

CURRICULUM VITAE

ROSEMARY JOSEPHINE SMITH

Department of Biological Sciences
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EDUCATION

Ph.D.	Ecology and Evolutionary Biology, University of Arizona	1991
	Dissertation: Predation risk and the community organization of montane ground squirrels and a phylogenetic test of the association between diurnal activity and gregarious behavior in mammals. (Advisor: Dr. Michael L. Rosenzweig)	
M.S.	Ecology and Evolutionary Biology, University of Arizona	1988
B.A.	Biology, Pomona College, California	1984
	Senior Research Thesis: Optimal foraging and prey selection in barn owls.	

ACADEMIC APPOINTMENTS

Associate Professor of Biology (tenured in 2004), Idaho State University	2001-present
Assistant Professor of Biology, Idaho State University	1999-2001
Faculty, Rocky Mountain Biological Laboratory, Colorado	1991-present
Associate Professor of Biology (tenured), Nebraska Wesleyan University	1997-1999
Assistant Professor of Biology, NWU, Lincoln, Nebraska	1991-1997

AWARDS in TEACHING, RESEARCH, SERVICE

Sigma Xi Chapter #152. The M. J. Bigelow Award, Outstanding Scientist	2008
Annual GK-12 Program Media Award (presented by the National Science Foundation)	2007
Nominee for CASE U.S. Professors of the Year Award (ISU nominee)	2006

TEACHING and CURRICULAR ACTIVITIES

Associate/Assistant Professor of Biology, Idaho State University	1999-present
Biology II and Zoology (introductory biology for majors)	
Senior Seminar	
First Year Seminar	
Biology Teaching Methods	
Seminar for GK-12 Project participants (ISU students and partner teachers)	
Introduction to college teaching for new Teaching Assistants	

Graduate Courses: (the following six courses repeat after three years)

Seminars in College Biology Teaching:

Professional Development: The Academic Career

Preparing a College-Level Biology Course

Current Research and Trends in Science Education

Advanced Studies in College Teaching:

Theories of Teaching and Learning

Educational Research

Assessment Techniques

Supervisory teaching of Graduate and Undergraduate research students

Summer Workshops for GK-12 Project Partnerships

Associate /Assistant Professor of Biology, Nebraska Wesleyan University 1991-1999

Zoology/Biology of Animals

Animal Behavior

Ecology

Global Environment/Conservation Biology

Seminar in Advanced Ecology, Behavior, and Evolution

Perspectives in Biological Science (non-majors)

Natural History and Archaeology of Yucatán, Mexico

Interdisciplinary Studies: Senior Attitudes and Values Seminar

Faculty, RMBL field course program 1991-present

Behavioral Ecology, Field Ecology, Winter Ecology

Independent Research, REU research mentor, intern supervisor

Teaching Associate, University of Arizona 1984-1990

GRADUATE STUDENTS

Graduate Students (ISU, current)

Major Advisor for:

M.N.S. Erin Olson

M.S. Kevin Buffington

D.A. Carrie Hall, Ellen Gerton, William Siebold

Committee member:

D.A. Noah Anderson, Sharee Anderson, Shandhya Baviskar,
Erin Naegle, Kelsey Metzger

Ph.D. Joan Crawford, Nancy Hampton

Graduate Students (ISU, completed)

Major Advisor:

Scott Smidt D.A. 2008

Scott Shramek, M.N.S. 2008

Melissa Lamb, M.N.S. 2008

Kira Pontius, M.S. 2007

Meredith Seiler, D.A. 2007 (co-advised with Ernest Keeley)

Todd Hartle, D.A. 2007 (co-advised with Paul Beardsley)

Russell Grahn, M.N.S. 2005

Liana Litzinger, M.N.S. 2003

Mark Lung, D.A. 2002
Melissa Merrick, M.S. 2002

Committee Member:

Tracey King, M.S. 2008
Chris Jenkins, Ph.D. 2007
Nichole Turek, M.S. 2007
Jessica Hopkins, D.A. 2007
Teri Mitton, M.N.S. 2005
Sara Richardson, M.N.S. 2005
Qvarnemark, Linda, Ph.D. 2005
Austin, Karen, D.A., 2005
Merriam, Jennifer, D.A., 2002
Chris Witt, M.S., 2001
Steve Hanser, M.S., 2001

Graduate Faculty Representative (ISU, 1-2 students/year)

Undergraduate Research Students (NWU, RMBL, and ISU)

Supervised more than 45 independent research projects of which 10 are published, 12 were presented at regional science meetings, and 14 resulted from work funded by CUR, HHMI, ISU, or NSF. Nearly 3/4 of the student participants were women, most came from rural communities, and several were from minority groups (Hispanic and Native American).

Undergraduate Advising (ISU 10-12 students/year)

CURRICULUM and PROFESSIONAL DEVELOPMENT

ISU Faculty leader, Doctor of Arts in Biology Program, Idaho State University	1999-present
ISU Initiated and developed Teaching Assistant training workshop	2003-present
ISU Participated, Center for Teaching and Learning Faculty Development Workshops	2003-present
ISU Developed WebCT and MOODLE based course websites	2000-present
PKAL (Project Kaleidoscope) Faculty for the 21st Century	1995-present
REU/RMBL Research coordinator; Curriculum committee	1996-2004
NWU Revision of Biology Program, Nebraska Wesleyan University	1992-1998
CUR Council on Undergraduate Research "April Dialogue"	1995, 1997

RESEARCH AND SCHOLARLY ACTIVITY

INVITED TALKS or PANELS

NSF Annual GK-12 Meeting- Invited presenter	2007
Nevada NSF/EPSCoR Conference- Invited workshop presenter	2007
National Science Teachers Association- Panelist on Evolution	2006
National Association of Biology Teachers - Panelist on Teacher Education Programs	2003
Scientific Seminar Series, Rocky Mountain Biological Laboratory	2003
Idaho Science Teacher Association- Panelist (topic: Evolution)	2001, 2002
Dept. of Biology, Utah State University, Logan	2002
Project Kaleidoscope, National Assembly, Panelist and Presenter (science education)	2000
Dept. of Biological Sciences, Boise State University	1999
Dept. of Biological Sciences, Idaho State University	1999
Dept. of Zoology, University of Canterbury, Christchurch, New Zealand	1998
Dept. of Biology, Colorado College	1998
Biology Program, Western State College, Colorado	1998
Dept. of Entomology, University of Nebraska, Lincoln	1997
Dept. of Entomology, University of Kansas, Lawrence	1997
Ecology and Evolution Group, University of Nebraska, Lincoln	1996
Scientific Seminar Series, Rocky Mountain Biological Laboratory	1995
Dept. of Biology, University of South Dakota, Vermillion	1994
Dept. of Biology, Ecology group, University of Nebraska, Omaha	1993
Dept. of Animal Ecology, Iowa State University, Ames	1992

CONFERENCE ATTENDANCE/PRESENTATIONS

Animal Behavior Society	2008
Society for the Study of Evolution	2008
ISU WeLEAD research symposium	2008
NSF (AAAS sponsored) Annual GK-12 Conference, Wash. D.C.	2004-present
National Association of Biology Teachers	1999, 2003, 2004, 2006, 2007
Association for Science Teacher Education	2006
National Science Teachers Association	2000, 2001, 2006
Entomological Society of America Annual Meeting	2004
NSF-sponsored CCLI national conference	2004
RMBL Model Ecosystem Symposium	2003
Idaho Science Teachers Association	2001, 2002
Ecological Society of America	2000, 2001, 2002
Project Kaleidoscope	1995, 1999, 2000
American Society of Naturalists/ Society for the Study of Evolution	1997, 1999
Nebraska Academy of Sciences	1992-1998
Ecological Society of New Zealand and Australia	1998
Guild of Rocky Mountain Population Biologists	1998
Animal Behavior Society	1996

Titles of recent presentations:

- Smith, R. J. Reproduction in the burying beetle (*Nicrophorus investigator*): no communal breeding, and if larger, females may parent alone. Animal Behavior Society, Snowbird, UT, August 2008.
- Smith, R. J. A field test of the hypothesis that extended paternal care in *Nicrophorus* (burying beetle) yields delayed benefits. Evolution Annual Meeting, Minneapolis-St.Paul, MN, June 2008.
- Smith, R.J. Molecular genetic tools for studying the evolution of reproductive behaviors of males and females. ISU WeLEAD research symposium, February 2008.
- Smith, R.J., Naegle, E., and S. Baviskar. Biology Education and Science Outreach at Idaho State University. NABT Professional Development Conference, November 2007.
- Smith, R.J. Working with the media. NSF GK-12 conference, 2007. Workshop presenter.
- Smith, R.J. "The nature of evidence in science, distinguishing evidence from experience, and strategies for applying critical thinking research to teaching evolution and the nature of science." Oral Paper, NSTA Western Regional Conf., Salt Lake City, UT Dec 7-9, 2006.
- Smith, R.J. and S. Belzer. "Teaching strategy for college-aged students: assessing critical thinking with a constructivist method." Oral Paper. NABT Professional Development Conference, Albuquerque, NM Oct 11-14, 2006.
- Smith R. J. and S. Belzer. "Research on the effectiveness of an inquiry-based biology teaching methods course." Oral paper. ASTE Conference, Portland, OR Jan 12-14, 2006.
- Smith, R. J. "Inquiry-based lessons to teach biology using native plants and animals." Workshop. Great Rift Science Symposium, Pocatello, ID Oct 6-9, 2005.
- Belzer, S. and R. Smith. "Teaching pre-service High School biology teachers using inquiry-based lessons." Paper. NABT Annual Convention, Milwaukee, WI Oct, 2005.
- Baviskar, S. and R. Smith. "Teaching about cells using stem cells." Paper. NABT Annual convention, NABT Annual Convention, Milwaukee, WI Oct., 2005.
- Smith, R. J. "Population dynamics and optimal offspring size in the burying beetle, *Nicrophorus investigator* (Coleoptera)." Oral Paper. Entomological Society of America, Salt Lake City, UT Nov 14-17, 2004.
- Delmonte, J., Baviskar, S., Hartle, T., Anderson, N., Anderson, S., Valella, P. and R. Smith. "Biology and education: can mating the two produce fertile offspring? Poster. NABT, Chicago IL Oct. 2004.
- Smith, R.J. and S. Belzer. Symposium on Secondary Science Methods. Oral paper, symposium. NABT, Portland, OR Oct 8-11, 2003.
- Smith, R. J. Effect of larval size on overwinter survival and emerging adult size in a burying beetle. Ecological Society of America, Tucson, AZ August 4-9, 2002.
- Smith, R.J., Lung M., Merriam, J. and T. Filiater. "The Doctor of Arts program in Biology at Idaho State University: A model for preparing future college faculty." Poster, ESA, Tucson, AZ August 4-9, 2002.
- Price, M. and R. Smith. *Organizers*: Symposium "Species interactions in desert communities: dynamics of resource supply and utilization." ESA, Tucson, AZ August 4-9, 2002.
- Belzer, S. and R. Smith. "Collaborative efforts to revise science methods courses." Paper. NSTA, Salt Lake City UT Oct 25-27, 2001.

GRANTS*Individual:*

ISU WeLEAD Research Grant	"Molecular Genetic Markers to Study the Behavior and Ecology of Burying Beetles"	Awarded	December 2006	\$14,972
ISU AC-TRIG	Supplemental Academic Computing Fund	Awarded	June 2006	\$2,300
ISU Faculty Research Committee Grant	"Ecological and Behavioral Studies of Burying Beetles"	Awarded	May 2004	\$4,417
EPSCoR IV Research Funds	DNA tissue kits	Awarded	December 2003	\$455
ISU Research Coordinating Council, (RTSEF)	Release-Time grant to Seek External Funding	Awarded	May 2002	\$3,500
ISU Faculty Research Committee Grant	"Male dimorphism and alternative mating tactics in a burying beetle"	Awarded	December 1999	\$4,000
National Science Foundation: POWRE Proposal (NSF 99-156)	"POWRE: Studies of ecological polymorphisms- an opportunity to integrate research with preparation of future faculty."	Declined	June 2000	Requested amount: \$72,823

Other individual grants:

HHMI Summer Research Award, administered by NWU	1994-1998
Ameritas Fellowship for Faculty Development, NWU	1996
Faculty Development Grant, NWU	1993
Council on Undergraduate Research (CURSOR), for research	1992
Sigma Xi, the Scientific Research Society, for dissertation research	1990, 1989
Graduate Student Development Fund, University of Arizona	1990
American Museum of Natural History, Theodore Roosevelt Fund	1989
AMAX Scholarship for graduate research, RMBL	1989

Collaborative:

Co-PI: NSF CCLI with RMBL	"Using a place-based bioinformatics environment to enrich education." (Rocky Mountain Biological Laboratory)	Declined	May 2008	3 yrs. \$200,000
PI: NSF Graduate Fellows in K-12 Education	"Continuing GK-12: Enhancing science literacy in southeast Idaho with community-based projects and university/K-12 partnerships."	Awarded	Dec. 2006	3 years \$1.8 Million
PI: NSF Grad-K-12 Fellowship Program	"Track 1 GK-12: Enhancing science literacy in southeast Idaho with community-based projects and university/K-12 partnerships."	Awarded	Feb. 2004	3 years \$1.9 Million
PI: NSF Course, Curriculum & Laboratory Improvement	"A Methods Course to Prepare Preservice Biology Teachers to Use Inquiry: Adapting the Focal Ecosystem Model." (Collaborative with Dr. Sharolyn Belzer)	Awarded	May 2003	3 years \$97,629
Co-PI: NSF Southern Idaho Math Science Partnership		Declined	June 2003	
Co-PI with Dr. Terence McGonigle: British Ecological Society	"Associations of phoretic mites with carrion burying beetles and impacts on environmental factors."	Declined	May 2002	\$1,947
ISU Faculty Research Committee Grant	"Molecular techniques to study sex in plants and insects" (w/Dr. C.F. Williams)	Awarded	April 2001	\$4,000
ISU Technology Mediated Instruction Initiative	"Creating web-supported Biology Teaching Methods course", (with Dr. S. Belzer)	Awarded	April 2002	\$5,000
ISU Capital Outlay Committee	Videomicroscopy equipment, (with Dr. Curt Anderson)	Awarded	1999	\$2633
	Video-flex equipment for laboratory and lecture demonstrations		2000	\$2600
	Scantron optical mark reader with computerized test item analysis		2001	\$5000

Other

NSF: Research Experience for Undergraduates at RMBL	Awarded	2000	\$300,000
Submitted ideas and revised grant proposal written by the Director of RMBL.			
HHMI: Howard Hughes Medical Institute	Awarded	1996	\$1.2 Million
Undergraduate Biological Science Education Program, to NWU Science Division.			

PUBLICATIONS

- Grossman, Judah and **Rosemary J. Smith**. 2008. Phoretic mite discrimination among male burying beetle (*Nicrophorus investigator*) hosts. *Annals of the Entomological Society of America*, 10 (1): 266-271.
- Briggs, Brandon, Mitton, T., Magnuson, T. and **Smith, Rosemary J.** 2008. Teaching cellular respiration and alternative energy sources through a GK-12 partnership. *American Biology Teacher*, on-line.
- Smith, Rosemary J.** and Belzer, Sharolyn J. 2006. Research on the effectiveness of an inquiry-based Biology Teaching Methods Course. *ASTE Conference Proceedings* [online]. Available: <http://aste.chem.pitt.edu/>. [2006 Proceedings, peer reviewed].
- Merrick, Melissa and **Rosemary J. Smith**. 2004. Temperature regulation in burying beetles (*Nicrophorus* spp.: Coleoptera: Silphidae): effects of body size, morphology, and environmental temperature. *J. of Experimental Biology*. 207: 723-733.
- Belzer, Sharolyn J., **Rosemary J. Smith**, and Mark Lung. 2004. Developing and assessing a biology teaching methods course within a Department of Biological Sciences. *Electronic Journal of Science Education* [online]. Available: <http://wolfweb.unr.edu/homepage/crowther/ejse/ejsev8n4.html> [8(4), June 2004].
- Smith, Rosemary J.** 2003. Fact vs. Theory, Again. Letter to the Editor, *American Biology Teacher* 65(1): 10-11.
- Smith, Rosemary J.** 2002. Effect of larval body size on overwinter survival and emerging adult size in the burying beetle, *Nicrophorus investigator*. *Canadian Journal of Zoology*, 80(9):1588-1593.
- Smith, Rosemary J.** and Merrick, M. J. 2001. Resource availability and population dynamics of *Nicrophorus investigator*, an obligate carrion breeder. *Ecological Entomology*, 26:1-8.
- Smith, Rosemary J.**, Amy Hines, Stephanie Richmond, Melissa Merrick, Allison Drew, and Rachelle Fargo. 2000. Altitudinal variation in body size and population density of *Nicrophorus investigator* (Coleoptera: Silphidae). *Environmental Entomology*, 29(2):290-298.
- Smith, Rosemary J.**, Bonilla, Martha, Calahan, Courtney, & Jay Mann. 2000/2001. Comparison of reproductive success of in-situ burial versus the use of abandoned burrows for carcass interment by *Nicrophorus investigator* (Coleoptera: Silphidae). *Journal of the Kansas Entomological Society*, 73(4):152-158. *Printed 9 May 2001*.
- Bihl, Keeley and **Rosemary J. Smith**. 1998. Structure, location, and contents of burrows of two montane ground squirrels, *Spermophilus lateralis* and *Tamias minimus*. *The Southwestern Naturalist*, 43(3):352-362.
- Smith, Rosemary J.** 1995. Harvest rates and escape speeds in two coexisting species of montane ground squirrels. *Journal of Mammalogy* 76:189-195.
- Smith, Rosemary J.** and Bryce Heese. 1995. Carcass selection in a high altitude population of the burying beetle, *Nicrophorus investigator* (Silphidae). *The Southwestern Naturalist* 40(1):50-55.
- Smith, Rosemary J.** 1993. Biological Field Stations: Opportunities for undergraduate and faculty research. *Council on Undergraduate Research Quarterly*, XII:4: May.
- Smith, Rosemary J.** and Joel S. Brown. 1991. A practical technique for measuring the behavior of foraging animals. *The American Biology Teacher* 53 (4): 236-242.

Brown, Joel S., Burt Kotler, **Rosemary J. Smith**, and William O. Wirtz. 1988. The effects of owl predation on the foraging behavior of heteromyid rodents. *Oecologia* 76:408-415.

Kotler, Burt, Joel S. Brown, **Rosemary J. Smith**, and William O. Wirtz. 1988. The effects of morphology and body size on rates of owl predation on desert rodents. *Oikos* 53:145-152.

MANUSCRIPTS Under REVIEW, In REVISION, OR In PREPARATION

Submitted/In Review:

Hartle, R. Todd, **Smith, R.**, and Beardsley, P. Cultural factors influencing collaborations between K-12 science educators and scientific researchers using the Idaho State University GK-12 project as a model. *J. of Research in Science Teaching* (March 2008).

Hartle, R. Todd, Baviskar, S. and **Smith, R.** A field guide to constructivism in the college science classroom: four essential criteria and a guide to their usage. *CBE: Life Science Education*.

Pontius, Kira and **Smith, Rosemary J.** Post-diapause emergence in *Nicrophorus investigator* (Coleoptera: Silphidae): Patterns by snowmelt, body size, and sex. *Environmental Entomology*.

In revision:

Smith, Rosemary J. and S. Belzer. Enhancing and evaluating critical thinking using paired reflections, interviews, and rubrics. *Journal of Science Teacher Education*.

Smith, Rosemary J. The Smith-Fretwell model predicts optimal offspring size in the burying beetle *Nicrophorus investigator*. *Evolutionary Ecology Research*

Wadsworth, N.K., L.D. Farrell, T. S. Magnuson, & **R.J. Smith**. HPLC and PAGE analysis of antimicrobial activities found in burying beetle (*Nicrophorus*) secretions.

In preparation:

Hopkins, J. and Rosemary Smith. Implementing constructivism in an inquiry-based field and laboratory exercise on in-stream leaf litter decay.

Lung, Mark, and Rosemary Smith. Increasing student interest as a method for enhanced learning in non-majors biology.

Smith, Rosemary J. Density-dependent population regulation in an obligate carrion breeder, *Nicrophorus investigator*.

Smith, Rosemary J. A field test of the assumptions underlying a model of extended male parental care in burying beetles (Coleoptera: *Nicrophorus*).

PUBLICATIONS I HAVE ADVISED

Baviskar, Sandhya, Todd Hartle, and Tiffany Whitney. 2007. Essential criteria to characterize constructivist teaching: definitions and application. *International Journal of Science Education*. 1-10, *iFirst Article*.

PROFESSIONAL SERVICE

Statewide/National/International

Reviewer: Mammalogy, Oikos, Behavioral Ecology, Ecology, Environmental Entomology, Functional Ecology, Ecological Entomology, Evolution, J. of Insect Behavior, Hormones and Behavior, Oecologia, Int. J. of Biological Sciences, J. of Exptl. Biology	1994-present
Grant Reviewer: NSF, NH Ag. Expt. Station	2004-present
External Reviewer for Promotion/Tenure (UNH, UNM, USU)	2005, 2007, 2008
Advisor: NSF GK-12 Proposal preparation and new Projects	2007-present
RMBL Director Committees: Research, Animal Welfare, & Education	1994-present
Moderator, Idaho Evolution Education listserve	2001-present
Education Committee, Special Report to Board of Trustees, Rocky Mountain Biological Lab	2007-08
State Director, Outstanding Biology Teacher Award, National Association of Biology Teachers	2007
External Program Reviewer, Colorado College Biology Program	2006
Presenter: ScienceTrek, Idaho Museum of Natural History	2002, 2004, 2005
NSF Review Panel for Math Science Partnership program	2004
Board of Trustees, Rocky Mountain Biological Laboratory (RMBL)	1994-2003
Participant: Idaho Public Television "Dialogue for Kids"	2002
Symposium organizer: Ecological Society of America	2002
Vice-chair, Western Chapter, Ecological Society of America	2000-2002
Membership Coordinator, Sigma Xi, Nebraska Chapter	1996-1998
Nebraska Behavioral Biology Group (NSF EPSCOR Grant)	1995-1998
"Expanding Your Horizons"- Nebraska Math/Science Initiative	1995-1998

University

Graduate Council representative (Natural Sciences)	2008-present
Advisory Committee, ISU NSF ADVANCE grant (WeLEAD)	2008
NCATE accreditation (Coll. of Ed.), A&S faculty participant	2001, 2008
Search Committee, for Dean of the College of Arts and Sciences	2007-2008
ISU representative, Pocatello Chamber of Commerce Education Committee	2007-present
Participant, Idaho STEM Education Workshop, Idaho Falls	2007
New Faculty Orientation (panelist)	2007
Graduate Faculty Representative, ISU	2001-present
Arts & Sciences Ad-Hoc Committee on Faculty Retention	2006
Panelist, Office of Research "Responsible Conduct of Research" discussion	2006
Council for Teaching and Learning (former Chair, ISU)	2002-2007
Research Coordinating Council (ISU Faculty Senate representative)	2001-2002
Teacher Education Program interview panel (ISU)	2002

Departmental (ISU and NWU)

Assessment Coordinator, Dept. of Biological Sciences (current Chair)	1999-present
Committee member, Graduate Programs/DA/MNS, ISU	1999-present
Undergraduate student advising (individual and advising table)	1999-present
Search Committee, Biology Lab Coordinator (hired Jessica Fultz)	2008
Ad-hoc committee: Spousal accommodation	2007
Promotion and Tenure Committee, Dr. Michael Thomas	2007
Periodic Performance Review Committees (Seeley, Hill)	2004, 2006
Promotion and Tenure Committee, Dr. David Delehanty	2004
Promotion and Tenure Committee, Dr. Mickle Ellis (Engineering)	2004
Search Committee, Stream Ecologist (hired Colden Baxter)	2004
Search Committee, Biology Education (hired Paul Beardsley)	2003
Search Committee, Biology Education (offer, no hire)	2003
Faculty Senate Representative from Biological Sciences (ISU)	2000-2003
CLASS program, ISU	2000, 2004
Search Committee, Environmental Scientist (no hire)	2001
Faculty Internship Selection Committee, ITRC, ISU	2001
Search Committees (NWU)	1992-present
Science Division representative, Legislative Committee (NWU)	1993-1996

Community Service

Pocatello Zoo Education and Interpretation Plan (reviewer)
 Judge, Pocatello Community Charter School student projects
 National Women and Girls in Sports Day
 Moderator, Southeast Idaho Rock Climbers (Bumblies) list-serve
 Portneuf River Clean-Up
 Adopt-a-Crag Ross Park Climbing Area annual clean-up (Access Fund)
 Channel 12 (community access TV) "Science Education" panelist
 Rocky Mountain Biological Laboratory all-around volunteer

PROFESSIONAL MEMBERSHIPS (alphabetical)

American Society of Mammalogists
 American Society of Naturalists
 Animal Behavior Society
 Association for Science Teacher Education (ASTE, formerly AETS)
 Council for Undergraduate Research (CUR, ISU Campus Liaison)
 Ecological Society of America
 Entomological Society of America
 Idaho Science Teachers Association
 International Society for Behavioral Ecology
 National Association of Biology Teachers
 National Science Teachers Association
 Project Kaleidoscope (alliance of STEM education practices)
 Rocky Mountain Biological Laboratory
 Sigma Xi, the Scientific Honor Society