

CURRICULUM VITAE

PERSONAL

Name: Joshua Michael Parker
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EDUCATION

	Conferred	Degree
University of Wyoming (Major: Zoology and Physiology) Dissertation: "The Ecology of the Midget Faded Rattlesnake, <i>Crotalus viridis concolor</i> , in Wyoming."	2003	Ph.D.
University of Wyoming (Major: Zoology and Physiology; Minor: Statistics) Thesis: "Daily and Seasonal Habitat Use and Movements of the Wyoming Toad, <i>Bufo baxteri</i> , With the use of Radio Telemetry."	2000	M.S.
California State University, Stanislaus (Major: Biology; Minor: Chemistry)	1996	B.S.

PROFESSIONAL EXPERIENCE

2010-present Assistant Professor of Biology, Department of Natural Resources, Clayton State University, Morrow, GA.
2003-2010 Professor of Biology, Department of Biological Sciences, College of Southern Nevada, Las Vegas, NV. Tenured in 2007.
2009 (fall) Visiting Professor, Department of Biological Sciences, Idaho State University, Pocatello, ID.
1998-2003 Graduate Assistant, University of Wyoming, Laramie, WY
Research Assistant, University of Wyoming, Laramie, WY
Teaching Assistant, University of Wyoming, Laramie, WY

INDEPENDENT CONTRACTS

2010 TEC, Inc. Survey for Midget Faded Rattlesnakes in Sweetwater County, WY.
2010 TEC, Inc. Survey for Midget Faded Rattlesnake near Rangely, CO.

COURSES TAUGHT

Human Anatomy & Physiology I & II Lecture and Laboratory (CSU: Biol 1151 & 1152)
Comparative Anatomy of Vertebrates Lecture and Laboratory (CSU: Biol 3650)
Biology Seminar (CSU: Biol 4500)
Principles of Biology II Lecture and Laboratory (CSU: Biol 1108)
Introduction to Biology I & II Lecture and Laboratory (CSU: 1111 & 1112)
Fundamentals of Life Science Lecture and Laboratory (CSN: Biol 189)
Introduction to Organismal Biology Lecture and Laboratory (CSN: Biol 197)
General Biology for Non-Majors Lecture & Laboratory (CSN: Biol 101)

Life in the Oceans Lecture (CSN: Biol 113)
Basic Principles of Biology Lecture (CSN: Biol 130)
Human Anatomy and Physiology I Laboratory (CSN: Biol 223)
General Biology for Majors Laboratory (University of Wyoming)
Comparative Chordate Anatomy Laboratory (University of Wyoming)

PEER-REVIEWED PUBLICATIONS

1. **Parker, J.M.**, T. Warfel, M. Ishimatsu, D. J. Stevenson. (*in review*). *Storeria dekayii* (Brownsnake). Herpetological Review.
2. Oyler-McCance, S. J., **J. M. Parker**. 2010. A population analysis of the midget faded rattlesnake in Wyoming. Conservation Genetics. DOI: 10.1007/s10592-009-0043-6
3. Oyler-McCance, S. J., **J. M. Parker**. 2010. Characterization of ten microsatellite loci in midget faded rattlesnake (*Crotalus oreganus concolor*). Molecular Ecology Notes. DOI: 10.1007/s12686-010-9181-x
4. **Parker, J. M.**, S. H. Anderson. 2007. Ecology and behavior of the Midget Faded Rattlesnake (*Crotalus oreganus concolor*) in Wyoming. Journal of Herpetology 41:41-51.
5. Oyler-McCance S. J., J. St. John, **J. M. Parker**, S. H. Anderson. 2005. Characterization of microsatellite loci isolated in Midget-faded Rattlesnakes (*Crotalus viridis concolor*). Molecular Ecology Notes 5: 452-453.
6. **Parker, J. M.**, and S. H. Anderson. 2003. Habitat use and movements of the Wyoming toad, *Bufo baxteri*. Journal of Wildlife Management 67: 439-446.
7. **Parker, J.M.**, and S.H. Anderson. 2002. *Crotalus viridis concolor* (midget faded rattlesnake). Maximum length. Herpetological Review 33:140.
8. **Parker, J. M.**, S. H. Anderson, and Fredrick Lindzey. 2000. *Bufo baxteri* (Wyoming Toad), predation. Herpetological Review 31: 161-162.

OTHER PUBLICATIONS

9. **Parker, J.M.**, S. Spear. 2011. Midget Faded Rattlesnake: Research and Conservation. Herp Nation 2(3): 34-42.
10. **Parker, J.M.**, and S.H. Anderson. 2001. Identification guide to the herptiles of Wyoming. Wyoming Game and Fish Department. 41pp.
11. **Parker, J.M.**, and S.H. Anderson. 2000. Report on the status of *Crotalus viridis concolor*. United States Fish and Wildlife Service. 14pp.

PHOTOGRAPHY PUBLISHED

1. Moulin, T. 2010. Southern Nevada Bouldering. ISBN: 978-0-615-34927-5. 416pp.
2. **Parker, J.M.**, S. Spear. 2011. Midget Faded Rattlesnake: Research and Conservation. Herp Nation 2(3): 34-42.

SCHOLARSHIPS, FELLOWSHIPS, GRANTS, AND CONTRACTS

Research Grants from:

- 2010-2011: "Conservation and Management of Midget Faded Rattlesnakes (*Crotalus oreganus concolor*) in Wyoming"
Wyoming Game and Fish Department (2010: \$96,000, 2011: \$91,000; my Co-Principal Investigator and I are handling the grant through a snake conservation organization called The Orianna Society).
- 2008-present: National Institute of Health, INBRE, Nevada Biomedical Student Pipeline Program, Bridge Workshop Instructor.
- 2000-2003: "The Ecology of the Midget Faded Rattlesnake, *Crotalus viridis concolor*, in Wyoming."
Wyoming Cooperative Fish and Wildlife Research Unit (\$10,000)
United States Geological Survey (\$100,000)

Wyoming Game and Fish Department (\$50,000)
United States Fish and Wildlife Service (\$20,000)
Bureau of Land Management (\$20,000)
Bureau of Reclamation (\$10,000)
National Fish and Wildlife Foundation (\$10,000)
1998-2000: "Daily and Seasonal Habitat Use and Movements of the Wyoming Toad, *Bufo baxteri*,
With the use of Radio Telemetry."
Wyoming Game and Fish Department (\$10,000)
U.S. Fish and Wildlife Service (\$10,000)
Wyoming Cooperative Fish and Wildlife Research Unit (\$10,000)
Conservation Endowment Fund (CEF) of the American Zoo and Aquarium Association (AZA)
(\$10,000)

Federal & State Contracts:

2000: U. S. Fish and Wildlife Service: federal status report on the *Crotalus viridis concolor*.
(\$5,000)
2000: Wyoming Game and Fish Department: field guide of the amphibians and reptiles of
Wyoming. (\$5,000)
George Menkens Memorial Scholarship (2001: \$7, 000)
Floyd Clark Memorial Scholarship (2002: \$2,500)
George Baxter Fellowship (1999: \$200)
Plummer Scholarships(2) (2000-2001: \$100)
NSF EPSCoR Grant (2002: \$9,000)
Scott-Walter Travel Award (2001: \$100)
Paul-Stock Grant-In-Aid Scholarship(4) (1999-2002: \$100)

PROFESSIONAL TALKS AND PAPERS PRESENTED

2011 Joint Meeting of Ichthyologists and Herpetologists. (Minneapolis, MN)
"Integrating genetics and habitat modeling to inform conservation of Midget Faded
Rattlesnakes (*Crotalus oreganus concolor*)"
2011 Biology of the Rattlesnakes Symposium. (Tucson, AZ)
"Integrating genetics and habitat modeling to inform conservation of Midget Faded
Rattlesnakes (*Crotalus oreganus concolor*)"
2009 5th Annual Snake Ecology Group Meeting. (Donnelly, ID)
"Midget faded rattlesnake ecology and landscape modeling."
2009 Joint Meeting of Ichthyologists and Herpetologists. (Portland, OR)
"Midget faded rattlesnake biology, ecology, population genetics and landscape
modeling."
2003 Joint Meeting of Ichthyologists and Herpetologists. (Manaus, Amazonas, Brazil)
"Does prey distribution influence midget faded rattlesnake migrations?"
2003 Improvement and Management of Sagebrush Communities in Wyoming. (Rock Springs, WY)
"The Herptiles of the Sagebrush Steppe"
2002 The Wildlife Society, National Meeting. (Bismark, ND)
"Habitat associations and behavioral shifts in the midget faded rattlesnake,
Crotalus viridis concolor."
2002 Joint Meeting of Ichthyologists and Herpetologists. (Kansas City, MO)
"Habitat associations and behavioral shifts in the midget faded rattlesnake,
Crotalus viridis concolor."
2001 The Wildlife Society, Annual Meeting of the Wyoming Chapter. (Laramie, WY).
"Habitat associations and movements of the midget faded rattlesnake, *Crotalus viridis
concolor*, in Wyoming."

- 2001 Idaho Herpetological Society. (Boise, ID).
 “Habitat associations and movements of the midget faded rattlesnake, *Crotalus viridis concolor*, in Wyoming.”
- 2001 The Wildlife Society, National Meeting. (Reno, NV).
 “Repatriation of the Wyoming toad, *Bufo baxteri*: a comparison between wild and captive-raised adult habitat use in the wild.”
 “Habitat associations and movements of the midget faded rattlesnake, *Crotalus viridis concolor*, in Wyoming.”
- 2001 Society of Conservation Biology. (Hilo, HI).
 “Repatriation of the Wyoming toad, *Bufo baxteri*: a comparison between wild and captive-raised adult habitat use in the wild.”
- 2000 Idaho State University, Dr. Charles Peterson Herpetology Laboratory. (Pocotello, ID).
 “Management of the Wyoming Toad, *Bufo Baxteri*, and Research on the Midget Faded Rattlesnake, *Crotalus viridis concolor*.”
- 2000 Idaho Small Population Management Workshop. (McCall, ID).
 “Management of the Wyoming Toad, *Bufo baxteri*, and research on the Midget Faded Rattlesnake, *Crotalus viridis concolor*.”
- 2000 Joint meeting of American Society of Ichthyologists and Herpetologists, American Elasmobranch Society, Neotropical Ichthyological Society, Herpetologists’ League, Canadian Association of Herpetologists, and the Society for the Study of Amphibians and Reptiles. (La Paz, BC, MX).
 “The Wyoming toad, *Bufo baxteri*: habitat use and movements of the last wild population.”
- 2000 The Laramie Audubon Society. (Laramie, WY).
 “Wyoming toad, *Bufo baxteri*, history and research.”
- 1999 American Fisheries Society 34th Annual Meeting of the Colorado-Wyoming Chapter. (Cheyenne, WY).
 “Implications of an inherent problem associated with small population management as illustrated by predation on the last wild population of Wyoming toads, *Bufo baxteri*.”
- 1999 Joint Meeting of American Society of Ichthyologists and Herpetologists, American Elasmobranch Society, Herpetologists’ League, and the Society for the Study of Amphibians and Reptiles. (Penn State, PA).
 “Implications of an inherent problem associated with Small population management as illustrated by predation on the last wild population of Wyoming toads, *Bufo baxteri*.”
- 1999 The Wildlife Society, Annual Meeting of the Wyoming State Chapter. (Casper, WY).
 “The Wyoming toad, *Bufo baxteri*: habitat use and movements of the last wild population.”

SCIENTIFIC ORGANIZATION MEMBERSHIP

Ecological Society of America, SEEDS, Clayton State University Chapter: 2011-present – faculty advisor

Southern Nevada Herpetological Society

Society for the Study of Amphibians and Reptiles: 1999-present

American Society of Ichthyologists and Herpetologists: 1999-present

Herpetologists’ League: 1999-present

Wildlife Society

1999/2000 – vice-president of the Wyoming Student Chapter

2000/2001 – executive board member of the Wyoming Student Chapter

RECENT COLLEGE SERVICE

2011 Laboratory Safety Committee-CSU
2011 Career Services Faculty Support Team-CSU
2010-present Teacher of the Year Committee-CSU
2010-present Science Building Design Team-CSU
2008-2010 Evaluation Committee (standing committee)-CSN
2008. Viability of 100% DE for Non-Resident Full-Time Faculty Committee-CSN
2008. Biology Faculty Search Committee-CSN
2006. Part-timer Appreciation Committee-CSN
2005-2007. CCSN campus-wide Technology Committee (standing committee)-CSN
2005. Microbiology Faculty Search Committee-CSN
2005. Grade Appeals Committee-CSN
2004. Biology Faculty Search Committee-CSN