

Short Curriculum Vitae
Charles R. Peterson
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Addresses

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Personal Information

Date of Birth: June 5, 1949
Place of Birth: Rockford, Illinois

Educational History

1983-88	Postdoctorate	University of Chicago
1974-82	Ph.D Zoology	Washington State University
1972-74	M.S. Zoology	University of Illinois, Urbana
1967-72	B.S. Zoology	University of Illinois, Urbana

Positions Held

1998 -> Professor, Department of Biological Sciences, Idaho State University
1988-> Curator of Ichthyology and Herpetology, Idaho Museum of Natural History
1996 -> Affiliate Faculty, Department of Fish and Wildlife Resources, University of Idaho
1993-98 Associate Professor, Department of Biological Sciences, Idaho State University
1988-93 Assistant Professor, Department of Biological Sciences, Idaho State University
1985-88 Research Associate (Assistant Professor), Department of Biology, University of Chicago
1983-85 Lecturer, Department of Anatomy, University of Chicago
1979-83 Instructor, Basic Medical Sciences Program, Washington State University
1975-79 Teaching Assistant, Department of Zoology, Washington State University
1974-75 Research Assistant, Department of Zoology, Washington State University
1972-74 Teaching Assistant, Department of Zoology, University of Illinois

Research: Ecology and conservation of amphibians and reptiles

Teaching: Evolution, Conservation, Herpetology, Physiological Ecology, and GeoTechnologies

Society Memberships Society Memberships Society Memberships

American Society of Ichthyologists and Herpetologists, Herpetologists' League, Sigma Xi, Society for Conservation Biology, Society for the Study of Amphibians and Reptiles, Society for Northwestern Vertebrate Biology, Species Survival Commission/ International Union for the Conservation of Nature, The Wildlife Society

Awards

2002 Outstanding Researcher, Idaho State University
2001 Distinguished Public Service, Idaho State University
2000 Outstanding Public Service, Idaho State University
1999 Outstanding Researcher, Idaho State University
1998 Professional Wildlife Biologist Award, Idaho Chapter of The Wildlife Society
1997 Outstanding Herpetologist, Idaho Herpetological Society
1992 Zenith Data Systems, Masters of Innovation Competition IV. "A Portable PC-Based Data Acquisition System for Monitoring the Activity of Free-Ranging Animals."
1981 Stoye Award (Honorable Mention). American Society of Ichthyologists and Herpetologists.

Selected Recent Funding:

- Pending. NSF. Complexity Across Boundaries – Coupled Human and Natural Systems in the Yellowstone Northern Elk Winter Range. \$1,971,993. PIs: David McGinnis and David Bennett. CoPIs: C.R. Peterson and others.
- 2001-2003. NASA. "Wildfire Effects on Rangeland Ecosystems and Livestock Grazing in Idaho." \$500,000. (PI: K.T. Weber, CoPIs: N.F. Glenn, R.N. Holmer, P.K. Link, H.D.G. Maschner, C.R. Peterson.)
- 2001-2002. National Park Service. "Greater Yellowstone Network Herpetological Inventory." \$29,100.
- 2002-2003. DOE/S.M. Stoller Corporation. "Monitoring Amphibian and Reptile Populations on the INEEL." \$15,758. (PI; Christopher Jenkins, CoPI).
- 2000-2001 USGS BRD. "Status And Trends of Amphibian Populations in the Greater Yellowstone Ecosystem." \$71,000. [PI; Debra Patla, CoPI].
1999. Idaho National Guard. "The Occurrence, Distribution, Relative Abundance, and Habitat Relationships of Amphibians and Reptiles on the Idaho National Guard Training Area." \$30,000.
- 1998-2003. National Park Service. "Survey and Inventory of the Reptile and Amphibian Fauna of Craters of the Moon National Monument, Idaho." \$60,000. [PI; John Lee, Co-PI]
- 1999-2002. Idaho State Board of Education. "Digital Atlas of Idaho II" \$580,900 (PI: P. Link; CoPIs: J. McNamara, C. Peterson, S. Sommer, K. Weber, and J. Welhan)
- 1997-1999. USGS - Biological Resources Division. "Statewide Testing of Gap Analysis Models for Amphibians and Reptiles." \$25,000.
- 1997-1999. Bureau of Land Management. "Changes in the Distribution and Relative Abundance of Reptiles Between 1978-79 and 1997-98 in the Snake River Birds of Prey Area." \$18,000.
- 1997-1998. Utah Reclamation Mitigation and Conservation Commission. "Spotted Frog Monitoring and Habitat Analysis." \$16,500.

Selected Publications:

- Arnold, S.J. and C.R. Peterson. *In press*. A model for optimal reaction norms: the case of the pregnant garter snake and her temperature-sensitive embryos. *American Naturalist*.
- Peterson, C.R., S.R. Burton, and D.A. Patla. *In press*. Using geographical information systems to design amphibian surveys. In Lannoo, M.J. (Ed.), *Status and Conservation of U.S. Amphibians*. Volume 1: Conservation Essays. University of California Press, Berkeley, California.
- Pilliod, D.S., and C.R. Peterson. 2001. Local and landscape effects of introduced trout on amphibians in historically fishless watersheds. *Ecosystems* (2001) 4:322-333.
- Vander Haegen, W. M., S. M. McCorquodale, C. R. Peterson, G. A. Green, and E. Yensen. 2001. Wildlife communities of eastside shrubland and grassland habitats. In, D. H. Johnson and T. A. O'Neil, Editors. *Wildlife habitats and species associations in Oregon and Washington*. University of Oregon Press, Corvallis.
- Bartelt, P. and C.R. Peterson. 2000. A description and evaluation of a plastic belt for attaching radio transmitters to western toads (*Bufo boreas*). *Northwestern Naturalist*. 81:122-128.
- Peterson, C.R. 1997. Checklist for amphibian survey reports. Pp. 113-122 *In: Sampling Amphibians in Lentic Habitats*. D.H. Olson, W.P. Leonard, and R.B. Bury (editors). *Northwest Fauna* 4.
- Dorcas, M.E., C.R. Peterson, and M.T. Flint. 1997. The thermal biology of digestion in rubber boas (*Charina bottae*): physiology, behavior, and environmental constraints. *Physiological Zoology* 70(3):292-300.
- Corn, P.S. and C.R. Peterson. 1996. *Prairie Legacies - Amphibians and Reptiles*. Pp. 125-134 *In: Prairie Conservation: Preserving North America's Most Endangered Ecosystem*. F.B. Samson and F.L. Knopf (editors). Island Press.
- Koch, E.D. and C.R. Peterson. 1995. *The Amphibians and Reptiles of Yellowstone and Grand Teton National Parks*. University of Utah Press, Salt Lake City, Utah. 188 pp.
- Peterson, C.R. and M.E. Dorcas. 1994. Automated data acquisition. *In: Measuring and monitoring biological diversity - Standard methods for amphibians*. Heyer, W.R., R.W. McDiarmid, M. Donnelly, and L. Hayek, (editors). Smithsonian Institution Press, Washington, D.C.
- Peterson, C.R., A.R. Gibson, and M.E. Dorcas. 1993. Snake thermal ecology: the causes and consequences of body temperature variation. Pp. 241-314 *in Snakes: Ecology and Behavior* (R.A. Seigel and J.T. Collins, eds.). McGraw-Hill Publishing Company, New York, N.Y.
- Arnold, S.J. and C.R. Peterson. 1989. A test for temperature effects on the ontogeny of shape in the garter snake *Thamnophis sirtalis*. *Physiological Zoology*, 62(6):1316-1333.
- Huey, R.B., C.R. Peterson, S.J. Arnold, and W.P. Porter. 1989. Hot rocks and not-so-hot rocks: retreat-site selection by garter snakes and its thermal consequences. *Ecology*, 70(4):931-944.
- Peterson, C.R. 1987. Daily variation in the body temperatures of free-ranging garter snakes. *Ecology*, 68(1):160-169.