

CURRICULUM VITAE
DOUGLAS A. EIFLER

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EDUCATION:

PhD, Organismic and Evolutionary Biology	1996, Harvard University, Cambridge, MA
MS, Wildlife Ecology	1988, University of Florida, Gainesville, FL
BA, Biological Basis of Behavior & Philosophy	1984, U. Pennsylvania, Philadelphia, PA
MS (candidate), Mathematics	2006-present, University of Kansas

CURRENT POSITIONS:

- 1) Natural Resources Liaison, Haskell Indian Nations University; my primary responsibilities:
 - providing educational and research opportunities to Native American university students,
 - providing academic and professional mentoring to Native American undergraduate and graduate students from over 25 universities and tribal colleges, and
 - developing educational and research partnerships among universities, governmental agencies, and tribal organizations.
- 2) Program Coordinator, Native American and Pacific Islander Research Experience Program (NAPIRE), Organization for Tropical Studies (OTS); my primary responsibilities:
 - recruiting and selecting undergraduate students to participate in NAPIRE,
 - providing instruction and mentoring undergraduate research for Native American and Pacific Islander university students (all activities conducted in Costa Rica),
 - developing tropical ecology curricula for NAPIRE, and
 - recruiting, training, and supervising teams of Ph.D.-level research mentors.

TEACHING EXPERIENCE—COLLEGE COURSES:

Animal Behavior	Field Methods in Ecology	Introductory Statistics
Comparative Anatomy	General Ecology	Natural Resources Management
Conservation Biology	Integrated Pest Management	Quantitative Ecology
Ecological Invasions	Introductory Biology	Reptile Ecology

TEACHING EXPERIENCE—FIELD COURSES & NON-TRADITIONAL EDUCATION:

- Independent Student Research (1990-present): I have had over 65 undergraduates assist with my field and laboratory research program; since 1997 I have directed 21 independent undergraduate research projects. In addition, my university courses routinely require original research projects, which I also direct and supervise.
- Public Education (1990-present): I have given a variety of natural history classes and workshops to school groups (preschool through high school) and regional herpetological societies (high school & university students and adults). During summer 1999, I conducted several week long herpetology workshops for elementary school children.
- NAPIRE (Native American and Pacific Islander Research Experience Program, through the Organization for Tropical Studies (OTS), 2006-2008): I provided instruction and mentoring for undergraduate field research in tropical ecology, on site in Costa Rica. Activities were based at the Las Cruces Biological Station in southern Costa Rica, but I traveled, taught, and supervised research projects with the group throughout the country.
- SEEDS (Strategy for Ecology Education, Development and Sustainability, Ecological Society of America; 2001-2007): I coordinated and supervised ecological educational experiences as the faculty mentor for Haskell Ecology Club.
- Research in Field Ecology (grant funded excursions, to Florida 2000, 2001; Mexico 2002, 2004, 2007; & Puerto Rico 2005): I have taken Haskell students into the field for research and training during two week periods in spring.
- Natural History of a West Indian Herpetofauna (Avila University REU, Summer 2004): I was a faculty member responsible for mentoring undergraduate research on reptile ecology on St. Eustatius.
- Earthwatch Institute Student Challenge Awards Program (1999-2004): I was selected to lead five teams of 6-8 exceptional high school students in 3-4 week field research experiences focusing on lizard ecology.
- Talent Identification Program (Duke University's "TIP" program, 1996): I served as an instructor for an accelerated biology program for gifted junior high school students.

OTHER PROFESSIONAL EXPERIENCE:

- 1997 Exercise Physiologist: Conducted physiological testing of human volunteers subjected to a long-term exercise regime, designed protocols, performed statistical analysis, and supervised undergraduate and graduate research assistants; Department of Health, Sport, and Exercise Science, University of Kansas
- 1994-96 Zoologist/Database Manager: Invertebrate and vertebrate surveys, report writing, management of Kansas Natural Heritage Program database; Kansas Biological Survey, University of Kansas
- 1991 Curatorial Assistant in Ornithology: Collection maintenance; Natural History Museum, University of Kansas
- 1990-91 Curatorial Assistant in Herpetology: Collection maintenance; Natural History Museum, University of Kansas

- 1986-87 Curatorial Assistant in Herpetology: Collection maintenance; Florida Museum of Natural History, Gainesville, FL
- 1983 Research Assistant: Involved in maintenance of preserved and live collections, and in karyological studies (supervised by Dr. Charles J. Cole); Department of Herpetology, American Museum of Natural History, New York City, NY

FIELD RESEARCH EXPERIENCE:

- 2008 Foraging behavior of Deppe's whiptail lizard, *Cnemidophorus deppeii*, in Santa Rosa National Park, Costa Rica
- 2007-08 Habitat use in the semi-aquatic lizard, *Norops aquaticus*, Coto Brus & Golfito Counties, Puntarenas, Costa Rica
- 2007 Foraging decisions of the tiger whiptail lizard, *Aspidoscelis* (= *Cnemidophorus*) *tigris*, in Bahia Kino, Sonora, Mexico
- 1998-2006 Social ontogeny of collared lizards, *Crotaphytus collaris*, in southwestern Oklahoma
- 2005-06 Behavioral ecology of two sympatric endangered skinks, *Oligosoma grande* and *O. ottagense*, in Otago, South Island, New Zealand
- 2000-05 & 1990-92 Foraging ecology of the desert grassland whiptail, *Aspidoscelis* (= *Cnemidophorus*) *uniparens*, in southeastern Arizona
- 2005 Incidence of malaria among beach and forest lizards (*Ameiva* & *Anolis* spp.) in Puerto Rico
- 2005 Influence of habitat structure on movement patterns of horned lizards (*Phrynosoma cornutum*) in western Kansas
- 2004 Tail morphology and escape behavior in zebra-tailed lizards (*Callisaurus draconoides*) in Bahia Kino, Sonora, Mexico
- 2003-04 Intraspecific niche partitioning in the graceful crag lizard (*Pseudocordylus capensis*) in Hottentots Holland Mountains, Western Cape Province, South Africa
- 2002 Territory patrolling strategies of the side-blotched lizard, *Uta stansburiana*, in Bahia Kino, Sonora, Mexico
- 2000 Anti-predator behavior for non-indigenous *Hemidactylus* geckos, southern Florida
- 1999 Social behavior of *Egernia* skinks, in South Australia
- 1999 Nutrition & energetics of Texas horned lizards, *Phrynosoma cornutum*, Arizona
- 1996 Behavioral & foraging ecology of the grand skink, *Oligosoma grande*, in Otago, South Island, New Zealand
- 1995 Plant visitation by nectar-feeding geckos, *Hoplodactylus* spp., on Korapuki Island, North Island, New Zealand
- 1994 Nutritional physiology of the desert tortoise, *Gopherus agassizii*, southern Nevada
- 1993 Growth and spacing patterns in response to experimental food manipulation for the Florida scrub lizard, *Sceloporus woodi*, in southern Florida
- 1987 Individual recognition and territoriality in *Anolis uniformis*, Veracruz, Mexico
- 1987 Movement patterns of the fer-de-lance, *Bothrops asper*, Veracruz, Mexico
- 1985 Dispersal behavior of hatchling iguanas, *Iguana iguana*, Panama
- 1984 Group structure, movement, & foraging behavior of magpie jay, *Cyanocorax formosa*, in Santa Rosa National Park, Guanacaste, Costa Rica

- 1983-84 Seasonal variation in social structure and foraging behavior of Carolina chickadees, *Parus carolinensis*, Pennsylvania

LABORATORY EXPERIENCE:

- 2006 Function of hatchling coloration in Great Plains skinks (*Eumeces obsoletus*)
2002-04 Foraging decisions of the desert grassland whiptail, *Aspidoscelis*
(=*Cnemidophorus*) *uniparens*
1999-2000 Reproductive investment strategies in the gecko, *Hemidactylus garnotii*
1995 Spacing patterns in the gecko, *Hemidactylus garnotii*
1993 Nutritional physiology of the Texas horned lizard, *Phrynosoma cornutum*.
National Zoological Park, Smithsonian Institution, Washington, D.C.
1982-83 Olfactory communication in the saddle back tamarin, *Saguinus fuscicollis*. Monell
Chemical Senses Center, Philadelphia, PA.

SERVICE (CURRENT):

- Member, Tropical Forest Network of Science Educators, Smithsonian Institution/Organization
for Tropical Studies
Member, International Education Committee, Haskell Indian Nations University

PUBLICATIONS:

- EIFLER DA, EIFLER MA AND HARRIS B (2008) Foraging under the risk of predation in desert grassland whiptail lizards, *Aspidoscelis uniparens*. *Journal of Ethology* 26(2):219-223.
EIFLER DA, EIFLER MA AND EIFLER EN (2007) Habitat use and movement patterns in the graceful crag lizard, *Pseudocordylus capensis*. *African Zoology* 42(2):152-157.
EIFLER DA AND SMITH E (2007) Patch use by foraging whiptail lizards (*Aspidoscelis uniparens*). *Ethology, Ecology, & Evolution* 19:345-350.
EIFLER D AND FOGARTY S (2006) Perch selection by post-breeding collared lizards. *Amphibia-Reptilia* 27:461-463.
EIFLER D, SCHAD K, RAY J AND MCINNES L (2004) *Hemidactylus* (House Geckos). Anti-predator behavior. *Herpetological Review* 35:391-392.
EIFLER D (2001) *Egernia cunninghami* (Cunningham's Skink). Escape behavior. *Herpetological Review* 32:40.
BOTT K, BROWN T AND EIFLER D (2001) *Phrynosoma cornutum* (Texas Horned Lizard). Diet. *Herpetological Review* 32:41.
EIFLER DA AND PASSEK KM (2000) Body size effects on pursuit success and interspecific diet differences in *Cnemidophorus* lizards. *Amphibia-Reptilia* 21:477-484.
EIFLER DA AND EIFLER MA (1999) Foraging behavior and spacing patterns of the lizard *Oligosoma grande*. *Journal of Herpetology* 33:632-639.
EIFLER DA AND EIFLER MA (1999). The influence of prey distribution on the foraging strategy of the lizard *Oligosoma grande* (Reptilia: Scincidae). *Behavioral Ecology and Sociobiology* 45:397-402.
EIFLER DA AND EIFLER MA (1998) Foraging behavior and spacing patterns of the lizard *Cnemidophorus uniparens*. *Journal of Herpetology* 32:24-33.
EIFLER DA (1996) Experimental manipulation of spacing patterns in the widely foraging lizard *Cnemidophorus uniparens*. *Herpetologica* 52:477-486.
EIFLER DA (1995) Patterns of plant visitation by nectar-feeding lizards. *Oecologia* 101:228-233.

EIFLER DA (1995) *Anolis uniformis* (NCN). Feeding behavior. Herpetological Review 26:204.

EIFLER DA (1993) *Cnemidophorus uniparens* (Desert grassland whiptail). Behavior. Herpetological Review 24:150.

MANUSCRIPTS IN REVIEW:

EIFLER DA AND EIFLER MA. Habitat use in the semiaquatic lizard, *Norops aquaticus*. Studies on Neotropical Fauna and Environment.

EIFLER DA, EIFLER MA AND KARNES T. Effect of habitat visibility on territory patrolling by territorial side-blotched lizards (*Uta stansburiana*). Ethology, Ecology, & Evolution.

EIFLER DA, EIFLER MA, BONNETT M, GARDNER MG AND BULL CM. Aggregation patterns in the Australian tree skink (*Egernia striolata*). Journal of Animal Ecology.

Eifler DA and Eifler MA. Tail characteristics and use in signaling by the zebra-tailed lizard (*Callisaurus draconoides*). Journal of Zoology.

REPORTS:

FREEMAN CC, BUSBY WH, LAUVER CL, KINDSCHER K, ELLIOTT J AND EIFLER DA (1997) A natural areas inventory of the Ft. Leavenworth Military Reservation, Leavenworth, Kansas. Reports of the State Biological Survey of Kansas 77.

EIFLER DA, BUSBY WH AND FREEMAN CC (1995) A survey for protected and rare species and exemplary natural areas on the Kansas Army Ammunition Plant in Labette County, Kansas. Reports of the State Biological Survey of Kansas 64.

BROWN MT ET AL. (1987) An evaluation of the applicability of upland buffers for the wetlands of the Wekiva Basin. Final report, Center for Wetlands, University of Florida, Gainesville, FL. (7th author)