

Curriculum Vitae

NAME

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Department of *****
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Present Positions Professor and Chair of the Department of Biology, and Director of the Center for Reptile and Amphibian Conservation and Management.

Educational Experience

- 1991-92 Betz Postdoctoral Fellow: Department of Bioscience and Biotechnology, Drexel University, Philadelphia, PA, with Dr. James R. Spotila. Principal projects of this ten-month appointment were the molecular basis of temperature-dependent sex determination in reptiles, and the physiology of leatherback sea turtles.
- 1986-91 Ph.D., Biology: University of California, Riverside, CA, with Dr. Vaughan H. Shoemaker. Active in both Evolutionary Biology and Physiology Programs. Dissertation title: "The Thermal Ecology of the Southern Alligator Lizard, *Elgaria multicarinata*."
- 1982-87 M.S., Biology: San Diego State University, San Diego, CA, with C. O'Neil Krekorian. Vertebrate Biology Program. Thesis title: "The Foraging Behavior of *Coleonyx variegatus*, and its Influence on other Aspects of the Species' Biology."
- 1977-81 B.A., Biology: Pomona College, Claremont, CA. Senior Thesis: "Adaptations to Nocturnality in Geckos."

Professional Experience

- 2003-present Professor and Chair, Department of Biology, Indiana-University-Purdue University Fort Wayne, Fort Wayne, IN.
- 2000-present Director, Center for Reptile and Amphibian Conservation and Management, Indiana-University-Purdue University Fort Wayne, Fort Wayne, IN.
- 1998-2003 Associate Professor, Department of Biology, Indiana University-Purdue University Fort Wayne, Fort Wayne, IN.
- 1992-1998 Assistant Professor, Department of Biology, Indiana University-Purdue University Fort Wayne, Fort Wayne, IN.

Publications and Productions

Peer-Reviewed Articles

Gibson, S. E., Z. J. Walker, and B. A. Smith. *Accepted with revision*. Microhabitat preferences of the Timber Rattlesnake (*Crotalus horridus*) in the Hardwood Forests of Southern Indiana. *In: Biology of the Rattlesnakes*, K. R. Beaman, S. P. Bush, M. D. Cardwell, and W. K. Hayes, eds.

Roe, J. H., J. K. Gibson, and B. A. Smith. *In press*. Beyond the wetland border: estimating the impact of roads for two species of watersnakes. *Biological Conservation*.

Marshall, J. C., Jr., J. M. Manning, and B. A. Smith. *In press*. Movement and macrohabitat selection of the Eastern Massasauga in a fen habitat. *Herpetologica*.

Booklets, Guides, and other Publications of Interest

Williams, R. N., B. MacGowan, B. A. Smith, and Z. J. Walker. 2006. "Salamanders of Indiana." Purdue University Extension and the Indiana Department of Natural Resources. *In press*.

MacGowan, B., B. A. Smith, and R. N. Williams. 2005. "Turtles of Indiana" Purdue University Extension and the Indiana Department of Natural Resources. 63 pp.

Tansy, C. and B. Smith. 2005. Copperbelly Water Snake (Northern Population) Recovery Outline. I.S. Fish and Wildlife Service. 17 pp.

Funding Acquired for Research and Outreach in the Last Ten Years

2005 Michigan Department of Natural Resources. \$70,900. "Ecology and conservation of Eastern Fox Snakes in southeastern Michigan." Contract not in place.

2005 US Fish and Wildlife Service, \$40,000. "Headstarting and Relocation of Watersnakes."

2005 Michigan Department of Military and Veterans Affairs, \$46,420. "Effects of Prescribed Fire on the Eastern Box Turtle at Camp Grayling."

- 2005 Michigan Department of Military and Veterans Affairs, \$102,570. "Response of Eastern Massasauga to Management at Camp Grayling."
- 2005 Michigan Department of Natural Resources, \$83,550. "Massasauga Ecology and Response to Construction and Restoration Efforts."
- 2004 Huron-Clinton Metropark Authority, \$14,000. "Massasauga Ecology at Indian Springs Metropark."
- 2004 Edward Lowe Foundation, \$18,400. "Kirtland's Snake."

Courses Taught

Animal Behavior- examination of proximate and ultimate causes of behavior
Conservation Biology- ecological theory as relates to conservation
GIS Methods- introduction to geographical information systems
Principals of Structure and Function- majors' introduction to comparative physiology
Vertebrate Biology- origins and adaptations of major vertebrate lineages
Environmental Science- nonmajors introduction to environmental science
Comparative Physiology- both upper and lower level courses have been taught
Functional Morphology- form and function of vertebrate structures
Nonmajors Introductory Biology- general survey course for non-majors

Professional Affiliations

Herpetologist's League
Indiana Academy of Sciences
Sigma Xi
Society of Conservation Biologists
Society for the Study of Amphibians and Reptiles

Recent Service

Center for Reptile and Amphibian Conservation and Management
Founder and Director. The mission of the "Herp Center" is to promote the understanding and conservation of reptiles and amphibians. To achieve this goal, the Center engages in scientific research, provides educational opportunities, and develops and presents outreach materials. We have our own web site, <http://herpcenter.ipfw.edu>, which serves a variety of outreach materials, and we have also produced or contributed to several excellent hard copy conservation guides and brochures.

Partners in Amphibian and Reptile Conservation (PARC)
PARC, a newly formed consortium of individuals involved with herpetofaunal conservation across the United States (<http://parcplace.org>).

Midwest coordinator (2001-2002)

National Joint Steering Committee member (2002-present)

National Management Steering Committee (2000-present) and thus co-organizer of
“Habitat Conservation Guidelines Workshop” in Chicago in 2001

“Ephemeral Wetlands: a Vanishing Habitat”

Symposium co-organizer with Edward and Jennifer Hammer of the US
Environmental Protection Agency.

Indiana Academy of Sciences

Board of trustees of the Indiana Biological Survey (2000-present)

Biodiversity and Natural Areas Committee (1999-present)

Ecology Section Chair (2001-2002)

Chair of the Indiana Department of Natural Resources Technical Advisory
Committee for Reptiles and Amphibians, (1999 - 2005)

Chair of the Conservation Committee for the Herpetologist’s League (2002-2004)

Manuscript Reviews

Ecological Restoration, Herpetologica, Herpetological Natural History, Herpetological
Review, Journal of Herpetology, Proceedings of the Indiana Academy of Sciences,
Wildlife Society Bulletin