

## CURRICULUM VITAE

### SAMUEL I. ZEVELOFF

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#### EDUCATION

University of Wyoming	Zoology	Ph.D.	1982
Thesis: Patterns in mating systems, body size, and species diversity of mammals			
North Carolina State University	Wildlife Biology	M.S.	1976
Thesis: Age and weight characters of raccoons in North Carolina			
The City College (NY)	Science Education	M.S.Ed.	1973
S.U.N.Y. at Binghamton	Science and Mathematics	B.A.	1972

#### EMPLOYMENT

2012-Present	Presidential Distinguished Professor of Zoology, Weber State University (title since 2006)
1987-2012	Chair and Professor, Department of Zoology, Weber State University
1984-91	Assistant, Associate Professor, Department of Zoology, Weber State University
1982-84	Visiting Assistant Professor, Department of Zoology, North Carolina State University
1982	Instructor, Department of Zoology and Physiology, University of Wyoming
1976-78	Instructor, Department of Zoology, North Carolina State University
1972-74	Biology Teacher, New York City public school system

#### ADMINISTRATION

Chair – Department of Zoology, Weber State University (1987–2012): Administered personnel and salary decisions. Managed budgets and facilities. Fund-raising.

##### Other Administrative Activities

Assisted in establishing an academic exchange with the Universidad Autónoma de Nayarit in Tepic, Mexico (2010).

President, Executive Board - North Carolina State University and N.C. chapters of The Wildlife Society. Founded state chapter (1982-84).

Science Advisor for ecoregional planning, Wild Utah; The Wildlands Project (2001-04).

Small Carnivore Specialist Group; Species Survival Commission of IUCN – The World Conservation Union, Gland, Switzerland (2004-present).

Conservation of Land Mammals Committee (American Society of Mammalogists).

#### Editing and Reviewing

1995-97 Associate Editor for Book Reviews - Journal of Wildlife Management.

1981-Present Reviewer: e.g., Journal of Mammalogy, Journal of Wildlife Management, Journal of Zoology (London), Smithsonian Institution Press, National Science Foundation, U.S. Fulbright Program.

#### Meeting Organization

2008 "Innovative Practices in Mammalogy Education" symposium, International Mammalogical Congress, Mendoza, Argentina.

1997 "Evolution of the Procyonidae" symposium, International Theriological Congress, Acapulco, Mexico.

1990 "Arid Lands: Wilderness or Wasteland?" symposium, American Association for the Advancement of Science meeting, New Orleans.

### **RESEARCH INTERESTS**

Mammalian ecology and conservation biology.

### **TEACHING EXPERIENCE**

1976-Present Weber State University, North Carolina State University, and University of Wyoming. Courses: e.g., Conservation Biology, Mammalogy, Evolution, and general education, graduate-level courses, and seminars.

Weber State University's Honors Program, e.g., taught "Nature and Art" with art historian, focusing on science and culture in late 19<sup>th</sup> century Europe.

1972-74 General Science, Biology: New York City secondary schools.

### **HONORS**

2014-15 Fulbright Scholar, U.S. State Department. Teaching and research appointment in mammalian conservation at the Institute of Wildlife Biology and Game Management, University of Natural Resources and Life Sciences, Vienna, Austria.

2011 Outstanding Alumnus Award: North Carolina State University Fisheries and Wildlife Alumni Association.

2008 Nye Cortez Professor of the Year, Weber State University Honors Program.

2006 Presidential Distinguished Professor Award, Weber State University - one of three inaugural recipients.

2005 Exemplary Collaboration Award, Weber State University, for initiating institution's Holocaust Commemoration.

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|------|---|
| 2000 | Spencer L. Seager Teaching Award, Weber State University - for outstanding teaching in the College of Science.                                  |
| 1993 | John S. Hinckley Fellow Award, Weber State University for excellence in teaching, scholarship, and service. Highest faculty honor at that time. |
| 1991 | Visiting Scholar (invited) - Large Animal Research Group, Department of Zoology, University of Cambridge, England.                              |

## GRANTS

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| 2010-11 | Utah Division of Wildlife Resources (\$11,000): "Population and Habitat Ecology of Pygmy Rabbits in Northeastern Utah".                    |
| 1994    | British Council of the British Embassy (\$2,000) to investigate exchange programs with University of Sheffield and University of Aberdeen. |
| 1985    | National Science Foundation (\$60,000): "Instrumentation for a Behavioral Ecology Laboratory Program".                                     |
| 1979    | University of Wyoming - National Park Service Research Center (\$10,000): Canada goose ecology.  |

## SOCIETIES

American Society of Mammalogists  
The Linnean Society of London  
Phi Kappa Phi (Weber State University President - 1996-97)

## PUBLICATIONS (Peer Reviewed)

### *Books*

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|------|---|
| 2002 | Raccoons, A Natural History. Smithsonian Institution Press, Washington, D.C. 200 pages. Comprehensive volume on the raccoon's biology, management, and cultural significance. Described as "sure to become the standard work on this wide-ranging species." |
| 1992 | Wilderness Tapestry: An Eclectic Approach to Preservation. University of Nevada Press, Reno. 306 pages; includes chapter "A multidimensional mandate for wilderness preservation." Senior book editor and chapter author to L.M. Vause and W.H. McVaugh.    |
| 1992 | Wilderness Issues in the Arid Lands of the Western United States. University of New Mexico Press, Albuquerque. 145 pages; includes chapter "Arid land wilderness issues." Senior book editor and chapter author to C.M. McKell.                             |
| 1988 | Mammals of the Intermountain West. University of Utah Press, Salt Lake City. 365 pages. Reviewers' remarks include "deserves to be owned and read by everyone appreciating mammalian wildlife in the Intermountain West."                                   |

## Articles

- 2016 Unique loss of cheek teeth and subsequent ossification in a mountain goat (*Oreamnos americanus*). *Mammalia* (in press), available online. Senior author to C.R. Schulze.
- 2015 On the mortality and management a ubiquitous musteloid: the common raccoon. In D. Macdonald, editor. *Biology and Conservation of Wild Musteloids*, Oxford University Press, England (in press: invited chapter).
- 2014 Population and habitat ecology of the pygmy rabbit in northeastern Utah. *Western North American Naturalist* 74(4): 456-466. With J.M. Schmalz, B Wachocki, M.Wright, and M. Skopec.
- 2011 A conversation with Ian Tattersall. *Weber: The Contemporary West*. With H. Cox and S. Geary, senior authors. Fall 2011 issue: 25-37.
- 2010 A ground-based paintball mark re-sight survey of mountain goats. *Proceedings of the Sixteenth Biennial Symposium: Northern Wild Sheep and Goat Conference*. Pages 68-77. With C. Schulze and R. F. Schulze, senior authors.
- 2010 The effect of cheatgrass on deer mouse abundance. *Ergo (Weber State University Undergraduate Research Journal)* 4: 87-97. With L.K. Hall, senior author.
- 2010 On Wolves, Wildlife, and Weather: A Conversation with Douglas W. Smith. *In The Stewardship of Public Lands: A Handbook for Educators*. N.S. Cole, ed. American Democracy Project, American Association of State Colleges and Universities, Washington, D.C. (Also in *Weber: The Contemporary West*.) Senior author to B. Bartosz and K. Gurr.
- 2003 A review of the taxonomic and conservation statuses of the island raccoons. *Small Carnivore Conservation* 2: 10-12.
- 1998 Book Review: "The Handicap Principle" by A. and A. Zahavi. *The Auk* 115(2): 544-546.
- 1994 Preserving the Great Basin. Invited Preface for "A Trace of Desert Waters" by S. Houghton. University of Nevada Press, Reno.
- 1991 Reproductive strategies: r strategy and K strategy. *In Magill's Surveys of Science, Life Science*: 2339-2345. Salem Press, Pasadena, CA.
- 1991 The sociobiology of menopause: Implications from parental investment and concealment of ovulation theories. Pp. 353-371 *in* A.M. Voda and R. Conover (eds.), *Proceedings of the Eighth Conference of the Society for Menstrual Cycle Research*, Scottsdale, AZ. Senior author to R. Conover.
- 1989 Why do human females conceal their ovulation?: The arguments and a resolution. Pp. 21-38 *in* R. Holt and R. Conover (eds.), *Great Debates and Ethical Issues*. Weber State College Press, Ogden, UT.
- 1988 Body size patterns in North American mammal faunas. Pp. 123-146 *in* M.S. Boyce (ed.), *Evolution of Life Histories of Mammals, Theory and Pattern*. Yale University Press, New Haven, CT. Senior author to M.S. Boyce.
- 1987 Human infants redux. *Human Evolution* 2(5):475-476. Senior author to M.S. Boyce.
- 1986 Maternal investment in mammals. *Nature* 321(6069):537. Senior author to M.S. Boyce.

- 1985 Seasonal weight changes in raccoons (Carnivora: Procyonidae) of North Carolina. *Brimleyana* 11:63-67. Senior author to P.D. Doerr.
- 1984 Book Review: "Growing Young" by Ashley Montagu. *Journal of Social and Biological Structures* 7(2):185-186.
- 1983 Contamination of roe deer forage in a polluted forest of southern Poland. *Environmental Pollution, A*, 30:257-276. Junior author to K. Grodzinska and W. Grodzinski.
- 1983 Island biogeographic considerations for pocosin wildlife conservation. *Journal of the Elisha Mitchell Scientific Society* 99(3):69-77.
- 1982 Why human neonates are so altricial. *The American Naturalist* 120(4):537-542. Senior author to M.S. Boyce.
- 1981 Reproduction of raccoons in North Carolina. *Journal of the Elisha Mitchell Scientific Society* 97(3):194-199. Senior author to P.D. Doerr.
- 1980 Ponderosa pine bird communities. Pp. 170-197. In R. M. DeGraaf (tech. ed.), *Proceedings of the Workshop on the Management of Western Forests and Grasslands for Nongame Birds*. U.S.D.A. Forest Service General Technical Report INT-86. Junior author to K. L. Diem.
- 1980 Parental investment and mating systems in mammals. *Evolution* 34(5):973-982. Senior author to M.S. Boyce.

#### **TECHNICAL REPORTS, POPULAR ARTICLES, RELATED ITEMS**

- 2015 Unexpected impacts - Wildlife biology from Utah in Vienna impacts on snow leopards in Tajikistan. *Fulbright Newsletter, Austrian-American Educational Commission* 10:7.
- 2014 Principal consultant for mammals for National Geographic book "Illustrated Guide to Wildlife".
- 2014 Photographs of Galapagos sea lion, eastern brown mouse lemur, diademed sifaka, and indri selected for Mammal Image Library, American Society of Mammalogists.
- 2012 Interview on dormancy for "Science Fridays", Utah Education Network; for series of discussions paired with films to raise awareness about science concepts and careers.
- 2010-13 Consultant on Canadian and Japanese films on the raccoon.
- 2009 Interviewed for msn.com article "Battling the Neighborhood Bandits: Raccoons."
- 2008 Consultant with Humane Society of America on rehabilitation of raccoons in the Florida Keys.
- 2007 Organized and provided database on bat specimens in Weber State University's collection to Utah Division of Wildlife Resources for use in Utah Natural Heritage Program.
- 2003 Participant in National Science Foundation – Research Experiences for Undergraduates award: "The Biology of the Great Salt Lake". Worked with student from University of Idaho on mesocarnivore abundance and distribution along the Great Salt Lake.
- 2000 Featured as the "raccoon expert" on [www.discovery.com](http://www.discovery.com) "Creature of the Week" series.
- 1996 Why species become threatened or endangered: A mammalogist's perspective. *American Society of Mammalogists report*.
- 1996 More cougar killings may hurt state wildlife. Another View column, *Standard-Examiner* newspaper. Sept. 6, 1996: 6a. Revised version also published in *Intermountain Fish and Game News*.
- 1995 Wilderness as a harbor of biodiversity. *Salt Lake City magazine* Nov/Dec:46-47.

- 1992 The role of research at a metropolitan university. Pp. 72-76 in The Inauguration of a Metropolitan University. Weber State University Press.
- 1986 Hamsters teach students about parental care. W.S.U. Instructional Development Newsletter.
- 1983 Islands for wildlife. Colorado Outdoors 32(4):40-43. Senior author to D.G. Krementz.
- 1978, 79 Population study of Canada geese of Jackson Hole. University of Wyoming-National Park Service Research Center Annual Report. 2:57-61; 3:54-59.

## REPRESENTATIVE PRESENTATIONS AND MEETINGS

- 2015 Natural history of common mammalian predators. Invited presentation at Biology and Management of Shorebirds and Colonial Nesting Waterbirds of Utah's Wetlands meeting, Utah Division of Natural Resources, Salt Lake City. September 2015
- 2015 The molding of inspirational behavior in the shadows of the Wasatch Range. Invited presentation at the Ogden Nature Center, Utah, June 2015. Published as guest commentary in Ogden Standard Examiner, October 6, 2015.
- 2015 The raccoon: a natural history and an unnatural future. Invited public lecture at the University of Natural Resources and Life Sciences, Vienna, Austria.
- 2014 Mortality and diseases of raccoons. Invited presentation at "Wildlife Disease Lecture Event" at Vienna, Austria's University of Veterinary Medicine. Student chapter of European Wildlife Diseases Association.
- 2014 Bat community composition in northern Utah. U.S. Fish and Wildlife Service Project Leaders meeting, Region 6. June, 2014 at Weber State University. (With K. Behunin, C. Cothran, and A. Brewerton). Also presented at 10th Annual Undergraduate Research Symposium and Celebration, Spring 2014. Abstract p.48.
- 2014 Save the Ringtails. U.S. Fish and Wildlife Service Project Leaders meeting, Region 6. June, 2014 at Weber State University. (With J. Arnt).
- 2014 Greater Yellowstone ecosystem landscape conservation. U.S. Fish and Wildlife Service Project Leaders meeting, Region 6. June, 2014 at Weber State University. (With J. deJong, C. Lansford, K. Poulter, and M. Richards).
- 2012 Comparative vegetation survey of active-, abandoned-, and non-burrow sites of the pygmy rabbit in northeastern Utah. 17<sup>th</sup> Wildland Shrub Symposium: Humans in Changing Landscapes, Las Cruces, NM. (With J. Schmalz, student-senior author, J. Hyde, B. Wachocki, M. Skopec, and M. Wright).
- 2012 Effects of human development and recreation on nest occupancy and breeding in a population of Flammulated Owls (*Otus flammeolus*) in Snowbasin Utah. National Conference on Undergraduate Research, Weber State University, Ogden, UT. (A.L. Earley, student – senior author, and M. Mika).
- 2011 Habitat ecology of the pygmy rabbit in northeastern Utah. American Society of Mammalogists meeting, Portland, OR. (J. Schmalz, –senior author, B. Wachocki, and M. Wright).
- 2011 The Galapagos, A Natural History. Invited presentation: Brigham City Library.
- 2010 Strengthening conservation efforts through international research and service exchanges – Weber State University and Universidad Autónoma de Nayarit – A Linking Communities partnership. Great Salt Lake Issues Forum, Salt Lake City, UT. With M.S. Linford, J.F. Cavitt, and J.P. Ramirez-Silva.

2009	Civic engagement exercises for mammalogy term projects. 10th International Mammalogical Congress, Mendoza, Argentina.
2009	Visions of Madagascar. Lectures: e.g., Honors Program Banquet, Weber State University
2007	Mesozoic Mammals. Invited Address: Phi Kappa Phi banquet, Weber State University.
2006	Participant: Workshop on politics and management of natural resources, Yellowstone National Park. Course offered by American Association of State Colleges and Universities' American Democracy Project to develop civic engagement activities in universities.
2005	The Feasibility of River Otter Reintroduction Into Northern Utah (U.S.A.) Drainages. International Mammalogical Congress 9, Sapporo Japan. Abstracts of presentations: 114. Co-author with W. West (undergraduate student) and A. Kozlowski.
2003	Raccoons, A Natural History. Invited lecture: National Museum of Natural History, Smithsonian Institution, Washington D.C.
1998	Geographic Body Size Variation in North American Shrews. Invited presentation, Euro-American Mammal Congress, Santiago de Compostela, Spain. Abstracts:144.
1997	Significant Issues in the Evolution of the Procyonidae. Seventh International Theriological Congress, Acapulco, Mexico. Abstracts of Papers and Posters, Seventh ITC: 395.
1994	Utah Wilderness and the Conservation of Mammalian Biodiversity. American Society of Mammalogists meeting, Washington, D.C.
1992	Chair, Conservation Biology session: American Society of Mammalogists meeting; Salt Lake City, Utah.
1989	Climatic effects on mammalian predator-prey ratios. Invited presentation, Fifth International Theriological Congress, Rome, Italy. Abstracts of Papers and Posters, Fifth ITC:857.
1985	Body size patterns in North American mammal faunas. Invited presentation, Fourth International Theriological Congress, Edmonton, Canada. Abstracts of Papers and Posters, Fourth ITC:0684. Senior author to M.S. Boyce.
1982-91	Environmental variability and the structure of North American mammal faunas. Invited seminars: e.g., University of Nevada, Reno; Oxford Brookes University, England.
1984-87	Parental investment and mating systems in mammals. Invited seminars: University of North Carolina at Wilmington; Bowdoin College; Northern Illinois University; Utah State University.

#### **STUDENT RESEARCH AND CIVIC ENGAGEMENT ACTIVITIES: RECENT EXAMPLES**

2015	Collaboration with secondary school teachers on <i>eMammal</i> , international citizen science image sharing project administered by North Carolina Museum of Natural Sciences.
2013-Present	Development of <i>Save the Ringtails</i> : a student-based philanthropy organization. Group committed to conservation of species in the raccoon family Procyonidae. Generated >\$2,500 for partnering conservation organizations ( <a href="http://www.savetheringtails.org">www.savetheringtails.org</a> ).
2013	Bat community composition in northern Utah. Support from Utah Division of Wildlife Resources.
2012	Collaboration with Weber State University Department of Visual Arts to raise awareness and support for elephant conservation. Sale of student art posters raised >\$900 for Save the Elephants. <a href="http://www.weber.edu/wsuiimages/drsamzeveloff/ElephantProjectPosters.pdf">http://www.weber.edu/wsuiimages/drsamzeveloff/ElephantProjectPosters.pdf</a>
2012	Partnership with Weber State University Department of Visual Arts to raise awareness and support for rhinoceros conservation. Art auction raised >\$700 for International Rhino Foundation.

- 2010-Present    Population ecology of pygmy rabbits in northeastern Utah. Resulted in presentation at national meeting. Support from Utah Division of Wildlife Resources, U.S. Bureau of Land Management.
- 2007-08        Population analysis of mountain goats. Resulted in peer-reviewed publication and presentation at international meeting. Support from Utah Division of Wildlife Resources.