EcoLunch Seminar Series, Department of Biology, University of Akron, 6 September 2006, Akron, OH.

Backyard birding basics. Emporia Lawn, Flower, and Garden Show, 26 February 2005, Emporia, KS.

The plight of the prairie dog: history, politics, and conservation on the Great Plains. Keynote Address, Central Plains Society of Mammalogists Annual Meeting, 16 October 2004, Fort Hays State University, Hays, KS.

Science, society, and the fate of endangered species. Sigma Xi Science Night in Emporia Series, 28 September 2004, Emporia, KS.

Prairie dog towns as islands: theory and applications. Ecology and Evolutionary Biology Seminar Series, Kansas State University, 29 January 2004, Manhattan, KS.

Birds and bird feeding. Emporia Garden Club, 21 January 2004, Emporia, KS.

Ecology and conservation of black-tailed prairie dogs. Department of Biological Sciences Seminar Series, Wichita State University, 5 November 2003, Wichita, KS.

Terrestrial vertebrates of the Great Plains: community structure and the role of black-tailed prairie dogs. University of Kansas Field Station and Ecological Reserves Seminar Series, University of Kansas, 9 May 2003, Lawrence, KS.

The American Kestrel: a natural history of our smallest falcon. Cleveland County Audubon Society, 11 April 2002, Norman, OK.

**PAPERS PRESENTED:** (\* = Student co-author)

Ramey, J.\* and G. A. Smith. 2025. Citizen science as a tool for conservation management: an assessment of an unstructured data platform 1890's-2024. Association of Southeastern Biologists Annual Meeting, 12-15 March, Myrtle Beach, SC.

Smith, G. A. 2023. Leveraging a resource: the role of citizen science in collaborative conservation. The Wildlife Society Annual Conference, 5-9 November, Louisville, KY.

Kelly, E.,\* A. Scholl, and G. A. Smith. 2023. Evaluation of thermal drones as a technique for estimating white-tailed deer population size in Northeastern Ohio. The Wildlife Society Annual Conference, 5-9 November, Louisville, KY. (Poster)

Ramey, J.,\* and G. A. Smith. 2023. Citizen science as a wildlife management tool: potential biases in an unstructured data platform. The Wildlife Society Annual Conference, 5-9 November, Louisville, KY. (Poster)

Lehnert, M., K. Reiter, G. Smith, and G. Kritsky. 2019. Cicada ovipositors are enriched with cuticular metal deposits. Entomological Society of America Annual Meeting, 17-20 November, St. Louis, MO.

Ruegg, K. R.\*, R. A. Ohm\*, and G. A. Smith. 2019. Citizen science and the conservation of biological diversity: taxonomic bias and threatened and endangered species. Ohio Academy of Science Annual Meeting, 13 April, Columbus, OH.

Ohm, R. A.\*, K. R. Ruegg\*, and G. A. Smith. 2019. Utilizing citizen science to monitor invasive species in Ohio. Association of Southeastern Biologists Annual Meeting, 3-6 April, Memphis, TN; Ohio Academy of Science Annual Meeting, 13 April, Columbus, OH. (Poster)

Pace, C. K.\*, A. C. Hoffman\*, C. A. Bahlai, and G. A. Smith. 2018. Activity dynamics of urban wildlife associated with feral cat colonies in northeast Ohio. Canadian Society for Ecology and Evolution Annual Meeting, 18-21 July, Ontario, Canada.

Lehnert, M.S., K. Reiter\*, G. Smith, and G. Kritsky. 2018. Regional distribution of metals in the cuticle of cicada ovipositors. Association of Southeastern Biologists Annual Meeting, 28-31 March, Myrtle Beach, SC.

Smith, G. A., and A. C. Hoffman\*. 2017. Population dynamics of feral and free-ranging domestic cat colonies in NE Ohio: landscape, turnover, and sympatric wildlife. Ohio Community Wildlife Cooperative Conference, 8 November, Columbus, OH. (Invited Poster)

Smith, G. A., R. J. Trimbath\*, and D. R. Garrett\*. 2017. Nesting success of Hooded Warblers in exotic shrubs: multi-trophic interactions in the forest understory. Joint

meeting of American Ornithological Society and Society for Canadian Ornithologists, 31 July - 5 August, East Lansing, MI. (Poster)

Crawford, B.\*, S. Hamrick\*, A. Foster, J. Young, and G. Smith. 2017. Natural selection on growth and locomotor development in eastern cottontail rabbits. Association of Southeastern Biologists Annual Meeting, 29 March - 1 April, Montgomery, AL. (Poster)

Greier, H. R.\*, and G. A. Smith. 2016. Population dynamics of feral and free-ranging domestic cat colonies with implications for management. McNair Scholars Undergraduate Research Conference, 21-23 July, Buffalo, NY.

Hatch, S. K.\*, and G. A. Smith. 2015. Movement and migratory behavior of tree bats (*Lasiurus* and *Lasionycteris*) within the western basin of Lake Erie. North American Society for Bat Research Annual Symposium, 28-31 October, Monterey, CA. (Poster)

Hamrick, S.\*, B. Crawford\*, and G. A. Smith. 2015. Natural selection on growth and locomotor development in eastern cottontail rabbits (*Sylvilagus floridanus*). *Fall Into Nature*, University of Akron Field Station Open House, 17 October, Akron, OH. (Poster)

Foster, A. D., M. T. Butcher, G. A. Smith, and J. W. Young. 2015. The spring in their step: ontogeny of ankle joint mechanics in eastern cottontail rabbits (*Sylvilagus floridanus*). Society for Integrative and Comparative Biology Annual Meeting, 3-7 January, West Palm Beach, FL.

Young, J. W., A. D. Foster, A. Thakore, G. A. Smith, and M. T. Butcher. 2015. Ontogeny of hind limb bone safety factors in eastern cottontail rabbits (*Sylvilagus floridanus*). Society for Integrative and Comparative Biology Annual Meeting, 3-7 January, West Palm Beach, FL.

Donovan, W. J., E. R. Wheland, A. Bilia, and G. A. Smith. 2014. Faculty lessons learned in the development, implementation, and evaluation of a SENCERized learning community for non-declared majors. American Chemical Society National Meeting, 16-20 March, Dallas, TX. (Poster)

Trimbath, R. J.\*, C. Cope\*, R. Curtis, and G. A. Smith. 2014. Understanding combined effects of white-tailed deer and exotic earthworms on understory plant communities in northeast Ohio. Ohio Natural History Conference, 15 February, Columbus, OH.

Rose, J. A., G. A. Russo, J. W. Young, G. A. Smith, and M. T. Butcher. 2014. Ontogeny of locomotor performance in eastern cottontail rabbits: I. Hindlimb muscle architecture and fiber type. Society for Integrative and Comparative Biology Annual Meeting, 3-7 January, Austin, TX.

Young, J. W., G. A. Russo, J. A. Rose, M. T. Butcher, and G. A. Smith. 2014. Ontogeny of locomotor performance in eastern cottontail rabbits: II. Hindlimb joint work during acceleration. Society for Integrative and Comparative Biology Annual Meeting, 3-7 January, Austin, TX.

Smith, G. A. 2013. Coyote research in northeastern Ohio: wildlife in an urbanizing world. Northeast Ohio Regional Parks Conference, 8 January, Kirtland, OH.

Riordan, B. T.\* , R. J. Duff, and G. A. Smith. 2012. The origin of coyote populations in the Cuyahoga Valley National Park. Ohio Academy of Science Annual Meeting, 13-14 April, Ashland, OH.

Donovan, W., J. Brantner\*, R. Crowley, T. Dukes, A. Foos, J. Hodges, H. Qammar, K. Ross-Alaolmolki, G. Smith, S. Strnad\*, E. Wheland, and B. Williams. 2010. Development and implementation of a SENCER learning community for non-declared majors. Biennial Conference in Chemical Education, 1-5 August, Denton, TX.

Williams, B., H. Qammar, T. Dukes, and G. Smith. 2010. SENCER in a first-year learning community: questions to ask yourself. SENCER Summer Institute, 29 July - 2 August, Asheville, NC.

Kurz, D. J.\* , N. A. McGinty\*, S. A. Stankovich\*, and G. A. Smith. 2009. Restored wetlands provide quality habitat for mammalian communities. Tiered Mentoring / Integrated BioScience Undergraduate Research Symposium, 29 October, Akron, OH.

Humphries, M. A.\* , and G. A. Smith. 2005. Effects of small scale habitat fragmentation on space use by *Sigmodon hispidus* and *Microtus ochrogaster*. Southwestern Association of Naturalists Annual Meeting, 14-16 April, Huntsville, TX.

Humphries, M.\* , and G. A. Smith. 2005. Effects of small-scale artificial habitat fragmentation on *Sigmodon hispidus* and *Microtus ochrogaster*. Kansas Chapter of the Wildlife Society Spring Meeting, 4-5 March, Emporia, KS.

Smart, B. F.\* , and G. A. Smith. 2004. Small mammal response to within patch and landscape scale habitat at the Flint Hills National Wildlife Refuge, Kansas. Central Plains Society of Mammalogists Annual Meeting, 15-16 October, Hays, KS.

Smart, B. F.\* , G. L. Knight\*, D. L. Jirak\*, and G. A. Smith. 2003. Historic patterns in small mammal community structure at the Ross Natural History Reservation, Lyon County, Kansas. Central Plains Society of Mammalogists Annual Meeting, 26-28 September, Bull Shoals Field Station (near Branson, MO).

Smith, G. A. 2002. Terrestrial vertebrates of the Great Plains: community structure and the role of black-tailed prairie dogs. Seminar in the Department of Zoology, University of Oklahoma, 4 April, Norman, OK.

Smith, G. A., and M. V. Lomolino. 2001. Black-tailed prairie dogs and the structure of vertebrate communities on the south-central Great Plains. The Wildlife Society Annual Meeting, 25-29 September, Reno, NV.

Smith, G. A., and M. V. Lomolino. 2001. Black-tailed prairie dogs (*Cynomys ludovicianus*) and the structure of terrestrial vertebrate communities. American Society of Mammalogists Annual Meeting, 16-20 June, Missoula, MT.

Lomolino, M. V., and G. A. Smith. 2001. Biogeographic dynamics of black-tailed prairie dog (*Cynomys ludovicianus*) towns: patterns of town coverage and persistence. American Society of Mammalogists Annual Meeting, 16-20 June, Missoula, MT.

Lomolino, M. V., and G. A. Smith. 1999. Biogeographic dynamics of prairie dog towns. Black-tailed prairie dog workshop, sponsored by U.S. Fish and Wildlife Service, National Wildlife Federation, Multi-state Black-tailed Prairie Dog Working Group, and Arizona Department of Fish and Game, 30 November - 1 December, Phoenix, AZ.

Lomolino, M. V., R. Channell, and G. A. Smith. 1997. Splendid isolation: patterns of geographic range collapse in endangered species. Seventh International Theriological Congress, 6-11 September, Acapulco, Mexico. (Poster)

Smith, G. A., M. V. Lomolino, M. J. Shaughnessy, Jr., and S. G. Shropshire\*. 1997. Distribution, persistence, and conservation of black-tailed prairie dog colonies in Oklahoma. Society for Conservation Biology Annual Meeting, 6-9 June, Victoria, British Columbia. (Poster)

Smith, G. A. 1996. Ecomorphology and habitat segregation of American Kestrels wintering in northeastern Mississippi. American Ornithologists' Union / Raptor Research Foundation Joint Meeting, 13-17 August, Boise, ID.

Smith, G. A. 1996. The ecological implications of body size for the habitat segregation of wintering American Kestrels in northeastern Mississippi. Seminar in the Department of Biological Sciences, Mississippi State University, 26 April, Mississippi State, MS.

Smith, G. A. 1996. The importance of body size for the sexual segregation of habitats by wintering American Kestrels (*Falco sparverius*) in northeastern Mississippi. 12th Annual Symposium of Graduate Student Research in the Biological Sciences. University of Southern Mississippi, 30 March, Hattiesburg, MS.

Hole, R. B., Jr. and G. A. Smith. 1994. Observer variation as a factor in standardized wing measurements. Inland Bird Banding Association / Mississippi Ornithological Society Joint Meeting, 21-23 October, Biloxi, MS.

**AWARDS AND HONORS:**

Distinguished Teaching Award Semi-Finalist. 2022. Kent State University at Stark.

Distinguished Teaching Award Finalist. 2021. Alumni Association, Kent State University.

Faculty Recognition Award (“Teaching that made a difference.”), University Teaching Council, Kent State University, Fall 2019.

Distinguished Teaching Award Finalist. 2018 and 2019. (Semi-Finalist in 2020 when the process was halted due to COVID-19). Kent State University at Stark.

Distinguished Teaching Award Nominee. 2015, 2017, 2018, 2019, 2020, 2022, 2025, and 2026. Kent State University at Stark.

National Residence Hall Honorary “Favorite Faculty.” 2007. University of Akron.

Elected Full Member, Sigma Xi, The Scientific Research Society, Spring 2003.

Outstanding Teaching Assistant of the Year, 1995-1996. Department of Biological Sciences, Mississippi State University.

Best Paper Award: non-USM student. 12th Annual Symposium of Graduate Student Research in the Biological Sciences. University of Southern Mississippi, Hattiesburg, Mississippi, 30 March 1996.

Elected Associate Member, Sigma Xi, The Scientific Research Society, Spring 1995.

Dean’s List, University of Florida, Fall 1990.

Honors High School Graduate, June 1988.

**PROFESSIONAL SOCIETIES:**

American Association for the Advancement of Science (AAAS)

American Ornithological Society (AOS)

American Society of Mammalogists (ASM)

Ecological Society of America (ESA)

National Association of Biology Teachers (NABT)  
Ohio Academy of Science  
The Wildlife Society (TWS)

**SERVICE:**

Associate Editor, The Ohio Journal of Science, Spring 2024 - Present.

Biological Sciences Coordinator, Kent State University at Stark, Spring 2023 - Present.

Member, Faculty Cabinet, Kent State University at Stark, Summer 2022 - Spring 2023.

Member, Assistant to the Dean Search Committee, Kent State University at Stark, Spring 2022.

Member, Associate Provost for Academic Affairs Search Committee, Kent State University, Spring 2022.

Chair, University Libraries Advisory Committee, Kent State University, Fall 2021 - Present.

Chair, Regional Campuses Faculty Advisory Council, Kent State University, Fall 2021 - Spring 2022.

Advisor, Wildlife Club, Kent State University at Stark, Fall 2020 - Present.

Chair, Faculty Council, Kent State University at Stark, Summer 2020 - Spring 2022.

Member, Faculty Advisory Committee (FAC), Department of Biological Sciences, Kent State University, Spring 2020.

Moderator, University Teaching Council 'Celebrating College Teaching' Conference, Kent State University. Fall 2019.

Treasurer, The Wildlife Society Biological Diversity Working Group, Fall 2019 - Present.

Member, Committee II, Kent State University at Stark, Fall 2019 - Spring 2020.

Member, Ad Hoc Committee on Evaluation of Peer-Review, Department of Biological Sciences, Kent State University, Fall 2019 - Spring 2020.

Moderator, University Teaching Council 'Celebrating College Teaching' Conference, Kent State University. Fall 2018.

Member, Travel Grant Review Committee, The Wildlife Society, Spring 2019.

Member, Faculty Search Committee, Kent State University at Stark, Spring 2019.

Chair, Faculty Technology Committee, Kent State University at Stark, Fall 2018 - Spring 2019.

Member, University Teaching Council, Kent State University, Fall 2018 - Spring 2019.

Member, Faculty Council, Kent State University at Stark, Fall 2017 - Spring 2018.

Member, Faculty Technology Committee, Kent State University at Stark, Fall 2015 - Spring 2018.

Chair, Ohio Bird Conservation Initiative, Fall 2012 - Summer 2016.

Member, Undergraduate Curriculum Committee, Department of Biological Sciences, Kent State University, AY 2014-2015; 2015-2016; 2017-2018 .

Member, Ad Hoc Committee on Teaching and Curriculum, Department of Biological Sciences, Kent State University, Fall 2014 - Spring 2015.

Manuscript referee: American Midland Naturalist, Auk, Behavioral Ecology, Biodiversity and Conservation, Biological Conservation, Ecography, Florida Field Naturalist, Journal of Arid Environments, Journal of Range Management, Mammalian Biology, Ohio Journal of Science, Prairie Naturalist, Range Management, Southwestern Naturalist, Transactions of the Kansas Academy of Science, Western North American Naturalist.

Member, Board of Trustees, Ohio Biological Survey, Spring 2008 - Fall 2011.

Secretary, Organization of Biological Field Stations, Spring 2008 - Spring 2012.

Member, Conservation Planning and Research Committee, Ohio Bird Conservation Initiative, Fall 2007 - Fall 2012.

Judge, Biology Undergraduate Research Symposium, University of Akron, Spring 2007.

Member, Advisory Council, Ohio Biological Survey, Spring 2007 - Spring 2008.

Member, Promotion of and Departmental Funding Committee, Department of Biology, University of Akron, Fall 2007 - Present.

Member, Campus Green Team, University of Akron, Fall 2007 - Present.

Member, Committee on Small and New Field Stations, Organization of Biological Field Stations, Fall 2006 - Spring 2008.

Coordinator, Brown Bag EcoLunch Seminar Series, Department of Biology, University of Akron, Fall 2006 - Spring 2007.

Member, Field Station Committee, University of Akron, Summer 2006 - Present.

Member, Council-at-Large, Kansas Academy of Science, Spring 2006.

Member, Editorial Committee, The Kansas School Naturalist, Summer 2005 - Spring 2006.

Vice-President, Emporia State University Chapter of Sigma Xi, Spring 2005 - Spring 2006.

Secretary/Treasurer, Kansas Chapter of the Wildlife Society, Spring 2005 - Spring 2006.

Chair, Local Planning Committee, Kansas Chapter of the Wildlife Society Spring Meeting, Emporia, KS, 4-5 March 2005.

Vice-Chairman, Kansas Nongame Wildlife Advisory Council, Kansas Department of Wildlife and Parks, Fall 2004 - Spring 2006.

Chair, Zoology Emphasis Committee, Department of Biological Sciences, Emporia State University, Fall 2004 - Spring 2006.

Associate Editor for Ornithology, The Prairie Naturalist, Spring 2004 - Fall 2008.

Secretary, Emporia State University Chapter of Sigma Xi, Spring 2003 - Spring 2005.

Faculty Sponsor, Student Chapter of Ducks Unlimited, Emporia State University, Fall 2004 - Spring 2006.

Member, Student Health Center Advisory Committee, Emporia State University, Fall 2003 - Spring 2004.

Member, Kansas Nongame Wildlife Advisory Council, Kansas Department of Wildlife and Parks, Fall 2003 - Spring 2006.

Chair, Local Planning Committee, Central Plains Society of Mammalogists Annual Meeting, Emporia, KS, 11-12 October, 2002.

Invited Participant, Mountain Plover and Black-tailed Prairie Dog Workshop, The Nature Conservancy, Denver, CO, 10-11 October, 2002.

Judge, 4-H Wildlife Exhibits, Kansas State Fair, Hutchinson, KS, 7 September 2002.

Chair, Natural Areas Advisory Committee, Emporia State University, Fall 2002 - Spring 2006.

Member, Environmental Biology and Zoology Emphasis Committees, Department of Biological Sciences, Emporia State University, Fall 2002 - Spring 2006.

Member, GeoSpatial Analysis Committee, Emporia State University, Fall 2002 - Spring 2006.

Faculty Sponsor, Biology Club, Emporia State University, Fall 2002 - Spring 2006.

Member, Biological Diversity Working Group, The Wildlife Society, Fall 2001 - Present.

Member, Conservation Exchange Group, Conservation Working Group including Oklahoma Natural Heritage Inventory, Oklahoma Biological Survey, Oklahoma Department of Wildlife Conservation, US Fish and Wildlife Service, and The Nature Conservancy, Summer 2001 - Summer 2002.

Member, Oklahoma Black-tailed Prairie Dog State Working Group, Oklahoma Department of Wildlife Conservation, Oklahoma City, OK, Fall 1999 - Summer 2002.

Member, Core Database Development Working Group, Oklahoma Biological Survey, University of Oklahoma, Summer 2001 - Summer 2002.

Member, Internship Committee, Oklahoma Biological Survey, University of Oklahoma, Summer 2001 - Summer 2002.

President, Zoological Association of Graduate Students (ZAGS), Department of Zoology, University of Oklahoma, 1999 - 2000.

Member, Library Committee, Department of Zoology, University of Oklahoma, 1999 - 2000.

Secretary / Treasurer, Zoological Association of Graduate Students (ZAGS), Department of Zoology, University of Oklahoma, 1998 - 1999.

Member, Graduate Studies Committee, Department of Zoology, University of Oklahoma, 1997 - 1998.

Contributor, "Biosurvey News," Newsletter of the Oklahoma Biological Survey, University of Oklahoma, Fall 1999.

Contributor, "Recent Literature", North American Bird Bander, December 1996 - Present.

Chair, Scientific Session (Raptor Morphology), American Ornithologists' Union / Raptor Research Foundation Joint Meeting, 13-17 August 1996, Boise, ID.

Member, Local Committee, Inland Bird Banding Association / Mississippi Ornithological Society Joint Meeting, 21-23 October 1994, Biloxi, MS.

Member, Biology Club (BIO), University of Florida, 1990-1992.