

## CURRICULUM VITAE

### SAMUEL I. ZEVELOFF

Department of Zoology  
Weber State University  
Ogden, Utah 84408-2505  
USA  
801 626-6655 (O), 801 399-2462 (H)  
801 626-7445 (fax), [szeveloff@weber.edu](mailto:szeveloff@weber.edu)

#### 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

1987-Present	Chair and Professor, Department of Zoology, Weber State University
1984-91	Assistant, Associate Professor, Department of Zoology, Weber State University
1986-87	Administrative Intern, Academic Affairs, 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

#### ADMINISTRATIVE EXPERIENCE

Chair – Department of Zoology, Weber State University (1987 – Present)

Summary: Oversee faculty and staff appointments, promotion, tenure, and salary decisions. Schedule classes for regular and adjunct faculty at campus and off campus sites; determine online course assignments and enrollments. Manage numerous budgets, as well as facilities in several buildings. Engage in public relations and fund-raising. Appoint committee members and provide direction. Provide recommendations for sabbaticals. The Department of Zoology is the largest in the institution's College of Science with 12 faculty and over 600 majors. It offers various degrees and houses the university's Ezekiel R. Dumke Pre-Medical Program, and other pre-professional programs.

S.I.Zeveloff

### Personnel

As Department Chair, administered the hiring of 18 tenure-track faculty, 4 laboratory managers, 6 secretaries, and adjunct research and teaching faculty. Conduct annual reviews, serve as Chair of the Department Ranking Tenure Committee, and evaluate staff.

### Facilities

**DNA Laboratory:** Supervised the construction of a significant facility consisting of a large research and teaching laboratory with several adjacent rooms for specialized instrumentation. Created an institutional resource for molecular genetics education. Initial equipment funding provided by the university and a National Science Foundation grant to a colleague.

**Human Anatomy Laboratory:** Developed a unique teaching laboratory with a separate storage facility for cadavers. This facility has enhanced learning opportunities for thousands of pre-medical and other health professions students. Remodeling of this space required complex ventilation work.

**Ecology Teaching and Research Laboratory Complex:** Initiated and oversaw an extensive (~\$800K) project to create modern learning and research facilities in a complex near the university's College of Science. This site consists of a dedicated ecology teaching laboratory conducive to long-term student projects. Adjacent areas include several large rooms for faculty and student research, a laboratory preparation space which also houses the university's bird specimen collection, and two faculty offices. To support the ecological study of wetlands, obtained funding for a specialized shallow water boat. Manage the maintenance of a university van for field work.

**Physiology Teaching Laboratory:** Comprehensive remodeling of one of our major teaching laboratories. Included chemical hood installation, electrical work, setting up projection unit, and design of student laboratory benches.

**Small Animal Facility:** Extensive reconstruction of an animal complex including walls, ventilation, lighting, and the acquisition of self-contained housing units. In full compliance with Institutional Animal Care and Use Committee regulations.

**Department Computer Laboratory:** Established a portion of a teaching laboratory for bank of computers for student use. Complements course assignments. Directed installation of cables and software selection.

### Financial Management

Responsible for oversight of departmental accounts including the main operating budget, a laboratory fee account, gift and scholarship accounts, and faculty grants.

**Main Operating Budget:** This account consists of faculty and staff salaries, adjunct wages, hourly wages for student assistants, equipment and supplies, furniture, travel, operations, and maintenance.

**Laboratory Fee Account:** Developed student fees for specific courses. Prepared and submitted proposals for an institutional review process. Oversight of a significant budget for purchase of materials.

**Gift and Scholarship Accounts:** In addition to responsibility for monetary gifts to the Department, manage several student scholarship budgets to determine annual award allocations. Established the Department of Zoology Activity Scholarship for students significantly engaged in assisting with our programs.

**Grants:** Oversight responsibility for all faculty grants in Department. Includes substantial awards from the National Science Foundation, National Institutes of Health, U.S. Fish and Wildlife Service, U.S. Forest Service, Utah Division of Wildlife Resources, other government agencies, and private organizations.

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### Development

Arranged major donation of illustrations to Weber State University's Museum of Natural Science in association with the publication of my book "Mammals of the Intermountain West" (University of Utah Press 1988). These illustrations are exhibited in the Museum.

Willard L. Eccles Charitable Foundation (\$50,000): "Cell Biology and Genetics Laboratory Equipment" (2001).

Willard L. Eccles Charitable Foundation (\$50,000): "Human Anatomy and Physiology Laboratory Equipment" (2000).

Gift from donor for purchase of cadavers for Human Anatomy course (\$5,000 annually).

Collaborated with the university's Development Office to establish the Hall Pre-Pharmacy Scholarship (2001).

Stewart Educational Foundation (\$100,000) for teaching equipment for Human Anatomy and Physiology (2007).

Ezekiel R. Dumke Pre-Medical Program (\$2,000,000): donation with naming to the College of Science. As the Chair of the Department housing the Pre-Medical Advisor, assisted with the acquisition and management of this gift (2006).

Utah Higher Education Technology Initiative, and Weber State University Academic Resources and Computing Committee – Various awards for purchase of computers and projection systems to enhance classroom instruction.

Developed annual award of a pair of custom designed skis from the Evolution Ski Company for our top evolutionary ecology student.

### Curriculum

Directed numerous curriculum initiatives, including extensive restructuring of the Zoology bachelor's degree during the university's transition from a quarter to a semester system.

New course development while Chair includes such required major's courses as Comparative Physiology and Cell Biology. Created the elective course Conservation Biology and a general education class The Nature of Sex.

Reorganization of general education offerings consistent with university's learning outcomes.

Collaborated on development of the Environmental Studies emphasis for the Bachelor of Integrated Studies degree.

Created thesis program to encourage and facilitate extended undergraduate research projects.

Coordinated the reorganization of the Human Anatomy class from one with a few laboratory sections to one providing 15-20 sections every semester. Instituted a team-taught approach featuring a human cadaver laboratory with intensive dissections.

Formed Human Anatomy and Physiology Working Group to address teaching and learning issues in these large multiple-section classes.

Collaborated with deans, chairs, and faculty in three departments to create a Neuroscience Minor degree.

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Appoint members of Department's Curriculum Committee and representative to the College of Science Curriculum Committee. Engage in discussions with the University Curriculum Committee and Faculty Senate on curricular matters.

University's Life Science representative on General Education Committee and the Committee on Course Transfer Articulation in the Biological Sciences for the Utah System of Higher Education.

#### Other Administrative Activities as Department Chair

Conduct Department's assessment activities. Created mission statement. Generate, disseminate, and analyze learning outcomes survey and other measures of student success.

Diligently support the Pre-Medical Program through close cooperation with its advisor and other colleagues. The current advisor and her predecessors have all been members of the Department of Zoology. They developed a Clinical Preceptor Program in which hundreds of physicians have had students observe them for several months. Additionally, this program hosts chapters of Operation Smile and the Hope Alliance, humanitarian medical service organizations. Many of our majors are interested in becoming physicians or other medical practitioners.

Develop and manage a comprehensive advisement program. In addition to the Pre-Medical Program Advisor, the Department houses the university's Pre-Veterinary Medicine Advisor, a Graduate School Advisor, and a Wildlife Ecology Advisor. Assisted in securing funding for support staff position for the Pre-Medical Program. Collaborate with University's other life science departments on advisement of biology teaching majors.

Coordinate activities with institution's Center for Science and Mathematics Education by scheduling rooms and providing materials for such programs as Science Olympiad and Expanding Your Horizons. These programs also serve as recruitment vehicles for the Department of Zoology.

Website development and enhancement.

Organized comprehensive reviews and authored accreditation reports for the Northwest Commission on Colleges and Universities, and analyses for the Utah Board of Regents Program Reviews.

Acquisitions and maintenance of video library.

Organization and development of student's Zoology Club.

Created "writing-intensive" requirements for Department's ecology courses.

Hosting visiting scientists. Biologists from Shanghai Normal University (China) and Instituto de Acuicultura de Torre de la Sal (Spain) have conducted research in our Department.

Arranged University memorial service for a colleague, Dr. Kent Van De Graaff. Created video tribute, presented eulogy, and offered remarks at Faculty Senate. Collaborated with faculty, staff, and students to construct the Kent Van De Graaff Memorial Garden in our College of Science complex.

Created a bird identification display and monument by a campus pond for the institution's centennial celebration.

Supported hosting of meetings: Guild of Rocky Mountain Population Biologists (1985), Raptor Research Foundation (1998), International Conference of Nemertean Biology (2004).

Facilitate cooperative efforts with local schools and educational organizations. Provided donation of approximately 100 animal specimens to the Ogden Nature Center.

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### University and Other Administrative Activities

Participant in establishment of academic exchange with the Universidad Autónoma de Nayarit in Tepic, Mexico. Engaged in substantive discussions and presentation with administrators and faculty at Weber State University and in Tepic (2010).

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

Administrative Intern, Academic Affairs, Weber State University (1986-87). Selected to work with provost. Developed expertise in university management: budget formulation, salary and policy analysis, and strategic planning.

Institutional Liaison – Council on Undergraduate Research (1994-2004).

President, Executive Board, Weber State University chapter of Phi Kappa Phi national honor society (1994-95).

Board of Directors, Center for Jewish Studies, Utah Valley State University, Orem (1995-96).

Executive Board (founding member) - Great Basin Chapter of Society for Conservation Biology (1995-97).

Reviewer - Idaho Board of Regents assessment of Department of Biology, Boise State University (1998).

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

Board of Directors, Ogden Nature Center (2003-05).

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

Selected Committees: Conservation of Land Mammals (American Society of Mammalogists); Weber State University - Northwest Accreditation Self-Study Steering Committee (Chair - Scholarship section); Diversity Committee (Steering Group); Honorary Degree Committee; Faculty Senate (6 yr); Honors Program Council; College of Science representative for Provost Search Committee; Presidential Distinguished Professor Selection Committee; College of Social and Behavioral Sciences, College of Health Professions, and College of Arts and Humanities Ranking Tenure committees; several Dean Performance Review committees; College of Arts and Humanities Endowed Chair Selection Committee; M.S. Ed graduate student committee.

### Editing and Reviewing

1995-97 Associate Editor for Book Reviews - Journal of Wildlife Management, Recent Books compiler for the Wildlife Society Bulletin.

1981-Present Reviewer: Acta Theriologica, Evolution, International Education, Journal of Mammalogy, Journal of Wildlife Management, Journal of Raptor Research, Journal of Zoology (London), Mammalian Species series, Great Basin Naturalist, Southwestern Naturalist, American Midland Naturalist, Smithsonian Institution Press, Rowman and Littlefield Publications, National Science Foundation, U.S. Geological Survey Patuxent Wildlife Research Center, North Carolina Division of Wildlife Resources, Round River Conservation Studies (non-profit organization).

### Meeting and Guest Lecture Organization

- 2009 Hosted the visit of Dr. Ian Tattersall, Curator of Anthropology at the American Museum of Natural History, for Weber State University's College of Science's Distinguished Ritchey Lecture, an endowed public lecture series. His presentation on human evolution was part of the university's commemoration of the 200<sup>th</sup> anniversary of the birth of Charles Darwin.
- 2000 "Innovative Practices in Mammalogy Education" symposium, International Mammalogical Congress, Mendoza, Argentina.
- 2008 Hosted the visit of Dr. Doug Smith, principal wolf biologist for Yellowstone National Park, for Weber State University's College of Science's Distinguished Ritchey Lecture, an endowed public lecture series.
- 1997 "Evolution of the Procyonidae" symposium, International Theriological (Mammalogical) Congress, Acapulco, Mexico.
- 1995-Present Annual Holocaust Commemoration, Weber State University. Event founder. Arranged for speakers, documentary film showings, panel discussions, and "March for Tolerance" with region's high schools.
- 1990 "Arid Lands: Wilderness or Wasteland?" symposium, American Association for the Advancement of Science meeting, New Orleans.
- 1989-91 North American Interdisciplinary Wilderness Conference, Weber State University.

### **RESEARCH INTERESTS**

Mammalian ecology and conservation policy. Publications include frequently cited articles on reproductive biology, two books about mammals, and two edited volumes on wilderness issues.

### **TEACHING EXPERIENCE**

1976-Present Taught at North Carolina State University, the University of Wyoming, and Weber State University. Courses: General Biology, General Zoology, Vertebrate Zoology, Conservation of Natural Resources, Conservation Biology, Human Ecology, Wildlife Management, Ecology, Physiological Ecology, Ecological Energetics (graduate-level), Biology of Reproduction (graduate-level), Evolution, Animal Behavior, Mammalogy, The Nature of Sex, and have developed various seminars (e.g., "The Evolution, Ecology, and Cultural Significance of the Carnivora").

Co-created travel experience to Asia featuring the course "Natural History of China and Tibet".

Active in Weber State University's Honors Program, teaching such courses as Social Evolution with an anthropologist, and Nature and Art with an art historian. The latter class focused on the interrelationship of science, art, and culture in late 19th century Europe.

Incorporate service learning and civic engagement activities in Conservation Biology and Mammalogy courses, and encourage such efforts with colleagues.

Curator of Mammals: Maintain collection primarily used for education. Consists of several thousand mammalian specimens.

Undergraduate research direction: Long-term commitment to involving students in research and encouraging colleagues to do so. Studies include projects on montane vole activity, raccoon phylogenetics, mountain goat population estimation, and pygmy rabbit habitat ecology.

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

## HONORS

- 2011 Outstanding Alumnus Award from the North Carolina State University Fisheries and Wildlife Alumni Association.
- 2009 Gwen Williams Award for establishing exchange program between Weber State University and the Universidad Autónoma de Nayarit in Tepic, Mexico. Co-recipient.
- 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 the institution's Holocaust Commemoration and serving on its steering committee.
- 2000 Spencer L. Seager Teaching Award, Weber State University - for outstanding teaching in the College of Science.
- 1995 Elected Companion, Guild of St. George, Sheffield, England.
- 1994 Elected Fellow, The Linnean Society of London, England.
- 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

- 2011 Utah Division of Wildlife Resources (\$6,000): Habitat Ecology and Diet of Pygmy Rabbits in Northeastern Utah.
- 2010 Utah Division of Wildlife Resources (\$5,000): "Pygmy Rabbit Population Study 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".

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- 1984-Present Grants from Weber State University to support conferences, research and teaching projects. In 2011, obtained salary support for a student studying flammulated owl reproductive ecology in the Wasatch Mountains in conjunction with HawkWatch International, a non-profit raptor conservation organization.
- 1979 University of Wyoming - National Park Service Research Center (\$10,000): Canada goose ecology; Co-investigator.

## **SOCIETIES**

American Society of Mammalogists  
Council on Undergraduate Research  
The Linnean Society of London  
Phi Kappa Phi (Weber State University President - 1996-97)  
Sigma Xi

## **PUBLICATIONS**

### **Books**

- 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**

- 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 editor. American Democracy Project, American Association of State Colleges and Universities, Washington, D.C. (Revision of an earlier version published in Weber: The Contemporary West.) Senior author to B. Bartosz and K. Gurr.

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- 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, AND RELATED ITEMS**

- 2010 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 the Utah Division of Wildlife Resources for use in the Utah Natural Heritage Program.
- 2006 Interview with the Austin (Texas) American Statesman for article on raccoon behavior.
- 2003 Participant in National Science Foundation – Research Experiences for Undergraduates Award: "The Biology of the Great Salt Lake". This grant (\$147,000) was awarded to two Weber State University Zoology faculty. It involved 12 faculty from 6 departments and attracted students from throughout the U.S.A. I worked with a student from the University of Idaho on a study of mesocarnivore abundance and distribution along the Great Salt Lake.
- 2000 Featured as the "raccoon expert" on www.discovery.com "Creature of the Week" series.
- 1996 Why species become threatened or endangered: A mammalogist's perspective. American Society of Mammalogists report. Contributed as a member of Society's Conservation of Land Mammals Committee.
- 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. Kremetz.
- 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**

- 2011 Habitat ecology of the pygmy rabbit in northeastern Utah. American Society of Mammalogists Annual Meeting, Portland, OR. (with J. Schmalz, student – senior author, B.Wachocki, and M. Wright).
- 2011 The Galapagos, A Natural History. Invited presentation: Brigham City Library, Utah based on visit to the Galapagos.
- 2010 Civic engagement and mammalogy education. American Society of Mammalogists Annual Meeting, Laramie, WY.
- 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, Friends of the Great Salt Lake. Salt Lake City, UT. With M.S. Linford, J.F. Cavitt, and J.P.Ramirez-Silva.

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- 2009 Darwin, Darwinism, and Teaching Science in the 21<sup>st</sup> Century. Cultural Affairs Department Weber State University. Invited lecture to commemorate the 200<sup>th</sup> anniversary of the birth of Charles Darwin.
- 2009 Sexual selection: Two hundred years of Darwin. Department of Psychology Seminar Series, Weber State University.
- 2009 Civic engagement exercises for mammalogy term projects. Tenth International Mammalogical Congress, Mendoza, Argentina.
- 2009 Visions of Madagascar. Invited lectures: Honors Program Banquet, Weber State University, and Sigma XI Chapter, Weber State University.
- 2008 Extended trip to Madagascar with the Lemur Conservation Foundation led by Dr. Ian Tattersall of the American Museum of Natural History.
- 2008 Evaluation of a ground-based paintball mark re-sight survey of mountain goats (*Oreamnos americanus*). 16<sup>th</sup> Biennial Symposium of the Northern Wild Sheep and Goat Council, Midway, Utah. Co-author with C. Schulze (undergraduate student) and R. Schulze. Also presented at the Regional Meeting of the Utah Division of Wildlife Resources (Ogden 2007), and the Wasatch Chapter of the National Audubon Society (Ogden 2008).
- 2007 Mesozoic Mammals. Invited Keynote Address: Phi Kappa Phi Initiation Banquet, Weber State University.
- 2006 Participant: Workshop on politics and management of natural resources in Yellowstone National Park. Course offered by the 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.
- 2001 Participant: "Field Techniques in Animal Behavior" course, National Science Foundation Chautauqua program, Duke University, Durham, N.C.
- 1998 Geographic Body Size Variation in North American Shrews. Invited presentation, Euro-American Mammal Congress, Santiago de Compostela, Spain. Abstracts:144.
- 1997 A Holocaust Memorial at a Northern Utah University. The 27<sup>th</sup> Annual Scholars' Conference on the Holocaust and the Churches. Tampa, FL.
- 1997 Significant Issues in the Evolution of the Procyonidae. Seventh International Theriological Congress, Acapulco, Mexico. Abstracts of Papers and Posters, Seventh ITC: 395.
- 1995 Invited participant: Colorado Plateau Workshop. The Wildlands Project, Moab, Utah.
- 1994-96 Preserving the Great Basin. Invited seminars: College of Charleston (S.C.), University of Washington-Tacoma, Western Washington University, Weber State University.
- 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.

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- 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.
- 1985-1988 What zoologists do. Elementary and secondary schools.
- 1982-91 Environmental variability and the structure of North American mammal faunas. Invited seminars: North Carolina State University; Millsaps College; Utah State University; 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.
- 1978-Present Various presentations at North Carolina Student Academy of Science, N.C. Wildlife Damage Control Workshop, The Wildlife Society - University of Wyoming, Colorado-Wyoming Academy of Science, Society for the Study of Evolution - American Society of Naturalists, Ecological Society of America meetings.

#### **SUPERVISED STUDENT RESEARCH: EXAMPLES**

- 2010 - Present Population ecology of pygmy rabbits in northeastern Utah. Resulted in presentation at national meeting.
- 2007-08 Population analysis of mountain goats. Resulted in peer-reviewed publication and presentation at international meeting.
- 2003-04 Molecular genetics study of the raccoon genus *Procyon*; Divergence within the raccoon family Procyonidae using mitochondrial DNA sequences. Resulted in student presentation at institution's undergraduate research symposia.
- 2004-05 River otter reintroduction efforts in Utah. Resulted in presentation at international meeting.
- 1995 Ultradian rhythms in the montane vole. (Senior thesis research). Presentation, Utah Academy of Sciences, Arts, and Letters, Logan. Junior author to L. Walters.
- 1988 A computer program for rapid recording and summarizing of behavioral observation data. Presentation, Animal Behaviour Society. Human Ethology Abstracts IIX. Senior author to J. Blair.