

CURRICULUM VITAE

NAME

Robert Scott Seville

ADDRESS

WORK:

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EDUCATION

1992 Ph.D. Zoology and Physiology, University of Wyoming, Laramie, WY.
1989 B.S. Secondary Science Education, University of Wyoming, Laramie, WY.
1987 M.S. Parasitology, University of Wyoming, Laramie, WY.
1981 B.S. Zoology, San Diego State University, San Diego, CA.

ADMINISTRATIVE POSITIONS

2005- Associate Dean, The Outreach School, University of Wyoming.
2005-2009 UW-NIH INBRE Outreach Core Director

ACADEMIC POSITIONS

2001- Associate Professor, Department of Zoology and Physiology, University of Wyoming.
2003- Adjunct Associate Professor, School of Environment and Natural Resources
2001- Adjunct Associate Professor, Department of Veterinary Sciences, University of Wyoming.
2004, fall term Visiting Scientist, University of New Mexico, Albuquerque, NM
1995-2001 Assistant Professor, Department of Zoology and Physiology, University of Wyoming.
1993-1995 Visiting Assistant Professor, Department of Zoology and Physiology, University of Wyoming.
1992-1993 NSF-NATO Postdoctoral Fellow, Ontario Ministry of Natural Resources, Ontario, Canada.
1992 Postdoctoral Research Associate, Department of Zoology and Physiology, University of Wyoming.

CURRENT POSITION

Administration
70%

Teaching
15%

Research
15%

Advising
0%

Service
0%

TEACHING

<u>Year</u>	<u>Sem.</u>	<u>Course No.</u>	<u>Title</u>	<u>Cr.</u>	<u>Enrolled</u>
1993	Fall	ZOOL 4360	Evolutionary Biology	3	7
1993	Fall	ZOOL 4540	Invertebrate Zoology and Lab	4	14
1994	Spring	BIOL 1005	Introductory Biology and Labs (3)	4	73
1994	Summer	ZOOL 4900	Independent Study	1	3
1994	Summer	ZOOL 4950	Seminar: Environ. Issues in Wyoming	1	11
1994	Fall	PATB 4310	Veterinary Parasitology and Lab	3	15
1994	Fall	ZOOL 4900	Independent Study	1	3
1994	Fall	ZOOL 4950	Seminar: Charles Darwin	1	15
1995	Spring	ZOOL 4900	Independent Study	1	1
1995	Spring	ZOOL 4950	Seminar: History of Biology	2	8
1995	Spring	G&R 4960	Literature of Fact: Nature Writing ¹	3	10
1995	Fall	ZOOL 4360	Evolutionary Biology	3	7
1995	Fall	ZOOL 4540	Invertebrate Zoology and Lab	4	8
1995	Fall	ZOOL 4900	Independent Study	1	1

1996	Summer	ZOOL 4950	Research in and Ecology of Yellowstone ²	3	10
1996	Fall	BIOL 4600	Cell Biology	3	15
1996	Fall	PATB 4360	Diagnostic Parasitology and Lab	3	7
1996	Fall	ZOOL 4900	Ecology Education Workshop ³	1	3
1997	Spring	ZOOL 4360	Evolutionary Biology	3	15
1997	Spring	PATB 4400	Immunology ⁴	4	4
1997	Spring	G&R 4540	Cultural Ecology ¹	3	12
1997	Summer	ZOOL 4950	Seminar: Special Topics in Evolution	2	4
1997	Fall	ZOOL 4540	Invertebrate Zoology and Lab	4	10
1997	Fall	PATB 4360	Diagnostic Parasitology and Lab	3	6
1998	Spring	ZOOL 4950	Seminar: Contemporary Issues	1	10
1998	Spring	G&R 4540	Cultural Ecology ¹	3	20
1998	Spring	PATB 4400	Immunology ⁴	4	4
1998	Spring	ZOOL 4900	Independent Study	1	1
1998	Summer	ZOOL 4900	Independent Study (at UW/NPS)	1-3	7
1998	Summer	ZOOL 4900	Research in and Ecology of Yellowstone ²	2	10
1998	Fall	PATB 4360	Diagnostic Parasitology and Lab	3	9
1998	Fall	ZOOL 4600	Cell Biology	3	18
1998	Fall	ZOOL 4900	Independent Study	1	3
1998	Fall	EDUC 4409	Elementary Math and Science Methods ⁵	6	7
1999	Spring	ZOOL 4360	Evolutionary Biology	3	10
1999	Spring	G&R 4540	Cultural Ecology ⁶	3	18
1999	Spring	EDUC 4409	Elementary Math and Science Methods ⁵	6	14
1999	Spring	PATB 4400	Immunology ⁴	4	4
1999	Summer	ZOOL 4900	Independent Study	1-3	4
1999	Fall	PATB 4360	Diagnostic Parasitology and Lab	4	12
1999	Fall	ZOOL 4540	Invertebrate Zoology and Lab	4	12
1999	Fall	A&S 4900	The North Platte River ⁷	3	12
1999	Fall	ZOOL 4900	Independent Study	1	1
2000	Spring	ZOOL 4360	Evolutionary Biology	3	15
2000	Spring	G&R 4540	Cultural Ecology ⁸	3	30
2000	Spring	ZOOL 4900	Independent Study	1-3	2
2000	Spring	ZOOL 4950	Undergraduate Seminar	1	7
2000	Summer	ZOOL 4900	Independent Study	1	1
2000	Fall	BIOL 4600	Cell Biology	3	21
2000	Fall	PATB 4310	Veterinary Parasitology	3	4
2000	Fall	A&S 4900	The North Platte River ⁹	3	16
2000	Fall	ZOOL/ PATB 4900	Independent Study	2	1-2
2001	Spring	ZOOL 4360	Evolutionary Biology	3	13
2001	Spring	ZOOL 4950	Undergraduate Seminar	1	5
2001	Fall	BIOL 4600	Cell Biology	3	
2001	Fall	A&S 4900	Wyoming Underground ⁹	3	6
2001	Fall	ZOOL 4950	Undergraduate Seminar	1	5
2002	Spring	ZOOL 4360	Evolutionary Biology	3	13
2002	Spring	ZOOL 4540	Invertebrate Zoology and Lab	4	7
2002	Spring	ZOOL 4900	Independent Study	2	1
2002	Fall	BIOL 4600	Cell Biology	3	
2002	Fall	ENR	Wyoming Mountains and Plains ⁹	3	
2002	Fall	ZOOL 4950	Undergraduate Seminar	1	
2003	Spring	ZOOL 4360	Evolutionary Biology	3	
2003	Spring	ZOOL 4900	Independent Study	1-3	6
2003	Summer	ZOOL 4900	Independent Study	1-3	6
2003	Fall	BIOL 4600	Cell Biology	3	
2003	Fall	ENR	The North Platte River ⁹	3	
2003	Fall	ZOOL 4900	Independent Study	1-3	
2004	Spring	ZOOL 4360	Evolutionary Biology	3	
2004	Spring	ZOOL 4350	Invertebrate Zoology and Lab	4	5

2004	Spring	ZOOL 4900	Independent Study	1-3	
2004	Summer	ZOOL 4900	Independent Study	1-3	
2005	Spring	ZOOL 4360	Evolutionary Biology	3	
2005	Spring	ZOOL 4370	Mammalogy and lab	3	
2005	Summer	ZOOL 4900	Independent Study	1-3	
2005	Fall	ZOOL 4900	Independent Study	1	1
2006	Spring	ZOOL 4900	Independent Study	1-3	
2006	Summer	ZOOL 4900	Independent Study	1-3	
2006	Fall	BIOL 3600	Evolutionary Biology ¹⁰	3	16
2006	Fall	ZOOL 4900	Independent Study	1-3	

¹ Team taught (meaning all instructors present at all sessions and involved in grading all papers and exams) with Jerry Nelson (Casper College Geography and Recreation) and Bruce Nelson (UW English).

² Two-week course team-taught with Hank Harlow (UW Zoology) at UW/NPS in Grand Teton National Park.

³ Team-taught with Jane and Ron Beiswenger (UW Faculty).

⁴ With Lee Belden (UW Veterinary Sciences and Microbiology) teaching the lecture via compressed video and me teaching the lab in Casper. I also attended lectures, administered exams, served as tutor to students, and traveled frequently to Laramie for lab supplies.

⁵ Two three-hour class sessions/week plus 3-4 hours/week spent observing students in public school classrooms.

⁶ Team-taught onsite and internet sections with Jerry Nelson (webmaster) and Bruce Richardson.

⁷ Team-taught with Ann MacKinnon (UW adjunct), Will Robinson (Casper College Biology) and Wendy Smith (UW Elementary Education). Included weekly course sessions and biweekly public lecture series. I also managed the website.

⁸ Team-taught with Don Robinson (Casper College Political Sciences) offered both on site and on internet. I coordinated the online sections and managed the website.

⁹ Team-taught with Anne MacKinnon. Includes both weekly course sessions and biweekly public lecture series. I also managed the website.

¹⁰ Taught statewide by videoconference/online.

PUBLICATIONS IN PROGRESS

Accepted:

Submitted:

C.M. Adema, C.M. Lun, B. Hanelt, and R.S. Seville. Digenean trematode infections of native freshwater snails and invasive *Potamopyrgus antipodarum* in the Grand Teton National Park/John D Rockefeller Memorial Parkway area. *Journal of Parasitology*, refereed.

In Preparation:

Motriuk-Smith, D., R. S. Seville, C.E. Oliver, D.L.Hoffmann, A.W. Smith, and H. Smith. Morphologic and molecular characterization of *Eimeria* spp. (Apicomplexa: Eimeriidae) from fox squirrels (*Sciurus niger*)(Rodentia: Sciuridae) in Wyoming. *Journal of Parasitology*, refereed.

C.M. Adema, C.M. Lun, B. Hanelt, and R.S. Seville. Digenean trematode infections of native freshwater snails and invasive *Potamopyrgus antipodarum* in the Grand Teton National Park/John D Rockefeller Memorial Parkway area. *Journal of Parasitology*, refereed.

Oliver, C.E., R.S. Seville, B. Hanelt, C.A. Adema, and S.A. Brant. Morphologic and molecular characterization of *Eimeria* spp. (Apicomplexa: Eimeriidae) from marmotine rodents in Beringia and Wyoming. *Journal of Parasitology*, refereed.

Oliver, C.E. and R.S. Seville. Species of *Eimeria* from yellow-bellied marmots (*Marmota flaviventris*) and Uinta ground Squirrels (*Spermophilus armatus*) in Wyoming. *Comparative Parasitology*, refereed.

Seville, R.S., H. Henttonen and J. Laakkonen. Species of *Eimeria* (Apicomplexa: Eimeriidae) in tundra voles (*Microtus oeconomus*) from Finland, *Journal of Parasitology*, refereed.

Invited monograph "Coccidia of the Squirrels (Rodentia: Sciuridae) of the World" for the Coccidia of the World project to be published online and hardcopy (<http://biology.unm.edu/biology/coccidia/home.html>).

PUBLISHED WORKS

Refereed Journal Articles:

- Seville, R.S. I.A. Asmundssen, and J.C. Campbell. 2005. Descriptions of six new species of *Caryospora* (Apicomplexa: Eimeriidae) from Guatemalan snakes (Serpentes: Colubridae and Viperidae). *Journal of Parasitology* 91:1452-1458.
- Seville, R.S., C. Oliver, A. Lynch, M. Bryant, and D. Duszynski. 2005. *Eimeria* Species (Apicomplexa: Eimeriidae) From Arctic Ground Squirrels (*Spermophilus parryii*) and Red Squirrels (*Tamiasciurus hudsonicus*) in Alaska and in Siberia, Russia. *Journal of Parasitology* 91:857-862.
- Seville, R.S. and J. Gruver. 2004. Species of *Eimeria* (Apicomplexa: Eimeriidae) from Bats (Chiroptera: Vespertilionidae) in Central Wyoming, U.S.A., *Journal of Parasitology* 90:348-351.
- Seville, R.S., L. Couch, R. Seed, C. Chappel, J. Caira, and S. Patton. 2004. Infection in the classroom: Parasites as models to teach biology, *American Biology Teacher* 66:43-49.
- MacKinnon, A. and R.S. Seville. 2003. A model program for combining education and outreach: the North Platte River Course and Lecture Series. *In California Riparian Systems: Processes and Floodplain Management, Ecology, and Restoration*, P.M. Faber (ed.). 2001 Riparian Habitat and Floodplains Conference Proceedings, Riparian Habitat Joint Venture, Sacramento, CA, p. 343-347.
- Milek, J. and R.S. Seville. 2003. Species of *Eimeria* and *Isospora* (Apicomplexa: Eimeriidae) from Shrews (Insectivora: Soricidae) from the Greater Yellowstone Area, Wyoming, U.S.A., *Comparative Parasitology* 70:72-77.
- Seville, R.S. and M. Patrick. 2001. *Eimeria* spp. (Apicomplexa: Eimeriidae) from the eastern chipmunk (*Tamias striatus*) with a description of one new species. *Journal of Parasitology* 87:165-168.
- Milek, J. and R.S. Seville. 2001. Species of *Eimeria* (Apicomplexa: Eimeriidae) from the southern red-backed vole, *Clethrionomys gapperi*, in northwestern Wyoming, U.S.A. *Comparative Parasitology* 68:122-125.
- Lokupitiya, E., N.L. Stanton, R.S. Seville and J.R. Snider. 2000. Effects of increased nitrogen deposition on soil nematodes in alpine tundra soils. *Pedobiologia* 44:591-608.
- Wilber, P.G., D.W. Duszynski, S.J. Upton, R.S. Seville, and J.O. Corliss. 1998. A revision of the taxonomy of the Eimerians (Apicomplexa: Eimeriidae) from rodents in the Tribe Marmotini (Sciuridae). *Systematic Parasitology* 39:113-135.
- Seville, R.S. 1997. *Eimeria* spp. (Apicomplexa: Eimeriidae) from black- and white-tailed prairie dogs (*Cynomys ludovicianus* and *Cynomys leucurus*) in central and southeast Wyoming. *Journal of Parasitology* 83(1):166-168.
- Seville, R.S., N.L. Stanton, and K. Gerow. 1996. Stable parasite guilds: Coccidia in sciurid rodents. *Oikos* 75:365-372
- Seville, R.S. and E.M. Addison. 1995. Nongastrointestinal helminths in marten (*Martes americana*) from Ontario, Canada. *Journal of Wildlife Diseases* 31(4):529-533
- Thomas, D.M., N.L. Stanton, and R.S. Seville. 1995. A stable eimerian assemblage in Wyoming ground squirrels (*Spermophilus elegans elegans*): Maintaining viability over winter. *Journal of the Helminthological Society of Washington* 62:1-5.
- Seville, R.S. and N.L. Stanton. 1993. Eimerian guilds (Apicomplexa: Eimeriidae) in Richardson's (*Spermophilus richardsonii*) and Wyoming (*Spermophilus elegans*) ground squirrels. *Journal of Parasitology* 79:973-975.

Seville, R.S. and N.L. Stanton. 1993. Synonymy of *Eimeria larimerensis* with *Eimeria lateralis*. *Journal of Parasitology* 79:970-972.

Seville, R.S., H.J. Harlow, N.L. Stanton, and M. Wagner. 1992. Effects of eimerian (Protozoa: Apicomplexa) infections on nutrient assimilation in the Wyoming ground squirrel, *Spermophilus elegans*. *Journal of Parasitology* 78(5):881-885.

Seville, R.S., D. Thomas, R. Pickering, and N. Stanton. 1992. Species of *Eimeria* from the thirteen-lined ground squirrel, *Spermophilus tridecemlineatus*, from Wyoming. *Great Basin Naturalist* 52(4):309-312.

Stanton, N.L., L.M. Shults, M. Parker, and R.S. Seville. 1992. Coccidian assemblages in the Wyoming ground squirrel, *Spermophilus elegans*. *Journal of Parasitology* 78:323-328.

Thomas, D., R.S. Seville, and N.L. Stanton. 1992. Multispecific eimerian infections in the Wyoming ground squirrel, *Spermophilus elegans elegans*. *Acta Parasitologica Polonica* 37(3):111-114.

Rockett, J., R.S. Seville, N. Kingston, E.S. Williams, and E.T. Thorne. 1990. A cestode, *Taenia mustelae*, in the black-footed ferret (*Mustelae nigripes*) and the white-tailed prairie dog (*Cynomys leucurus*) in Wyoming. *Journal of the Helminthological Society of Washington D.C.* 57(2):160-162.

Shults, L.M., R.S. Seville, N.L. Stanton, and G. Menkens Jr. 1990. *Eimeria* sp. (Apicomplexa: Eimeriidae) from Wyoming ground squirrels, *Spermophilus elegans*, and white-tailed prairie dogs, *Cynomys leucurus*, in Wyoming. *Great Basin Naturalist* 50(4):327-331.

Seville, R.S. and E.S. Williams. 1989. Endoparasites of the white-tailed prairie dog (*Cynomys leucurus*) in Meeteetse, Wyoming. *Journal of the Helminthological Society of Washington D.C.* 56(2):204-206.

Seville, R.S. and N. Kingston. 1987. *Trypanosoma (Megatrypanum)* sp. from a mountain goat (*Oreamnos americanus*). *Journal of the Helminthological Society of Washington D.C.* 55(2):260-264.

Nonrefereed Articles

C.M. Adema, B. Hanelt, E.S. Hatton, and R. S. Seville. 2005. Parasite infection status of the invasive New Zealand mud snail (*Potamopyrgus antipodarum*) in Wyoming,. University of Wyoming/ National Park Service Annual Research Report.

Stanton, N.L., D.R. Spildie, R.S. Seville, J.F. Fowler, S.W. Buskirk, and S.L. Miller. 1998. Captures and recaptures of small mammals to assess responses to fire in a coniferous forest in the Greater Yellowstone Area. University of Wyoming/ National Park Service Research Center 22nd and 23rd Annual Reports, pages 71-77.

Seville, R.S., D. Spildie, and N.L. Stanton. 1997. Long-term response of small mammal communities to the 1988 Huckleberry Mountain fire. University of Wyoming/ National Park Service Research Center 21st Annual Report, pages 64-68.

CONTRACTS & GRANTS

Funded projects as PI

2004-2009	Casper College/ UW-CC INBRE Fellowship Program. w/ J. Chase. UW-INBRE Community College Grant Program, \$165,000+.
2003	Undergraduate participation in the coccidia of the squirrels (Rodentia: Sciuridae) of the world project. Wyoming NSF/EPSCoR Community College Research Support Program, \$5,000.
2003	Casper College/ University of Wyoming/ Casper Center BRIN supplemental grant. UW NIH-EPSCoR Biomedical Infrastructure Community College Grant Program, \$100,000.
2002-2004	Casper College/ UW-CC Biomedical Research Infrastructure Network Fellowship Program. w/ J. Chase UW-BRIN Community College Grant Program, \$30,000.
2002	Undergraduate participation in the coccidia of the squirrels (Rodentia: Sciuridae) of the world project. Wyoming NSF/EPSCoR Community College Research Support Program,

- \$5,000.
- 1999 North Platte River: Origins and Destinations. A. MacKinnon. Wyoming Humanities Council, \$1,000.
- 1999 Undergraduate participation in a study of ground squirrel gastrointestinal parasites in Casper, Wyoming. Wyoming NSF/EPSCoR Community College Research Support Program, \$4,000.
- 1998 Undergraduate participation in a study of small mammal and terrestrial Arthropod responses to the Greater Yellowstone fires of 1988. W. Robinson. Wyoming NSF/EPSCoR Community College Research Support Program, \$4,000.
- 1997 Small mammal response to the 1988 Huckleberry Mountain Fire. D. Spildie and N. Stanton. University of Wyoming- National Park Research Station Grant, \$14,900.
- 1996 Topics in cultural ecology: "The Rocky Mountain Region" on the internet. B. Richardson and G. Nelson. University of Wyoming Center for Teaching Excellence Internet and Distance Education Course Development Grant, \$4,500.
- 1994 University of Wyoming College of Arts and Sciences Innovative Summer Session Course Grant \$1,200.
- 1992-93 Pattern and process in *Martes* spp. parasite communities. NSF-NATO Postdoctoral Fellowship in Science and Engineering. \$38,760.

Funded Projects as CoPI

- 2007 M. Motriuk-Smith, Wyoming NSF/EPSCoR Community College Research Support Program, \$7,000.
- 2006 Evolutionary relationships of *Eimeria* parasites based on plastid ORF 470 sequences. M. Motriuk-Smith, Wyoming NSF/EPSCoR Community College Research Support Program, \$7,000.
- 2005 Parasite infection status of *Potamopyrgus antipodarum*. C.M. Adema. University of Wyoming- National Park Research Station Grant, \$3,079.
- 2002 Organizing for Learning- a proposal to attend the American Association for Higher Education Summer Academy. A. Kleinsasser, R. Abernethy, J. Nelson, M. Burman, and J. Wangberg. \$3,000.
- 2000 The North Platte River Course and Public Lecture Series. A. MacKinnon. University of Wyoming Institute for the Environment and Natural Resources Grant Program \$11,000.
- 1998 Ecology and Research in the Greater Yellowstone Ecosystem. H. Harlow. University of Wyoming College of Arts and Sciences Innovative Summer Session Course Grant \$2,000.
- 1995 Effect of acid deposition on soil nematodes. J. Snider. UW Faculty Grant-in-Aid. \$4,667.
- 1995-1998 Ecological science lessons and projects for elementary and middle school classrooms. R. and J. Beiswenger. Eisenhower Funding. Three separate awards at \$2,000 each.
- 1994 Spatial and temporal dynamics of intestinal protozoan communities in white-tailed prairie dogs. M. Gillingham. UW Faculty Grant-in-Aid. \$3,000.

Pending Projects as PI

Pending Projects as CoPI

Proposals not accepted as PI

- 2007 Training in Taxonomy, Systematics, and Phylogenetics of the Coccidia, D. Duszynski and M. Motriuk-Smith, National Science Foundation (NSF) Program to Enhance Expertise in Taxonomy (PEET), \$748,000.
- 2002 Carnegie Academy for the Scholarship of Teaching and Learning 2003-2004 Scholars Program.
- 1999 North Platte River: Origins and Destinations. A. MacKinnon. University of Wyoming American Studies Program, \$1,000.
- 1998 Small mammal response to the 1988 Huckleberry Mountain fire. D. Spildie and N.

- Stanton. University of Wyoming- National Park Research Station Grant program, \$22,709.
- 1996-1999 *Eimeria* (Protozoa: Apicomplexa) in rodents of the Tribe Marmotini. P.G. Wilber, D.W. Duszynski. National Science Foundation. \$252,218.

Proposals not accepted as CoPI

- 2005 Long term impact of fire on mycorrhizal fungi and consequential vegetation changes. Stephen E. Williams. University of Wyoming- National Park Research Station Grant program, \$5,000.
- 2000-2001 Identification of intermediate hosts of *Neospora caninum*. W. Jolley and T. Cornish. USDA- Cooperative State Research, Education, and Extension Service National Research Initiative Competitive Grants Program, \$89,425.
- 1999-2001 Screening prey animals for suitability as intermediate hosts for *Neospora caninum*. W. Jolley and T. Cornish. Wyoming Agricultural Experiment Station Competitive Grants Program. \$60,000.
- 1996-1999 Alpine soils and interactions with the atmosphere. J. Snider and P. Stahl. Wyoming Agricultural Experiment Station Competitive Grants Program. \$81,199.
- 1993-1996 A biological model to test the effectiveness of corridors on maintaining population size and diversity: a microcosm study with soil nematodes. N.L. Stanton and K.G. Gerow. National Science Foundation. \$37,000.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Invited professional committees

Memberships in professional societies

AAAS (American Association for the Advancement of Science)

American Society of Parasitologists

Helminthological Society of Washington D.C.

Rocky Mountain Conference of Parasitologists

University Continuing Education Association

Office in professional societies

American Society of Parasitologists Nominating Committee (alternate) 2004-05

Rocky Mountain Conference of Parasitologists President, 2003-2005

Organizer of 36th Annual Meeting of Conference in Casper, WY 2005

Organizer of 35th Annual Meeting of Conference in Casper, WY 2004

American Society of Parasitologists Education Committee, (co-chair 2004-5) 2001-2005, 2006-

American Society of Parasitologists Student Awards Committee, 2001-2002

Editor for Bulletin of the Ecological Society of America Education Section, 1998-2000

Education executive committee of the Ecological Society of America, 1996-1999

Wyoming representative to the Rocky Mountain Conference of Parasitologists Membership Committee, 1997-98

Manuscript refereeing

Acta Protozoologica 2008-1

Acta Protozoologica 2007-2

ZooTaxa 2007- 1

Journal of Parasitology 2007- 2

Journal of Parasitology 2005-2

Oecologia 2004-1

Journal of Parasitology 2004-3

Journal of Parasitology 2003-4

Helminthologia 2003-1

Acta Adriatica 2003-1

The Prairie Naturalist 2003-1

Oecologia 2002-1

Journal of Parasitology 2002-3

Comparative Parasitology 2001-1

Journal of Parasitology 2001-3

American Midland Naturalist 2000-1

Journal of Parasitology 2000-2
Journal of Parasitology 1999-3
Journal of Parasitology 1998-3
Journal of Parasitology 1996-2

Grant review panels

U.S. Environmental Protection Agency STAR Zoology Fellowships Panel 2006-1
U.S. Environmental Protection Agency STAR Zoology Fellowships Panel 2005-2
U.S. Environmental Protection Agency STAR Zoology Fellowships Panel 2004-1
UW NSF-EPSCoR Undergraduate Research Proposals 2003
U.S. Environmental Protection Agency STAR Zoology Fellowships Panel 2002-1
National Science Foundation 2000-1

Grant reviews

Government of Spain Ministry for Education and Science 2007-15
NSF Living Stock Collections Grant Program 2005-1
UW NSF-EPSCoR Undergraduate Research Proposals 2004-1
UW NSF-EPSCoR Undergraduate Research Proposals 2003-1
USDA/NSF Microbial Genome Sequencing Program 2003-2
Grant Agency of the Czech Republic 2002-1
National Science Foundation 1997-1

Other reviews

Elsevier Press Evolutionary Biology Textbook Proposal, 2005
National Association for Environmental Education "National Project for Excellence in Environmental Education" 1998
National Association for Environmental Education "Guidelines for Excellence-- The Initial Preparation of Environmental Educators" 1998

HONORS AND AWARDS

1999 UW Alumni Association Faculty Growth Award
1997 University of Wyoming John P. Ellbogen Meritorious Classroom Teacher Award
Alpha Gamma Rho, National Agriculture Honors Society
Phi Kappa Phi, National Academic Honors Society
Sigma Xi, National Scientific Honors Society
1993 University of Wyoming Outstanding Dissertation Award in Biological Sciences

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

2007, DNA sequence diversity of *Eimeria callospermophili*. J. Crouch, D. Motriuk-Smith, C. Oliver, R.S. Seville. 38th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Denver, CO.

2007, Processes involved in the study of *Eimeria*. E. Conkin, K. Keenan, D. Motriuk-Smith, R.S. Seville. 38th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Denver, CO.

2007, Parasitology and the secondary school science classroom. S. Jensen, D. Motriuk-Smith, R.S. Seville. 38th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Denver, CO.

2007, ITS1-ITS2 rDNA sequences used to recognize cryptic species of *Eimeria* (Apicomplexa: Eimeriidae) from squirrel hosts. R. Seville, C. Oliver, A. Smith, B. Hanelt, S. Brant, C. Adema, and D. Motriuk-Smith. First North American Meeting of the American Society of Parasitologists, Sociedad Mexicana de Parasitologia, and the Parasitology Section of the Canadian Society of Zoologists, Merida, Mexico.

2007, Phylogenetic relationships of *Eimeria* (Apicomplexa: Eimeriidae) parasites from squirrel hosts based on plastid ORF470 DNA sequences. Jason Casebolt, Danielle Hofmann, Cheryl Mandich, Clint Oliver, Dagmara Motriuk-Smith, R. Scott Seville. First North American Meeting of the American Society of Parasitologists, Sociedad Mexicana de Parasitologia, and the Parasitology Section of the Canadian Society of Zoologists, Merida, Mexico.

2007, American Society of Parasitologists Student Paper Competition Session Co-chair. . First North American Meeting of the American Society of Parasitologists, Sociedad Mexicana de Parasitologia, and the Parasitology Section of the Canadian Society of Zoologists, Merida, Mexico.

- 2007, Phylogenetic Relationships of *Eimeria* species (APICOMPLEXA: EIMERIIDAE) from sciurid rodents using nuclear 18S-ITS1-5.8S-ITS2-28S rDNA Sequences. A. Smith, C. Oliver, R. Seville. Western IDeA States' Network Symposium on Evolutionary Medicine, Albuquerque, NM.
- 2007, Phylogenetic relationships of *Eimeria* (APICOMPLEXA: EIMERIIDAE) parasites from wild rodents based on plastic ORF 470 sequences. J. Casebolt, D. Hofmann, C. Mandich, C. Oliver, D. Motriuk-Smith, and R. Seville. Western IDeA States' Network Symposium on Evolutionary Medicine, Albuquerque, NM.
- 2006, Comparison of the ITS1-ITS2 rDNA region from an *Eimeria lateralis*-like species (Apicomplexa: Eimeriidae) in ground dwelling sciurids (Rodentia: Sciuridae) from northeastern Russia and North America. R.S. Seville, B. Hanelt S.V. Brant, C. Oliver, and C.M. Adema, International Congress of Parasitologists XI, Glasgow, Scotland.
- 2006, From first search to research: A model program for engaging students in parasitological research, R.S. Seville and J.C. Chase, Invited Paper, International Congress of Parasitologists XI, Glasgow, Scotland.
- 2006, Parasite infection status of the invasive New Zealand mud snail (*Potamopyrgus antipodarum*) in Wyoming, C. Adema, B. Hanelt, E.S. Hatton, and R.S. Seville, International Congress of Parasitologists XI, Glasgow, Scotland.
- 2006, Education Session, co-chair, International Congress of Parasitologists XI, Glasgow, Scotland.
- 2006, Coccidia (Apicomplexa: Eimeriidae) in wild rodents, Seville, R.S., Western NIH INBRE Infectious Disease Symposium, Moscow ID.
- 2006, Training young Parasitologists: An overview of the University of Wyoming/ Casper College Center and Casper College INBRE Undergraduate Research Program. R.S. Seville and J.C. Chase, 37th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Colorado Springs, CO.
- 2006, Relationships of *Eimeria* parasites based on plastid ORF 470 sequences. J. Casebolt, D.L. Hofmann, C. Mandich, C. Oliver, D. Motriuk-Smith, and R.S. Seville, 37th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Colorado Springs, CO.
- 2006, Examining phylogenetic relationships of some *Eimeria* species from sciurid rodents using partial nuclear 18S-ITS1-5.8S-ITS2-28S rDNA sequences. A.W. Smith, C.E. Oliver, and R.S. Seville, 37th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Colorado Springs, CO.
- 2006, Comparison of the ITS1-ITS2 rDNA region from an *Eimeria lateralis*- like species (Apicomplexa: Eimeriidae) in ground dwelling sciurids (Rodentia: Sciuridae) from northeastern Russia and North America, C.E. Oliver and R.S. Seville, 37th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Colorado Springs, CO, Datus Hammond Outstanding Graduate Student Presentation Award.
- 2006, Parasite infection status of the invasive New Zealand mud snail (*Potamopyrgus antipodarum*) in Wyoming, C.M. Adema, B. Hanelt, E.S. Hatton, and R.S. Seville, , 37th Annual 2006 Meeting of the Rocky Mountain Conference of Parasitologists, Colorado Springs, CO.
- 2006, Parasite infection status of the invasive New Zealand mud snail (*Potamopyrgus antipodarum*) in Wyoming, C.M. Adema, B. Hanelt, E.S. Hatton, and R.S. Seville, 37th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Colorado Springs, CO.
- 2006, Isospora spp. (Apicomplexa: Eimeriidae) in whiptails (*Cnemidophorus* spp.) from Guatemala, Brady Frude, Clint Oliver, Mentor faculty R.S. Seville, Wyoming Undergraduate Research Day, Laramie, WY.

- 2006, The prevalence of *Eimeria* spp. (Apicomplexa: Eimeriidae) in Wyoming Ground Squirrels (*Spermophilus elegans elegans*) in Casper, WY, Jake Neumiller, Arik Smith, Mentor faculty R.S. Seville, Wyoming Undergraduate Research Day, Laramie, WY.
- 2006, *Eimeria* and *Isospora* species from small mammals in China, Martini, C, Mentor faculty R.S. Seville, poster presented at Wyoming Undergraduate Research Day, Laramie, WY.
- 2006, Relationships of *Eimeria* parasites based on plastid ORF 470 sequences. J. Casebolt, D.L. Hofmann, C. Mandich, C. Oliver, D. Motriuk-Smith, and R.S. Seville, Wyoming Undergraduate Research Day, Laramie, WY.
- 2005, *Eimeria* spp. in Siberian chipmunks (*Tamias sibericus*) from northeastern Russia and comparison of the ITS1-ITS2 rDNA region from an *Eimeria lateralis*-like species and *Eimeria lateralis* from Russia and North America. R.S. Seville, B. Hanelt, S.V. Brant² and C.M. Adema. 80th Annual meeting of the American Society of Parasitologists, Mobile, AL.
- 2005, No worm left behind: using parasites as models to meet federal, state, and local standards. R. S. Seville. Invited paper, 80th Annual meeting of the American Society of Parasitologists, Mobile, AL.
- 2005, Teacher Education Workshop, session co-chair, 80th Annual meeting of the American Society of Parasitologists, Mobile, AL.
- 2005, Descriptions of six new species of Caryospora (Apicomplexa: Eimeriidae) from Guatemalan snakes (Serpentes: Colubridae and Viperidae). Robert S. Seville, Ingrid M. Asmundsson, and Jonathan A. Campbell, 36th Annual Rocky Mountain Conference of Parasitologists, Casper, WY.
- 2005, *Eimeria* spp. in Siberian chipmunks (*Tamias sibericus*) from northeastern Russia and comparison of the ITS1-ITS2 rDNA region from an *Eimeria lateralis*-like species and *Eimeria lateralis* from Russia and North America. R.S. Seville, B. Hanelt, S.V. Brant² and C.M. Adema. 36th Annual Rocky Mountain Conference of Parasitologists, Casper, WY.
- 2005, *Eimeria* spp. in Wyoming ground squirrels (*Spermophilus elegans*) on the Casper College campus, Wyoming. Ashley Lavinger, Melissa Bieber, and R. Scott Seville, 36th Annual Rocky Mountain Conference of Parasitologists, Casper, WY. Datus Hammond Outstanding Undergraduate Student Poster Award.
- 2005, Species of *Eimeria* (Apicomplexa: Eimeriidae) in Wyoming yellow-bellied marmots (*Marmota flaviventris*) and Phylogenetic analysis of *Eimeria* from various populations of sciurid rodents (Tribe Marmotini) using rDNA sequence comparison. Clint Oliver and R. S. Seville, 36th Annual Rocky Mountain Conference of Parasitologists, Casper, WY.
- 2004, *Eimeria* sp. (Apicomplexa: Eimeriidae) in fox squirrels (*Sciurus niger*) from central Wyoming. Poster presented with Heidi Smith*, Robert S. Seville, and Clint Oliver. 79th Annual meeting of the American Society of Parasitologists, Philadelphia, PA.
- 2004, Morphologic comparisons *Eimeria* sp. (Apicomplexa: Eimeriidae) in arctic ground squirrels (*Spermophilus parryi*) from Alaska, U.S.A and Siberia, Russia. Poster presented with Michelle Bryant*, Robert S. Seville, and Clint Oliver, 79th Annual meeting of the American Society of Parasitologists, Philadelphia, PA.
- 2004, Species of *Eimeria* (Apicomplexa: Eimeriidae) in tundra voles (*Microtus oeconomus*) from Finland. Poster presented with R.S. Seville¹, H. Henttonen² and J. Laakkonen², 79th Annual meeting of the American Society of Parasitologists, Philadelphia, PA.
- 2004, *Eimeria* sp. (Apicomplexa: Eimeriidae) in fox squirrels (*Sciurus niger*) from central Wyoming. Paper presented, Heidi Smith*, Robert S. Seville, and Clint Oliver. 35th Annual Rocky Mountain Conference of Parasitologists, Casper, WY.

- 2004, Species of *Eimeria* (Apicomplexa: Eimeriidae) in Wyoming yellow-bellied marmots (*Marmota flaviventris*) and phylogenetic analysis using 18srDNA and ITS1 sequence comparison. Paper presented, Clinton E. Oliver* and Robert S. Seville, 35th Annual Rocky Mountain Conference of Parasitologists, Casper, WY.
- 2004, Morphologic comparisons *Eimeria* sp. (Apicomplexa: Eimeriidae) in arctic ground squirrels (*Spermophilus parryi*) from Alaska, U.S.A and Siberia, Russia. Paper presented, Michelle Bryant*, Robert S. Seville, Clint Oliver, and Angela Hick, 35th Annual Rocky Mountain Conference of Parasitologists, Casper, WY, recipient of William C. Marquardt Outstanding Undergraduate Oral Presentation Award.
- 2004, A COMPARATIVE ANALYSIS OF *EIMERIA SPP.* INFECTION IN WYOMING GROUND SQUIRRELS (*Spermophilus elegans elegans*) IN CENTRAL WYOMING. Paper presented, Brandon S. Machado* and Robert S. Seville, 35th Annual Rocky Mountain Conference of Parasitologists, Casper, WY.
- 2004, Species of *Eimeria* (Apicomplexa: Eimeriidae) in tundra voles (*Microtus oeconomus*) from Finland. Paper presented, R.S. Seville¹, H. Henttonen² and J. Laakkonen², 35th Annual Rocky Mountain Conference of Parasitologists, Casper, WY.
- 2003, Coccidia (Apicomplexa: Eimeriidae) in Arctic Squirrels (Rodentia: Sciuridae), 2nd International Workshop on Arctic Parasitology, paper presented, Rovaniemi, Finland.
- 2003, Species of *Eimeria* (Apicomplexa: Eimeriidae) in arctic ground squirrels *Spermophilus parryi*) from Alaska, U.S.A. and Russia, 78th Annual meeting of the American Society of Parasitologists, poster presented with Clint Oliver, Andrew Lynch and Don Duszynski, Halifax, Canada.
- 2003, Building a Community of Students, Professionals, Public, and Faculty to Deepen Learning: A Model and Observations from Central Wyoming, paper presented for Moving Teaching Forward: Ellbogen Awardees Speak Out Brown Bag Series, Ellbogen Center for Teaching and Learning, University of Wyoming, Laramie, WY
- 2003, Species of *Eimeria* (Apicomplexa: Eimeriidae) in arctic ground squirrels (*Spermophilus parryi*) from Alaska, U.S.A. and Russia, Rocky Mountain Conference of Parasitologists, paper presented with Clint Oliver, Colorado Springs, CO.
- 2003, Coccidian parasites (Apicomplexa: Eimeriidae) in Wyoming ground squirrels in central Wyoming: A persistent parasite assemblage, Rocky Mountain Conference of Parasitologists, paper presented with Brandon Machado and Jamie Brittenham, Colorado Springs, CO.
- 2003, Species of *Eimeria* (Apicomplexa: Eimeriidae) from Bats (Chiroptera: Vespertilionidae) in Central Wyoming, U.S.A., Rocky Mountain Conference of Parasitologists, paper presented, Colorado Springs, CO.
- 2003, Nematodes: Major Cryptofauna in Rangeland Systems, Society for Range Management 56th Annual Meeting, invited paper with N. Stanton, Casper, WY.
- 2003, Portfolio and group projects to enhance student writing and critical thinking skills, National Conference on Student Writing and Critical Thinking in Agriculture, paper presented, Jackson, WY.
- 2002, Prairie dogs and People: Devil's Gate to Natural Bridge Land Use Decisions and Options, UW/CC and UW-SENR Fall Lecture Series, keynote lecture, Casper, WY
- 2002, A revision of the taxonomy of coccidians (Apicomplexa: Eimeriidae) in squirrels (Rodentia: Sciuridae), 10th International Congress of Parasitology and the 77th Annual meeting of the American Society of Parasitologists, poster presented, Vancouver, BC, Canada.
- 2002, The American Society of Parasitologists Education Plan: Past, Present and Future, 10th International Congress of Parasitology and the 77th Annual meeting of the American Society of Parasitologists, poster presented, Vancouver, BC, Canada.

2002, Education Symposium: Technology and Innovative Techniques in Teaching Parasitology, 10th International Congress of Parasitology and the 77th Annual meeting of the American Society of Parasitologists, session co-chair, Vancouver, BC, Canada.

2002, River Systems: Changing Societal Values, Casper College 2002 Humanities Festival and Demorest lecture Series, invited lecture, Casper, WY.

2001, Ethics in biological research and teaching, "The Humanities in the Workplace: What Would the Republic Look Like if Plato had a Job? UW/CC Public Lecture Series, invited lecture, Casper, WY.

2001, A model program for combining education and outreach: the North Platte River Course and Lecture Series, Riparian Habitat and Floodplains Conference, paper presented, Sacramento, CA.

2001, Using parasites as models to teach biological concepts in the public schools, American Society of Parasitologists 76th Annual Meeting, invited paper, Albuquerque, NM.

2001, Alternative eimerian life-history strategies in squirrels (Rodentia: Sciuridae), American Society of Parasitologists 76th Annual Meeting, poster presented, Albuquerque, NM.

2001, Ecology, 76th Annual Meeting of the American Society of Parasitologists, session chair, Albuquerque, NM.

2001, inVISIBLE College and 11th Annual Colloquium on Teaching Excellence, Center for Teaching Excellence, presenter, discussion facilitator and participant, May 22 through May 24, Laramie, WY.

2001, The Coccidia of the Sciuridae, Department of Zoology and Physiology Seminar Series, University of Wyoming, Laramie, WY.

2000, Global climate change and its effects on human/animal health, Starlane Center Problems-Based High School, Casper, WY.

2000, participant and discussion facilitator, Ideas in the West 2000 Symposium, Impact: Landscape and People, Nicolaysen Art Museum and Discovery Center, Casper, WY.

2000, Kreatures, Kritters, and Kids, Camp Sacajawea Girl Scout Camp, Casper Mountain, WY.

2000, Animal tracks and scents, workshop for elementary school children, Wyoming Audubon Society, Casper, Wyoming

2000, inVISIBLE College and 10th Annual Colloquium on Teaching Excellence, Center for Teaching Excellence, participant (extended curriculum) and discussion facilitator, May, Laramie, WY.

2000, Discussion facilitator, Hewlett Summer Institute, Center for Teaching Excellence, May 23, Laramie, WY.

2000, Seasonal dynamics of eimerians (Apicomplexa: Eimeriidae) in Richardson's ground squirrels (*Spermophilus richardsonii*) in two different habitats in central Wyoming, 75th Anniversary Meeting of the American Society of Parasitologists and 53rd Annual Meeting of the Society of Protozoologists, poster presented with Janet Milek, San Juan, Puerto Rico.

2000, Ecology, 75th Annual Meeting of the American Society of Parasitologists, session chair, San Juan, Puerto Rico.

2000, Eimerians (Apicomplexa: Eimeriidae) in Richardson's ground squirrels (*Spermophilus richardsonii*) in central Wyoming, 31st Annual Meeting of the Rocky Mountain Conference of Parasitologists, paper presented with Janet Milek (received Datus Hammond Outstanding Graduate Student Presentation), Colorado Springs, CO.

2000, Planned and organized University of Wyoming and Wyoming Community College Biology Articulation Conference in Casper, Wyoming.

2000, The 1988 Yellowstone Fires, Woods Middle School, Casper, WY.

2000, "Human Parasites", Woods Middle School, Casper, WY.

2000, "My Life as a Scientist", Woods Elementary School, WY.

1999, "Spiders", invited talk at family night, Manor Heights Elementary School and all grade assembly at Poison Spider Elementary School, Casper, WY.

1999, Long-term patterns of parasite prevalences in small mammals in the Greater Yellowstone Ecosystem, 74th Annual Meeting of the American Society of Parasitologists, poster presented with Janet Milek, M.S. candidate, Monterey, California.

1999, Ecology, 74th Annual Meeting of the American Society of Parasitologists, session chair, Monterey, California.

1999, Animal tracks and scents, workshop for elementary school children, Wyoming Audubon Society, Casper, Wyoming

1999, Do parasites make the world go 'round, A&S Speaker Series, Kiwanis Club, Casper, Wyoming

1999, Cross- and interdisciplinary learning, Hewlett Grant Symposium on General Education, University of Wyoming, invited panel participant, Laramie, Wyoming

1998, Small mammal responses to the 1988 Yellowstone fires, Casper Chapter of the Wyoming Audubon Society, invited talk, Casper, Wyoming.

1998, Long-term patterns of parasite prevalences in small mammals in the Greater Yellowstone Ecosystem, 73rd Annual Meeting of the American Society of Parasitologists, poster presented, Kona, Hawai'i.

1998, Ecology, 73rd Annual Meeting of the American Society of Parasitologists, session chair, Kona, Hawai'i.

1998, Long-term patterns of parasite prevalences in small mammals in the Greater Yellowstone Ecosystem, 29th Annual Rocky Mountain Conference of Parasitologists Annual Meeting, poster presented, Grand Junction, Colorado.

1997, Thoughts on team teaching, Center for Teaching Excellence Brown Bag series, invited speaker, University of Wyoming.

1997, *Eimeria spp.* (Apicomplexa: Eimeriidae) from spermophiline rodents in Wyoming, 72nd Annual Meeting of the American Society of Parasitologists, poster presented, Nashville, Tennessee.

1997, Taxonomy, systematics and phylogeny, 72nd Annual Meeting of the American Society of Parasitologists, session chair, Nashville, Tennessee.

1997, Rocky Mountain Parasitologists regional meeting, chair of student awards committee, Laramie, Wyoming

1997, Earth Day activities workshop, Ecological Society of America Wyoming Environmental Education Team, organizer and presenter, Laramie, Wyoming

1997, Geography 4540: Topics in cultural ecology: the western United States, association for the Study of Literature and Environment Conference, poster presented, Missoula, Montana

1997, Extinctions- evolutionary biology, University of Wyoming, invited lecturer.

1996, Ecology education workshop strategy, Annual Meeting of the Ecological Society of America, paper presented, Providence, Rhode Island.

1996, Preparing to teach- a job skills workshop for graduate students, Annual Meeting of the Ecological Society of America, workshop organizer, Providence, Rhode Island.

1996, Evolutionary ecology and population genetics: Theory, microbes and predator- prey interactions, Annual Meeting of the Ecological Society of America, session chair, Providence, Rhode Island

1996, Alternative life history strategies of eimerians (Apicomplexa: Eimeriidae) in spermophiline rodents, 71st Annual Meeting of the American Society of Parasitologists, poster presented, Tucson, Arizona.

1996, Taxonomic revision of the eimerians of the rodent tribe Marmotini, 71st Annual Meeting of the American Society of Parasitologists, poster presented, Tucson, Arizona.

1996, Epidemiology and veterinary aspects of *Toxoplasma gondii*, 71st Annual Meeting of the American Society of Parasitologists, session chair, Tucson, Arizona.

1996, Ecology education workshop for elementary and middle school teachers, Ecological Society of America Wyoming Environmental Education Team, organizer, Casper, Wyoming. Credit available as ZOOL-4900.

1995, *Eimeria* spp. (Apicomplexa: Eimeriidae) in black-tailed prairie dogs (*Cynomys ludovicianus*) in Wyoming, 70th Annual Meeting of the American Society of Parasitologists, paper presented, Pittsburgh, Pennsylvania.

1995, Parasite guilds in Wyoming ground squirrels- an application of logistic regression, Colorado-Wyoming Academy of Statistics, paper presented, Colorado Springs, Colorado.

1995, Systematics and evolution section, 70th Annual Meeting of the American Society of Parasitologists, session chairperson, Pittsburgh, Pennsylvania.

1995, Parasitic Protozoa, General Microbiology course, Casper College, invited lecture, Casper, Wyoming.

1995, Writing in biology, Scientific and Technical Writing course, UW/CC, workshop leader, Casper, Wyoming.

1994, Studies in ecology: Linking biological fields to study animal communities, Wyoming Education Association Interdisciplinary Conference, invited seminar, Casper, Wyoming.

1994, Community ecology of intestinal parasites in ground squirrels, invited seminar, University of Wyoming-National Park Service Research Center, Grand Teton National Park, Wyoming.

1994, Temporal dynamics of coccidian guilds in Wyoming ground squirrels (*Spermophilus elegans*), 69th Annual Meeting of the American Society of Parasitologists, poster presented, Colorado State University, Ft. Collins, Colorado.

1993, New ideas in symbiology: Do parasites make the world go around?, invited seminar, Ontario Ministry of Natural Resources Wildlife and Fisheries Research Branch, Maple, Ontario, Canada.

1993, Eimerian guilds in ground squirrels, Ontario Parasitology Club, invited seminar, Maple, Ontario, Canada.

1993, Spatial Scale- an important factor in ecological aspects of wildlife health, 42nd Annual Meeting of the Wildlife Disease Association, paper presented, University of Guelph, Guelph, Ontario, Canada.

1992, Parasites and diseases of marten, Nipigon District Trappers Council, invited talk, Nipigon, Ontario, Canada.

1992, Parasite guilds in spermophiline ground squirrels in southeastern Wyoming, Department of Biology, invited seminar, Armstrong State College, Savannah, Georgia.

1992, Parasite Communities, Brown Bag Seminar, USFWS Cooperative Research Unit, University of Wyoming.

1992, Eimerian guilds in thirteen-lined ground squirrels (*Spermophilus tridecemlineatus*), Sixth National Conference on Undergraduate Research, paper presented, University of Minnesota, Minneapolis, Minnesota.

1992, Eimerian communities in Wyoming ground squirrels: Maintaining stability over winter, 23rd Annual Meeting of the Rocky Mountain Parasitologists Conference, paper presented, Provo, Utah.

1992, Scarabid beetles associated with feces of the Wyoming ground squirrel (*Spermophilus elegans*), Sixth National Conference on Undergraduate Research, paper presented, University of Minnesota, Minneapolis, Minnesota.

1991, Coccidian assemblages in the Wyoming ground squirrel: a stable assemblage of parasites and commensals, 76th Annual Meeting of the Ecological Society of America, poster presented, San Antonio, Texas.

1991, Interspecific interactions influencing coccidian assemblages in Wyoming ground squirrels (*Spermophilus elegans elegans*), 76th Annual Meeting of the Ecological Society of America, poster presented, San Antonio, Texas.

1991, Eimerian communities in Wyoming ground squirrels: Maintaining stability over winter, 17th Annual Meeting of the Rocky Mountain Population Biologists, paper presented, Nederland, Colorado.

1991, Scarabid beetles associated with feces of the Wyoming ground squirrel (*Spermophilus elegans*), 76th Annual Meeting of the Ecological Society of America, poster presented, San Antonio, Texas.

1990, Seasonal dynamics of coccidian (Protozoa: Apicomplexa) infections in the Wyoming ground squirrel, *Spermophilus elegans*: What factors determine prevalence?, 16th Annual Meeting of the Rocky Mountain Population Biologists, paper presented, Nederland, Colorado.

1990, Coccidian guilds in the Wyoming ground squirrel: a simple community of benign parasites, 75th Annual Meeting of the Ecological Society of America, paper presented, Snowbird, Utah.

1990, Multispecific eimerian infections in the Wyoming ground squirrel, *Spermophilus elegans elegans*: evidence for interspecific parasite interactions, 16th Annual Meeting of the Rocky Mountain Population Biologists, paper presented, Nederland, Colorado.

1990, Scarabid beetles associated with the feces of the Wyoming ground squirrel, *Spermophilus elegans elegans*, 16th Annual Meeting of the Rocky Mountain Population Biologists, paper presented, Nederland, Colorado.

1988, Artificially feeding the sheep ked, 32nd Annual Livestock Insect Workers Conference, paper presented, Baton Rouge, Louisiana.

1988, Ivermectin bolus, Expar 1% pour-on, PP321 1% pour-on, and Dimilin 25% WP spray for cattle lice control on beef cattle, 32nd Annual Livestock Workers Conference, paper presented, Baton Rouge, Louisiana.

1987, Endoparasites of the white-tailed prairie dog (*Cynomys leucurus*) in Meeteetse, Wyoming, 62nd

Annual Meeting of the American Society of Parasitologists, paper presented, Lincoln, Nebraska.

1987, Morphometric comparison of a *Trypanosoma (Megatrypanum)* sp. from a Rocky Mountain goat (*Oreamnos americanus*) with trypanosomes from other North American hosts, 18th Annual Meeting of the Rocky Mountain Conference of Parasitologists, paper presented, Greeley, Colorado.

1987, Gregarines from the gray cockroach, *Nauphoeta ceneria*, in a captive colony at the University of Wyoming, 18th Annual Meeting of the Rocky Mountain Conference of Parasitologists, poster presented, Greeley, Colorado.

1986, Trypanosomes from a North American mountain goat (*Oreamnos americanus*), 61st Annual Meeting of the American Society of Parasitologists, poster presented, Denver, Colorado.

COMMITTEES

University Committee, year(s)

University Assessment Committee 2005-
University Tenure and Promotion Review Committee 2004-
Outreach School Faculty Senate 2003-05
College of Education Secondary Science Education Search Committee 2004-05
Outreach School INBRE Instructional Designer/Program Coordinator for Science Search
Committee 2004-05
Rooted in Diversity Project, UW Ag. College, Advisory Board 2003-
Outreach Dean Search Committee 2001-2002
Hewlett Foundation Grant Steering Committee, 1998-2000
Faculty Senate Budget Planning Committee, 1997-98
Planning Committee for the Presidential Installation Ceremony, 1997
Center for Teaching Excellence Advisory Board, 1993-1996
Center for Teaching Excellence Colloquium Planning Committee, 1994-96

College Committee, year(s)

Outreach School Outreach Credit Programs Head and Associate Dean Search Committee Chair
2007
UW/CC Faculty Library Advisory Committee (Chair) 2002-
UW/CC Scholarship Committee 2000-
UW/CC Promotion, Recruitment, Retention, Advertising Committee 2002-
UW/CC Learning Community Leadership Committee 2002-
UW/CC Strategic Planning, Program Review, Academic Planning Committee 2002-
UW/CC- CC Biology Degree Program Advisory Group 2002-
UW/CC Library Contract Review Committee (Chair) 2001-2002
UW/CC Social Fund Planning and Policy Committee (Chair) 2001-2002
UW/CC Dean's Management Advisory Council 2001-2002
UW/CC Myra Fox-Skelton Scholarship Committee (Chair) 2000
UW/CC Interim Associate Deans Selection Committee 2000
UW/CC Student Recruitment and Retention Committee 1999-
UW/CC Technology Committee 1999-
UW/CC Leadership Committee 1998-
UW/CC Strategic Planning Committee 1996-
UW/CC Deans Review Committee 1993-94, 1997-98, 1999-00
Arts and Sciences Faculty Representative, UW/CC Deans committee 1996-1998
UW/CC Library Acquisition Committee 1994-1996
UW/CC Student Recruitment and Retention Committee 1994-1995

Department Committee

Fisheries, Wildlife and Ecology Curriculum Committee

STUDENT ADVISING/GRADUATE SUPERVISION **UNDERGRADUATE STUDENTS:**

Current Undergraduate Advisees 27

GRADUATE STUDENTS:

Past Graduate Advisees:

Erandathi Lokupitiya (MS, co-advisor with N. Stanton), 1998
Janet Milek (MS), 2000
Eve Bennett (Plan B MS), 2001

Current Graduate Advisees:

Clint Oliver (MS)
Sarah Bucklin-Comiskey (Plan B MS)

Graduate Committees:

Anne Orndorff, MS Curriculum and Instruction, 2003
Kent Hill, MS Veterinary Sciences
Kathleen Apodaca, Plan B MS Counselor Education
Julie Fleming, Plan B MS Counselor Education
Dustin Harrison, MS Veterinary Sciences, 2000

OTHER ACTIVITIES/ACCOMPLISHMENTS

Special service to the state/community:

Local organizer and host, 36th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Casper, Wyoming, Spring, 2005.

Local organizer and host, 35th Annual Meeting of the Rocky Mountain Conference of Parasitologists, Casper, Wyoming, Spring, 2004.

Co-organizer for "Tributaries of the North Platte River Public Lecture Series, Casper, WY, Fall 2003.

Co-organizer for "Prairie dogs to people, Devil's Gate to Natural Bridge Land Management Decisions and Options Public Lecture Series, Casper, WY, Fall 2002.

Co-organizer for "Wyoming Underground" Public Lecture Series, Casper, WY, Fall 2001.

Murie Audubon Society Board of Directors, 2001- 2002.

Judge for the East Regional Science Fair, Casper, WY, Spring 2001.

Co-organizer for North Platte River Public Lecture Series, Casper, WY, Fall 1999, 2000, 2001.

Wyoming Audubon Society Education Advisory Board, 1999- .

Wyoming Center for Problems Based Education Honors Review Committee, 1999- .

Wyoming Science Adventure Center Advisory Board, 1998- (Co-chairperson, 1999).

Chair WYSAC 5 Year Anniversary Fundraiser Committee, 2002

Inga Thorson Family Resource Center Advisory Board, 1997-2000 .

Ex-officio member of Casper College Biology Dept. search committee, 1997-98 .

Wyoming Science Adventure Center Exhibit Planning Committee, 1997- .

Event supervisor (Experimental Design Competition), Wyoming Science

Olympiad State Tournament, Casper, WY, 1997.

Bureau of Land Management Buffalo Resource Area Advisory Team, 1995- .

Ecological Society of America Wyoming Environmental Education Team co-chair.

Co-coordinator for NSF funded Summer of Science Program for Wyoming, 1994.

Goodstein Foundation Library Advisory Board, 1995-98.

Contact for Casper Star-Tribune on biological issues.

Public School Guest Talks/ Activities- 2001-

2005

Science, Woods Learning Center 4th and 5th grades, Spring

Laboratory and Field visit, Woods Learning Center K and 1st grades, Spring

Bug Appetite, Wyoming Science Zone, Spring

2004

Bug Appetite, Wyoming Science Adventure Center, Spring

Bug Appetite, Park Elementary School, Spring

North Platte River Nature Hike, Paradise Valley Elementary School, Spring

Field Day Nature Hike, Woods Learning Center, Spring

Working in Canada, Woods Learning Center Middle School, Spring

2003

Manor Heights Elementary, Casper, WY, Invertebrates, Fall

Woods Learning Center, Casper, WY, Finland, Fall

Woods Learning Center, Mammals of Casper Mtn. and the Audubon Nature Center, Fall

Woods Learning Center, Natural History of Garden Creek and the Bridal Trail, Fall

Bug Appetite, Wyoming Science Adventure Center, Summer (2 workshops)

Starlane Center Problems Based High School, Organ Form and Function and the Parasites World lab activity- includes lecture/discussion of parasitology and bobcat necropsy demonstration, Spring.

Keynote address "Parasites", Starlane Center Mosquito Habitat Symposium, Spring.

Natrona County School District #1 Career Day, Casper Events Center, Casper, WY, Spring.

Program Chair, Wyoming Science Adventure Center 5-year birthday celebration and fundraiser, Feb. 28th

2002

Living in Canada, Woods Learning Center Middle School Program, Casper, WY. Fall

Debate judge "The Kyoto Accord", Starlane Center Problems-Based High School, Casper, WY

Prairie Dogs, Wyoming Science Adventure Center Critter Day, Fall

Manor Heights Elementary, Invertebrates, Fall

Woods Learning Center, The Platte River, Fall (in class discussion and field trip to river)

Starlane Center Problems Based High School, Organ Form and Function and the Parasites World lab activity, Spring.

Woods Learning Center Middle School Program, Human Parasites, Spring.

2001

Wyoming Science Adventure Center, "Creepy Crawly Invertebrates" Halloween display including hands on activities and presentations ("Creepy Crawly Companions", "Creepy Crawly Cooking"), October.

Manor Heights Elementary, Invertebrate Classification- Fall.

Casper Starlane Center, Helped develop "Organ Form and Function and the Parasites World lab activity"- Spring.

Sagewood Elementary, "Spiders", am and pm kindergarten class- Spring.

Woods Elementary, "Being a Scientist/Biologist", career day- Spring.

Woods Elementary, tour of lab facilities at Casper College- Spring.

Woods Elementary, "Marine invertebrates"- Spring.

Woods Elementary, "Insects"- Spring.

Manor Heights Elementary, "Invertebrates"- Spring.

Starlane Center Problems Based High School, "Climate change effects on disease"- Spring.

Starlane Center Problems Based High School, "North Platte River Issues"-Spring.

Science Olympiad Event Supervisor/Judge for Cell Biology Competition- Spring.