

**CURRICULUM VITAE**  
**SCOTT LYELL GARDNER**

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**PROFESSIONAL PREPARATION**

<u>Institution</u>	<u>Major/Area</u>	<u>Degree/Date</u>
Oregon State University	Biology/Ecology	B.S. 1980
University of Northern Colorado	Zoology/Parasitology	M.A. 1983
University of New Mexico	Biology/Parasitology	Ph.D. 1989
University of New Mexico	Post doctoral position	1989-1990

**APPOINTMENTS**

- 2003- **Professor and Curator of Parasitology**, School of Biological Sciences and University of Nebraska State Museum, Division of Parasitology, University of Nebraska-Lincoln
- 2002-2003 **Professor and Curator of Parasitology**, University of Nebraska State Museum and School of Biological Sciences, University of Nebraska-Lincoln
- 1994-2002 **Associate Professor and Curator of Parasitology**, Division of Parasitology, University of Nebraska State Museum, University of Nebraska-Lincoln
- 1995-1996 **Assistant Director for Research**, University of Nebraska State Museum, Lincoln, NE
- 1990-1994 **Assistant Professor and Curator of Nematology**, Department of Nematology, University of California, Davis
- 1988-1990 **Post-Doctoral Associate** with Dr. Donald W. Duszynski, Department of Biology, University of New Mexico, Albuquerque, NM
- 1987-1988 **Research Assistant**, Department of Biology, University of New Mexico, Albuquerque, NM
- 1984-1987 **Teaching Assistant**, Department of Biology, University of New Mexico, Albuquerque, NM

**AWARDS AND HONORS**

- 2003-2007 Certificate of Recognition for Contribution to Students. UNL Parents' Association and Teaching Council, Lincoln, NE
- 1997 Certificate of Recognition for Contribution to Students. UNL Parents' Association and Teaching Council, Lincoln, NE
- 1996 Certificate of Recognition for Contribution to Students. UNL Parents' Association and Teaching Council, Lincoln, NE
- 1994 Faculty Fellow, Graduate Studies (elected). UNL, Lincoln, NE
- 1992 Research Associate (elected). Department of Mammalogy, American Museum of Natural History, New York, NY
- 1990 Research Associate (elected). Division of Mammals, Museum of Southwestern Biology, Department of Biology, University of New Mexico, Albuquerque, NM
- 1988 Best Student Paper, Systematics. United States Federation of Culture Collections, National Student Paper Competition
- 1988 Phi Kappa Phi. University of New Mexico, Albuquerque, NM
- 1988 Best Student Paper, Systematics. Annual Meeting of the American Society of Parasitologists, Lincoln, NE
- 1987 Challenge Assistantship. Office of Graduate Studies, University of New Mexico, Albuquerque, NM
- 1983 Best Student Demonstration. Rocky Mountain Conference of Parasitologists, Grand Junction, CO
- 1983 Best Student Paper. Rocky Mountain Conference of Parasitologists, Grand Junction, CO
- 1982 Outstanding Graduate Student, "Chairman's Award." Department of Biological Sciences, University of Northern Colorado, Greeley, CO
- 1981 Superior Teaching Recognition. Department of Zoology, Oregon State University, Corvallis, OR

**EXTERNAL GRANTS RECEIVED****\$2,362,504 TOTAL EXTERNAL FUNDING GRANTED**

\$620,000	The Mongolian Vertebrate Parasite Project. National Science Foundation, Systematics - Biological Surveys and Inventories Program. September, 2007
\$12,000	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-. 2007
\$484,647	Enabling Access to Priority Taxa for Biodiversity Studies in the Manter Laboratory of Parasitology. National Science Foundation, Biological Research Collections Program. January, 2007
\$18,000	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-0097019. 2005
\$16,000	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-0097019. 2004
\$17,500	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-0097019. 2003
\$11,800	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-0097019. 2002
\$21,650	ECTO-WEB: Ectoparasites of Mammals of Bolivia. National Science Foundation. Research Supplement to Grant Number DEB-0097019. 2001
\$347,000	WORM-WEB: Georeferencing Computerized Data and Linking Databases in the Manter Laboratory of Parasitology. National Science Foundation. Grant Number DEB-0097019. 2001
\$13,680	Collection of Parasites from Mammals in Bolivia. National Science Foundation. Equipment and Field Supplement to Grant Number DEB-9621395. 2000
\$17,200	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-9631295. 2000
\$13,610	Collection of Parasites from Mammals in Mongolia. National Science Foundation. Research Supplement to Grant Number DEB-9631295. 1999
\$10,000	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-9631295. 1999
\$10,000	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-9631295. 1998
\$10,900	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-9631295. 1997
\$10,000	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-9631295. 1996
\$10,000	REU Supplement. National Science Foundation. Supplement to Grant Number DEB-9496263. 1996
\$250,400	Upgrade of the Collections Facilities of the Harold W. Manter Laboratory of Parasitology. National Science Foundation. Grant Number DEB-9631295. 1996-2001
\$74,000	Parasites of Mammals of Bolivia: Phylogeny and Coevolution. Renewal. National Science Foundation. Grant Number DEB-9496263. 1994-1996
\$57,384	LTREB: Spatial and Temporal Pattern in Butterfly Faunas: Long-Term Studies on a Northern California Transect. National Science Foundation. Grant Number DEB-9306721. Co-PI, Arthur M. Shapiro, University of California, Davis. 1993-1999
\$22,000	Evaluation and Testing of QBIC, "Query by Image Content." IBM. 1993-1994
\$7,000	Morphology and Molecules in Phylogenetic Analysis of Nematodes of Mammals. NATO. NATO Collaborative Research Grant. Grant Number CRG No. 920612. Co-PI: Jean-Pierre Hugot, Muséum National d'Histoire Naturelle, Paris. 1992-1994
\$50,000	EROL Supplement to extend research on the Sevilleta LTER in New Mexico. National Science Foundation. Grant Number BSR-9024816. 1992-1994
\$25,000	Research Experiences for Undergraduates (REU) Supplement. National Science Foundation. Supplement to Grant Number BSR-9024816. 1992-1994
\$206,568	Parasites of Mammals of Bolivia: Phylogeny and Coevolution. Biotic Surveys and Inventory Grant. National Science Foundation. Grant Number BSR-9024816. 1991-1994
\$50,000	Phylogenetic Relationships of the Peracarida (Crustacea: Malacostraca) Determined by Analysis of 18s rRNA Nucleotide Sequences. Alfred P. Sloan Fellowship in Molecular Studies of Evolution. Alfred P. Sloan Foundation. Declined in order to assume tenure-track position at UC Davis, 1989
\$9,665	Zoogeography and Coevolution of Helminth Parasites and their Rodent Hosts in Bolivia. Dissertation Improvement Grant (Systematics). National Science Foundation. Grant Number BSR-8612329. 1986-1988
\$500	Mammal Parasite Coevolution (field work in Bolivia). Grant-in-Aid. American Society of Mammalogists. 1985

**INTERNAL GRANTS RECEIVED**

**\$165,325 TOTAL INTERNAL FUNDING GRANTED**

\$1200	Parasites of Mammals of Mongolia. Working on specimens in the HWML. UCARE-UNL. 2007
\$50,000	Renovation of the Systematics Laboratory in Manter Hall. Office of Research Facilities Improvement Award, UNL. 1999
\$3,000	Database Conversion in the Manter Laboratory, Research Council, UNL. 1998
\$2,000	Molecular Phylogenetics of Parasites of Mammals. Research Council, UNL. 1995
\$92,000	Renovation, Division of Parasitology, Nebraska Hall. Office of Research, UNL. 1994
\$2,000	Genetic Resource Conservation Program. University of California. 1994
\$2,000	Genetic Resource Conservation Program. University of California. 1993
\$2,000	Genetic Resource Conservation Program. University of California. 1992
\$2,125	New Faculty Research Grant. University of California, Davis. 1990-1991
\$1,000	Faculty Research Grant. University of California, Davis. 1990-1991
\$6,000	Challenge Assistantship. University of New Mexico. 1987-1988
\$1,000	The Latin American Institute, University of New Mexico. 1986

**PUBLICATIONS****REFEREED AND REVIEWED PUBLICATIONS**

1. Loker, E. S.; Moyo, H. G.; **Gardner, S. L.** 1981. Trematode-gastropod associations in nine non-lacustrine habitats in the Mwanza region of Tanzania. Parasitology. 83: 381-389.
2. **Gardner, S. L.**; Jasmer, D. P. 1983. *Heligmosomoides thomomyos* n. sp. (Nematoda: Heligmosomidae) from pocket gophers *Thomomys* spp. (Rodentia: Geomyidae) in Oregon and California. Proceedings of the Helminthological Society of Washington. 50: 278-281.
3. **Gardner, S. L.**; Schmidt, G. D. 1984. *Discobothrium caribbensis* sp. n., a lecanicephalidean cestode from a yellow spotted stingray, *Urolophus jamaicensis* in Jamaica. Journal of Parasitology. 70: 303-304.
4. **Gardner, S. L.** 1985. Helminth parasites of *Thomomys bulbivorus* (Richardson) (Rodentia: Geomyidae), with the description of a new species of *Hymenolepis* (Cestoda). Canadian Journal of Zoology. 63: 1463-1469.
5. Upton, S. J.; Bristol, J. R.; **Gardner, S. L.**; Duszynski, D. W. 1986. *Eimeria halleri* sp. n. (Apicomplexa: Eimeriidae) from the Round Stingray, *Urolophus halleri* (Rajiformes: Dasyatidae). Proceedings of the Helminthological Society of Washington. 53: 110-112.
6. **Gardner, S. L.**; Schmidt, G. D. 1986. Two new species of *Litomosoides* (Nematoda: Onchocercidae) from pocket gophers (Rodentia: Geomyidae) in Colorado. Systematic Parasitology. 8: 235-242.
7. **Gardner, S. L.**; Schmidt, G. D. 1988. Cestodes of the genus *Hymenolepis* Weinland, 1858 *sensu stricto* from pocket gophers *Geomys* and *Thomomys* spp. [Rodentia: Geomyidae] in Colorado and Oregon, with a discriminant analysis of four species of *Hymenolepis*. Canadian Journal of Zoology. 66: 896-903.
8. **Gardner, S. L.**; Rausch, R. L.; Camacho, O. C. J. 1988. *Echinococcus vogeli* Rausch and Bernstein, 1972 from the paca, *Cuniculus paca* L. (Rodentia: Dasyproctidae) in the Departamento de Santa Cruz, Bolivia. Journal of Parasitology. 74: 399-402.
9. Upton, S. J.; **Gardner, S. L.**; Duszynski, D. W. 1988. The round stingray, *Urolophus halleri* (Rajiformes: Dasyatidae) as a host for *Eimeria chollaensis* sp. nov. (Apicomplexa: Eimeriidae). Canadian Journal of Zoology. 66: 2049-2052.
10. Lambert, C. R.; **Gardner, S. L.**; Duszynski, D. W. 1988. Coccidia (Apicomplexa: Eimeriidae) from the subterranean rodent *Ctenomys opimus* Wagner (Ctenomyidae) from Bolivia, South America. Journal of Parasitology. 74: 1018-1022.
11. Pitts, R. M.; **Gardner, S. L.**; Smolen, M. J.; Craig, T. M. 1990. First reported occurrence of the filarioid nematode, *Litomosoides westi* in *Geomys personatus*. Texas Journal of Science. 42: 416.
12. **Gardner, S. L.**; Duszynski, D. W. 1990. Polymorphism of eimerian oocysts can be a problem in naturally infected hosts: an example from subterranean rodents in Bolivia. Journal of Parasitology. 76: 805-811.
13. **Gardner, S. L.** 1991. Phyletic coevolution between subterranean rodents of the genus *Ctenomys* (Rodentia: Hystricognathi) and nematodes of the genus *Paraspidodera* (Heterakoidea: Aspidoderidae) in the Neotropics: Temporal and evolutionary implications. Zoological Journal of the Linnean Society of London. 102: 169-201.
14. **Gardner, S. L.**; Upton, S. J.; Lambert, C. R. 1991. Redescription of *Eimeria escomeli* Rastegaieff, 1930 from *Myrmecophaga tridactyla* L. in Bolivia. Proceedings of Helminthological Society of Washington. 58: 16-18.

15. Duszynski, D. W.; **Gardner, S. L.** 1991. Fixing coccidian oocysts is not an adequate solution to the problem of preserving protozoan type material. Journal of Parasitology. 77: 52-57.
16. **Gardner, S. L.**; Campbell, M. L. 1992. A new species of *Linstowia* Zschokke, 1899 (Cestoda: Anoplocephalidae) from marsupials in Bolivia with comments on the biogeography of cestodes of the genus *Linstowia*. Journal of Parasitology. 78: 795-799.
17. **Gardner, S. L.**; Campbell, M. L. 1992. Parasites as probes for biodiversity. Journal of Parasitology. 78: 596-600.
18. Frey, J. K.; Duszynski, D. W.; Gannon, W. L.; Yates, T. L.; **Gardner, S. L.** 1992. Designation and curation of type host specimens (Symbiotypes) for new parasite species. Journal of Parasitology. 78: 930-932.
19. Al-Banna, L.; **Gardner, S. L.** 1993. Three new nematodes from endemic grape (*Vitis*) in California. Proceedings of the Helminthological Society of Washington. 60:243-249.
20. **Gardner, S. L.**; Stock, S. P., Kaya, H. K. 1994. A new species of *Heterorhabditis* from the Hawaiian islands. Journal of Parasitology. 80: 100-106.
21. **Gardner, S. L.**; Wong, S. E. 1994. A new species of *Vexillata* (Nemata: Heligmosomidae) from the coarse-haired pocket mouse *Chaetodipus hispidus* in New Mexico. Journal of Parasitology. 80: 591-595.
22. Salazar-Bravo, J.; Campbell, M.; Anderson, S.; **Gardner, S. L.**; Dunnun, J. 1994. New records of Bolivian mammals. Mammalia. 58: 125-130.
23. Hugot, J.-P.; Morand, S.; **Gardner, S. L.** 1995. Morphology and morphometrics of three oxyurids parasitic in primates with a description of *Lemuricola microcebi* n. sp. International Journal of Parasitology. 25: 1065-1075.
24. Stock, S. P.; **Gardner, S. L.**; Wu, F.; Kaya, H. K. 1995. Characterization of two *Steinernema scapterisci* populations (Nemata, Steinernematidae) using morphology and random amplified polymorphic DNA markers. Journal of the Helminthological Society of Washington. 62: 242-249.
25. Hugot, J.-P.; **Gardner, S. L.** 1996. The Enterobiinae subfam. nov. (Nematoda, Oxyurida) pinworm parasites of primates and rodents. International Journal for Parasitology. 26: 147-159.
26. **Gardner, S. L.** 1996. Essential techniques for collection of parasites during surveys of mammals. *In: Measuring and Monitoring Biological Diversity—Standard Methods for Mammals*. Wilson, D.; Cole, R.; Nichols, J. D.; Rudran, R.; Foster, M., eds. Smithsonian Institution Press: Washington, D.C.
27. Al-Banna, L.; **Gardner, S. L.** 1996. Nematode diversity of native species of *Vitis* in California. Canadian Journal of Zoology. 74: 971-982.
28. Stock, S. P.; Strong, D.; **Gardner, S. L.** 1996. Identification of *Heterorhabditis* (Nematoda, Heterorhabditidae) from California with a new species isolated from the larvae of the ghost moth *Hepialis californicus* (Lepidoptera, Hepialidae) from the Bodega Bay Biological Reserve. Fundamental and Applied Nematology. 19: 585-592.
29. Morand, S.; Legendre, P.; **Gardner, S. L.**; Hugot, J.-P. 1996. Body size evolution of oxyurid (nematoda) parasites—the role of hosts. Oecologia. 107: 274-282.
30. Al-Banna, L.; Williamson, V. M.; **Gardner, S. L.** 1997. Phylogenetic analysis of nematodes of the genus *Pratylenchus* using nuclear 26s rDNA. Molecular Phylogenetics and Evolution. 7: 94-102.
31. Brant, S. V.; **Gardner, S. L.** 1997. Two new species of *Litomosoides* (Nemata: Onchocercidae) from *Ctenomys opimus* (Rodentia: Ctenomyidae) from the Altiplano of Bolivia. Journal of Parasitology. 83: 700-705.
32. **Gardner, S. L.**; Hugot, J.-P. 1997. A new pinworm, *Didelphoxyuris thylamisis*, n gen., n. sp. (Nemata: Oxyurida) from *Thylamys elegans* (Waterhouse, 1839) (Marsupialia: Didelphidae) in Bolivia. Research and Reviews in Parasitology. 55: 139-147.
33. Hoberg, E. P.; **Gardner, S. L.**; Campbell, R. A. 1997. Paradigm shifts and tapeworm systematics. Parasitology Today. 13: 161-162.
34. Hecksher, S. K.; Wickesberg, B. A.; Duszynski, D. W.; **Gardner, S. L.** 1999. Three new species of *Eimeria* (Apicomplexa: Eimeriidae) from Bolivian marsupials (Didelphimorphia: Didelphidae). International Journal for Parasitology. 29: 275-284.
35. Hoberg, E. P.; **Gardner, S. L.**; Campbell, R. A. 1999. Systematics of the Eucestoda: advances toward a new phylogenetic paradigm, and observations on the early diversification of tapeworms and vertebrates. Systematic Parasitology. 42: 1-12.
36. Hugot, J.-P.; Reinhard, K. J.; **Gardner, S. L.**; Moran, S. 1999. Human enterobiasis in evolution: origin, specificity, and transmission. Parasite. 6: 210-208.
37. Bartel, M. H.; **Gardner, S. L.** 2000. Arthropod and helminth parasites from the Plains pocket gopher,

- Geomys bursarius bursarius* from the hosts' northern boundary range in Minnesota. Journal of Parasitology. 86: 153- 156.
38. Hugot, J.-P.; **Gardner, S. L.** 2000. *Helminthoxys abrocomae* n. sp. (Nematoda: Oxyurida) from *Abrocoma cinerea* in Bolivia. Systematic Parasitology. 47: 223-230.
39. Brant, S. V; **Gardner, S. L.** 2000. Phylogeny of species of the genus *Litomosoides* (Nemata: Onchocercidae), evidence of rampant host-switching. Journal of Parasitology. 83: 545-554.
40. Pérez-Ponce de León, G.; **Gardner, S. L.**; Falcón-Ordaz, J. 2000. Phylogenetic relationships among species of the genus *Stilestrongylus* Freitas, Lend and Almeida, 1937 (Trichostrongyloidea: Heligmonellidae: Nippostrongylineae), parasites of myomorph rodents (Rodentia: Muridae) in the neotropics. Journal of Parasitology. 86: 1326-1335.
41. **Gardner, S. L.** 2000. Worms, Nematoda. pp. 843-862. In: Encyclopedia of Biodiversity, Levin, S. A., ed. Academic Press, San Diego, CA.
42. Falcón-Ordaz, J.; **Gardner, S. L.**; Pérez-Ponce de León, G. 2001. *Vexillata liomyos* n. sp. (Nemata: Ornithostrongylidae) from *Liomys pictus* (Rodentia: Heteromyidae) from Mexico, with comments on the synopse of *Vexillata armandae*. Journal of Parasitology. 87: 656-659.
43. **Gardner, S. L.**; Anderson, S. 2001. Persistent fontanelles in rodent skulls. American Museum Novitates. 3327: 1-15.
44. **Gardner, S. L.**; Pérez-Ponce de León, G. 2002. *Yungasicola travassosi* gen. n., sp. n. (Digenea: Dicrocoeliidae: Eurytrematinae) from two species of grass mice *Akodon* Meyen (Rodentia: Muridae) from the Yungas of Bolivia. Comparative Parasitology. 69: 51-57.
45. Radev, V.; **Gardner, S. L.**; Kanev-Stoyanov, I. 2005. Trematodes of the family Rhopalidae. In: Keys to the Trematoda. London: CABI Publishing.
46. **Gardner, S. L.** 2002. Book review: "Interrelationships of the platyhelminthes." Systematic Biology. 51: 192-194.
47. Garcia-Varela, M.; Cummings, M. P.; Pérez-Ponce de León, G.; **Gardner, S. L.**; Laclette, J. P. 2002. Phylogenetic analysis based on 18S ribosomal RNA gene sequences supports the existence of class Polyacanthocephala (Acanthocephala). Molecular Phylogenetics and Evolution. 23: 288-292.
48. Cook, J. A.; **Gardner, S. L.**; Yates, T. L. (in press) The genus *Ctenomys* (Rodentia) in Bolivia. In: Mammals of South America. Gardner, A.; Anderson, S.; Patton, J. L., eds. University of Chicago Press.
49. Gurerro, R.; Martin, C.; **Gardner, S. L.**; Bain, O. 2002. New and known species of *Litomosoides* (Nematoda: Filarioidea): important adult and larval characters and taxonomic changes. Comparative Parasitology. 69: 177-195.
50. Tinnin, D. S.; Dunnun, J. L.; Salazar-Bravo, J.; Batsaikhan, N.; Burt, M. S.; **Gardner, S. L.**; Yates, T. L. 2002. Contributions to the mammalogy of Mongolia, with a checklist of species for the country. Occasional Papers of the Museum of Southwestern Biology. No. 6, pp. 1-38.
51. Jiménez-Ruiz, A.; **Gardner, S. L.** 2003. The nematode fauna of long-nosed mice *Oxymycterus* spp. from the Bolivian Yungas. Journal of Parasitology. 89: 299-308.
52. Jiménez-Ruiz, A.; **Gardner, S. L.** 2003. Aspidoderid nematodes from Bolivian armadillos, with the description of a new species of *Lauroia* (Heterakoidea: Aspidoderidae). Journal of Parasitology. 89: 978-983.
53. Campbell, M. L.; **Gardner, S. L.**; Navone, G. 2003. A new species of *Mathevotaenia* (Cestoda: Anoplocephalidae) and other tapeworms from marsupials in Argentina. Journal of Parasitology. 89: 1181-1185.
54. Georgiev, B.; **Gardner, S. L.** 2004. Cestodes of the genus *Cinclotaenia* Macy, 1973 (Dilepididae) from *Cinclus leucocephalus* Tschudi (Passeriformes, Cinclidae) in Bolivia. Journal of Parasitology. 90: 1073-1084.
55. Jiménez-Ruiz, A.; **Gardner, S. L.** 2004. A new species of *Pelecitus* (Filarioidea: Onchocercidae) from the endangered tehuantepec jackrabbit *Lepus flavigularis*. Journal of Parasitology. 90: 803-807.
56. Gettinger, D.; **Gardner, S. L.** 2005. Bolivian ectoparasites: A new species of laelapine mite (Acari : Parasitiformes, Laelapidae) from the rodent *Neacomys spinosus*. Journal of Parasitology. 91: 49-52.
57. **Gardner, S.L.**; Takahashi, K.; Asakawa, M.; Ruedas, L. 2005. Preface for: Exploration of the recent epidemiology and ecology of wildlife diseases and zoonoses. Mammal Study. 30: 65.
58. **Gardner, S.L.**; Takahashi, K.; Asakawa, M.; Ruedas, L. 2005. Primary editor for papers in: Exploration of the recent epidemiology and ecology of wildlife diseases and zoonoses. Mammal Study. 30: S65 - S110.
59. **Gardner, S.L.**; Asakawa, M.; Ruedas, L.; Takahashi, K. 2005. Increasing interest in parasitology at the past three International Mammalogical Congresses held in 1997, 2001 and 2005: Mammals, Parasites, Zoonoses, and Biodiversity. Mammal Study. 30: S107-S110.

60. Takahashi, K; Asakawa, M.; Ruedas, L., A.; **Gardner, S. L.** 2005. Diversification of the white-toothed shrews of the genus *Crocidura* (Insectivora : Soricidae) in East and Southeast Asia-Preface. Mammal Study. 30: S65.
61. Dronen, N.; Jiménez-Ruiz, A.; **Gardner, S. L.** 2006. *Selfcoelum limnodromi* n. gen., n. sp. (Digenea: Cyclocoelidae: Cyclocoelinae) from the long-billed dowitcher, *Limnodromus scolopaceus* (Charadriiformes: Scolopacidae) from Oklahoma, USA. Zootaxa. 1131: 49–58.
62. Dronen, N.; Jiménez-Ruiz, A.; **Gardner, S. L.** 2006. *Haematotrephus limnodromi* n. sp. (Digenea: Cyclocoelidae) from the Long-billed dowitcher, *Limnodromus scolopaceus* (Scolopacidae) from the central flyway of North America. Zootaxa. 1153: 51-61.
63. **Gardner, S. L.**; Thew, P. 2006. *Cryptocotyle thapari* McIntosh, 1953 (Trematoda: Heterophyidae) from the river otter, *Lutra longicaudis enudris*, in the Beni of Bolivia. Comparative Parasitology. 73: 20-23.
64. Jiménez-Ruiz, A.; **Gardner, S. L.**; Varela-Stokes, A.S. 2006. Aspidoderidae from North America, with the description of a new species of *Aspidodera* (Nematoda: Heterakoidea). Journal of Parasitology. 92: 847-54.
65. Falcon-Ordaz, J.; Guzman-Cornejo C.; Garcia-Prieto L.; **Gardner, S. L.** 2006. *Tadaridanema delicatus* (Schwartz, 1927) n. gen., n. comb. (Trichostrongylina: Molineidae) parasite of Molossidæ bats. Journal of Parasitology. 92: 1035-1042.
66. Asakawa, M.; **Gardner, S. L.** 2006. First sylvatic record of *Ancylostoma malayanum* (Alessandrini, 1905) from brown bears (*Ursus arctos* L.) in Japan. Comparative Parasitology. 73: 282-284.
67. Asakawa, M.; **Gardner, S.L.**; Sasaki, H.; Ohtaishi, N. 2006. The voucher specimens in Rakuno Gakuen University. Journal of Rakuno Gakuen University Natural Science. 30: 215-219.
68. Notarincola, J; Jiménez-Ruiz, F. A.; **Gardner, S.L.** 2007. A New Species of *Dipetalonema* (Filarioidea: Onchocercidae) from *Ateles chamek* from the Beni of Bolivia. Journal of Parasitology. 93: 661-667.
69. Malik, J.; Samal, A.; **Gardner, S. L.** (Submitted, 2006) A Content Based Image Retrieval System for a Biological Specimen Collection. IEEE Transactions on Pattern Analysis and Machine Intelligence.
70. **Gardner, S. L.** and Jiménez-Ruiz, A. (In Press) Methods of Endoparasite Analysis. **In: Ecological and Behavioral Methods for the Study of Bats**, Johns Hopkins University Press. Kunz, T. and Parsons, S. (Eds).
71. **Gardner, S. L.** and Whitaker, J. (Accepted) Endoparasites of Bats. **In: Methods Study of Captive Mammals**. S. Barnard (Ed.).
72. Ganzorig, S.; Kamiya, M.; **Gardner, S. L.** 2007. *Ctenotaenia* from *Marmota* in Mongolia. Comparative Parasitology. 74: 151-153.
73. Yeen Ten Hwang, **Gardner, S. L.**; Millar, J.S. 2007. *Hymenolepis horrida* (Cestoda: Hymenolepididae) and *Catenotaenia peromysci* (Cestoda: Anoplocephalidae) in Voles from the Canadian Rockies. Comparative Parasitology. 74: 160–16.
74. Dick, C.; Gettinger, D.; **Gardner, S.L.** 2007. Bolivian ectoparasites: Geographic and host records from the Bolivian Mammal Biodiversity Survey. Comparative Parasitology. 74: 372-377.
75. Dronen, N. O.; S. L. Gardner; F. A. Jiménez. 2007. *Stictodora cablei* n. sp. (Digenea: Heterophyidae) from the royal tern, *Sterna maxima* (Laridae: Sterninae) from Puerto Rico and the Brazos County area of the Texas Gulf coast, U.S.A. Zootaxa 1432: 35-56.
76. Morales, M.; Ubelaker, J.; **Gardner, S. L.** (Submitted) A nematode from the aorta of *Akodon* in Peru. Journal of Parasitology.
77. Tinnin, D.S.; **Gardner, S. L.**; Ganzorig, S. (In Press). Helminths of Small Mammals (Chiroptera, Insectivora, Lagomorpha) from Mongolia with a Description of a New Species of *Schizorchis* (Cestoda: Anoplocephalidae). Comparative Parasitology.
78. Jiménez-Ruiz, F. A.; **Gardner, S. L.**, Noronha, D.; Pinto, R.M.. (In Press) The systematic position of Lauroiinae Skrjabin and Schikhobalova, 1951 (Nemata: Heterakoidea: Aspidoderidae), as revealed by the analysis of traits used in its diagnosis." Cladistics.
79. Jiménez-Ruiz, F. A.; Braun, J. K.; Campbell, M.L; **Gardner, S. L.** (In Press) Endoparasites of Fat-tailed Mouse Opossums (*Thylamys*: Didelphidae) from Northwestern Argentina and Southern Bolivia, with the Description of a New Species of Tapeworm. Journal of Parasitology.
80. Araujo, A.; Reinhard, K.; Ruiz, k.; **Gardner, S. L.** (In Press) Can parasites be used as probes for evidence of pre-historic human migrations? Trends in Parasitology.

#### OTHER PUBLICATIONS

81. McGuire, P. E.; Warburton, M. L.; Kimsey, L. S.; **Gardner, S. L.** 1992. Biological collections at the

- University of California: scope, status, and needs. Report No. 9. University of California Genetic Resources Conservation Program, Davis, CA.
82. **Gardner, S. L.** 1992. Gerald D. Schmidt from the perspective of a graduate student. Journal of Parasitology. 78: 596-600.
  83. **Gardner, S. L.**; Ubelaker, J. E. 1992. Profile: Gerald D. Schmidt. Systematic Parasitology. 23: 233-234.
  84. McGuire, P.E.; Kimsey, L.S.; **Gardner, S. L.** 1993. Management of university biological collections: a framework for policy and practice. Report no. 11. University of California Genetic Resources Conservation Program, Davis, CA.
  85. **Gardner, S. L.** 1997. Biodiversity and Emerging Infections. McGraw Hill Yearbook of Science and Technology. p. 124-125.
  86. **Gardner, S. L.** 1998. The world of parasites: a view from the Manter Laboratory of Parasitology. Museum Notes. University of Nebraska State Museum, Brett C. Ratcliffe, ed. 101: 4 p.
  87. Mayberry, L.F.; Canaris, A. G.; Bristol, J. R.; **Gardner, S. L.** 1999. Bibliography of parasites and hosts in Arizona, New Mexico and Texas (1893-1984). Harold W. Manter Laboratory of Parasitology, HWML-WWW, 1: no. 1. 100 p. (<http://hwml.unl.edu>).
  88. Canaris, A.G.; **Gardner, S. L.** 2003. Bibliography of helminth species described from African vertebrates 1800-1967. Harold W. Manter Laboratory of Parasitology, HWML-WWW, 1: no. 2. 100 p. (<http://hwml.unl.edu>).
  89. Gardner, S.L.; Maggenti, A.R.; Maggenti, M.A. 2005. Online dictionary of invertebrate zoology. University of Nebraska-Lincoln, Digital Commons.

## PRESENTATIONS

### INVITED PAPERS, SEMINARS, SYMPOSIA

1. 1987. "From Tarija to San Borja: Questing for Parasites in Bolivia." Banquet address at the annual meeting of the Rocky Mountain Conference of Parasitologists. Univ. Northern Colorado. Greeley, CO
2. 1988. "Phyletic Coevolution between Parasitic Nematodes and their Ctenomyid hosts in Bolivia." Department of Zoology, Colorado State University. Fort Collins, CO
3. 1989. "Coevolutionary Phylaxis between Aspidoderid Nematodes and Ctenomyid Rodents in Bolivia." Department of Biology, Portland State University. Portland, OR
4. 1989. "Phyletic Coevolution of Parasitic Nematodes and their Neotropical hosts." Invited Seminar, Department of Nematology, University of California. Davis, CA
5. 1989. "Coevolutionary Relationships among Neotropical Aspidoderid Nematodes and Tuco Tucos." Department of Biology, University of Texas. El Paso, TX
6. 1989. "Phyletic Evolution Among Hosts and Parasites." Dept of Biol., Emporia State Univ. Emporia, KS
7. 1990. "Phyletic Coevolution Between Burrowing Rodents and their Nematode Parasites." Invited speaker in the "Symposium on Host-Parasite Coevolution" at the Annual Meeting of the American Association for the Advancement of Science, Southwest and Rocky Mountain Division. Colorado Springs, CO
8. 1991. "Coevolution, Zoogeography, and Historical Ecology of Endoparasites of Ancient Rodents and Marsupials in the Central Neotropics." Symposium on Host Parasite Coevolution and Biogeography. Annual Meeting, American Society of Parasitologists. Madison, WI
9. 1991. "Host-Parasite Phyletic Coevolution. Northern California Association of Parasitologists Annual Fall Meeting. UC San Francisco, CA
10. 1992. "Phyletic Coevolution of Subterranean Rodents and their Nematode Parasites in the Southern Neotropics." National Museum of Natural History. Paris, France
11. 1993. "Parasitology and Coevolution in the Neotropics." University of Nebraska State Museum and the School of Biological Sciences, University of Nebraska. Lincoln, NE
12. 1994. "Parasitology and Mammalogy-Synthesis and Joining Disciplines." Department of Biology, University of New Mexico. Albuquerque, NM
13. 1996. "Parasites as Probes for Biodiversity." Bodega Bay Marine Laboratory, University of California
14. 1996. "Current research in the Manter Laboratory of Parasitology, the University of Nebraska State Museum." Fall Semester. Univ. of Nebraska-Lincoln Seminar Series in Biological Sciences. Lincoln, NE
15. 1997. "Parasites as Probes for Biological Diversity." University of Nebraska-Omaha. Omaha, NE
16. 1997. "Parasites and Biological Diversity." Dept. of Bio. Sci., Carleton College. Northfield, MN

17. 1998. "Bringing Parasites into the Classroom, Enhancing the Continuum of Biology." Annual Meeting of the American Society of Parasitologists. Nashville, TN
18. 1998. "Parasitology and the Mammals of Bolivia." Presentation to the Ministry of Health of the Bolivian Government. La Paz, Bolivia
19. 2001. Co-Convenor of symposium: "Mammal-Parasite Coevolution and Zoonoses." Eighth International Theriological Congress. Sun City, South Africa
20. 2001. "Parasite Biodiversity: Patterns of Distribution of Parasites and Mammals." Departments of Fisheries and Wildlife and Biology, Texas A&M University. College Station, TX
21. 2004. "The Importance of Communicating with the Public and the Administration in Natural History Museums." Natural Science Collections Alliance, Smithsonian Institution, Wash., DC
22. 2005. "New Uses for Biological Collections" Invited Speaker at the Annual Meeting of the Natural Science Collections Alliance, Santa Barbara, CA.
23. 2005. "Parasite Biodiversity" Department of Biology, Texas Tech University, Lubbock, Texas.
24. 2005. Primary symposium organizer: S18: Mammal Parasite Biodiversity: Aspects of disease, diversity, and coevolution of host-parasite assemblages. DATE & TIME: August 2 (Tues) 10:15-12:45 & 15:00-17:30/ CONVENERS: Scott L. Gardner, Luis A. Ruedas, Mitsuhiko Asakawa, and Kenichi Takahashi "Mammal Parasite Biodiversity" at the 9th International Mammalogical Congress (IMC9).
25. 2006. Mammal / Parasite Biodiversity. Environmental Studies Capstone Course Seminar. 13 April. Student Union Building, UNL City Campus.
26. 2006. Parasites of Mammals - Phylogeny and Biodiversity. Systematic Biology and Biodiversity Inventories Cluster, Division of Environmental Biology, National Science Foundation.
27. 2006. Parasites of Mammals: Phylogeny and Biodiversity. Mini Conference - Plenary Speech at the First South American Congress of Mammalogy. 5-8 Oct., Gramado, Brazil.
28. 2006. Parasitología en la Mastozoología sudamericana: su potencialidad para explicar nuevos interrogantes. Round Table Participant, at the First South American Congress of Mammalogy. 5-8 Oct., Gramado, Brazil.

## PRESENTATIONS AT MEETINGS

29. **Gardner, S. L.** 1980. Some parasites of the Camas pocket gopher, *Thomomys bulbivorus*. Annual meeting of the Pacific Northwest Bird and Mammal Society. Bend, OR
30. **Gardner, S. L.** 1982. Endoparasites of *Thomomys bulbivorus* (Richardson) (Rodentia: Geomyidae) a gopher endemic to the Willamette Valley of Oregon. Annual Meeting of the Rocky Mountain Conference of Parasitologists. Pocatello, ID
24. **Gardner, S. L.;** Schmidt, G. D. 1983. Endoparasites of pocket gophers from western North America. Meeting of the Rocky Mountain Conference of Parasitologists. Grand Junction, CO
25. **Gardner, S. L.;** Schmidt, G. D. 1983. Systematics and ecology of helminth parasites of pocket gophers of western North America. Meeting of the American Society of Parasitologists. San Antonio, TX 31.
- Gardner, S. L.** 1984. Evolution of tapeworms of the genus *Hymenolepis* in their rodent hosts. Meeting of the Southwestern Association of Parasitologists. Lake Texoma, OK
32. **Gardner, S. L.** 1985. Coevolution of nematodes and their rodent hosts. Meeting of the Southwestern Association of Parasitologists. Lake Texoma, OK
33. **Gardner, S. L.** 1986. Helminth parasites of mammals of Bolivia. Meeting of the American Society of Parasitologists. Denver, CO
34. **Gardner, S. L.** 1987. Zoogeography of helminth parasites from rodents of the genus *Ctenomys* in Bolivia. Meeting of the Southwestern Association of Parasitologists. Lake Texoma, OK
35. **Gardner, S. L.;** Campbell, M. L. 1987. Additional data on parasites of Mammals of Bolivia: Zoogeography of parasites and hosts. Meeting of the American Society of Parasitologists. Lincoln, NE
36. Campbell, M. L.; **Gardner, S. L.** 1988. Helminth parasites of Bolivian marsupials: Distribution and Ecology. Meeting of the Southwestern Association of Parasitologists. Lake Texoma, OK
37. Lambert, C. R.; **Gardner, S. L.;** Duszynski, D. W. 1988. Coccidia from the fossorial rodent *Ctenomys opimus* Wagner (Ctenomyidae) from Bolivia, South America. Meeting of the Southwestern Association of Parasitologists. Lake Texoma, OK
38. Cook, J. A.; **Gardner, S. L.;** Yates, T. L. 1989. Phyletic coevolution between rodents and their nematode parasites. Meeting of the American Society of Mammalogists. Fairbanks, AK



39. **Gardner, S. L.** (in absentia); Cook, J. A.; Yates, T. L. 1989. Cophylogeny: A test using Bolivian tuco-tucos (Rodentia: Ctenomyidae) and their nematode parasites. 6<sup>th</sup> International Theriological Congress. Rome, Italy
40. **Gardner, S. L.** 1989. Coevolutionary phylaxis: A test of phylogenetic concordance between aspidoderid nematodes and their rodent hosts. Annual Meeting of the American Society of Parasitologists. Vancouver, BC, Canada
41. **Gardner, S. L.** 1990. Phyletic coevolution between South American hystricognath rodents and their cecal-dwelling nematodes. International Congress of Parasitology-VII. Paris, France
42. **Gardner, S. L.** 1992. "Using Parasites as Probes for Biodiversity" Northern California Association of Parasitologists Annual Spring Meeting. Asilomar, Pacific Grove, CA
43. **Gardner, S. L.**; Hugot, J.-P. 1993. "On the monophyletic nature of the Neotropical Hystricognath Rodents, evidence from their pinworm parasites." Annual Meeting of the French Society of Systematics. Paris, France
44. **Gardner, S. L.** 1993. "Host-Parasite biodiversity: The interface of Field Parasitology, Systematics, and Mammalogy." Annual Meeting of the American Society of Parasitologists, Atlanta, GA
45. Hugot, J.-P.; Morand, S.; **Gardner, S. L.** 1995. Congrès de la Société Française de Parasitologie Session: "Systématique et coévolution hôtes/parasites." Communication: "Nouvelle preuve de la parenté étroite des rongeurs hystricognathes, d'après la phylogénie de leurs Oxyures spécifiques (par en collaboration avec Perpignan)"
46. **Gardner, S. L.**; Anderson, S. 1995. Fenestrated cranium in Bolivian mammals. Annual meeting of the American Society of Mammalogists. Burlington, VT
47. **Gardner, S. L.** 1995. Phylogeny of insect parasitic nematodes from analysis of 26S rDNA and RAPD's. Annual Meeting of the American Society of Parasitologists. Pittsburgh, PA
48. **Gardner, S. L.** 1996. Spanning continents and oceans: International collaboration and funding in parasitology. Annual Meeting of the American Society of Parasitologists. Tucson, AZ
49. **Gardner, S. L.**; Anderson, S. 1997. Fenestrated cranium in Bolivian mammals. Seventh International Theriological Congress. Acapulco, Mexico
50. **Gardner, S. L.**; Anderson, S. 1997. Collaboration with the H.W. Manter Laboratory of Parasitology. Seventh International Theriological Congress. Acapulco, Mexico
51. **Gardner, S. L.** 1998. Coevolution and biodiversity: mammals and their parasites. SY-21 host-parasite coevolution: techniques concepts and methods. Euro-American Mammal Congress, Santiago de Compostela, Spain
52. **Gardner, S. L.**; Pérez-Ponce de León, G.; Falcón-Ordaz, G. 1999. Phylogenetic relationships among nematodes of the genus *Stilestrongylus* from neotropical rodents. Annual Meeting of the American Society of Parasitologists. Monterey, CA
53. **Gardner, S. L.** 2000. *Cryptocotyle* from the Lobito de Rio (*Lutra longicaudis*) in the Beni Department of Bolivia. Annual Meeting of the American Society of Parasitologists. San Juan, Puerto Rico
54. Jiménez-Ruiz, A.; **Gardner, S. L.** 2000. Helminth parasites of the Hociudo (Rodentia: Muridae: *Oxymycterus*) from the Bolivian Yungas. Annual Meeting of the American Society of Parasitologists. San Juan, Puerto Rico
55. Ganzorig, S.; Oku, Y.; **Gardner, S. L.**; Kamiya, M. 2000. Species identification of metacestodes of *Mesocestoides* spp. using mitochondrial DNA sequencing. Annual Meeting of the American Society of Parasitologists. San Juan, Puerto Rico
56. Sterner, M. C.; **Gardner, S. L.**; Pritchard, M. H. 2001. Activities of the Harold W. Manter Laboratory of Parasitology. Annual Meeting of the American Society of Parasitologists. Albuquerque, NM
57. Sukitjavanich, K.; **Gardner, S. L.** 2001. Helminth parasites of Nebraska mammals. Annual Meeting of the American Society of Parasitologists. Albuquerque, NM
58. Crapo, E. E.; **Gardner, S. L.** 2001. Parasites from *Onychomys* on the Sevilleta LTER site in New Mexico. Annual Meeting of the American Society of Parasitologists. Albuquerque, NM
59. Jiménez-Ruiz, A.; **Gardner, S. L.** 2001. Systematics of the Neotropical family Aspidoderidae Skrzabin & Schikhobalova, 1947 (Nemata: Heterakoidea). Annual Meeting of the American Society of Parasitologists. Albuquerque, NM
60. **Gardner, S. L.** 2001. Current state of the science of biodiversity, coevolution, and zoonotic disease research. Eighth International Theriological Congress. Sun City, South Africa
61. **Gardner, S. L.**; Yates, T. L.; Crapo, E. E.; Jiménez-Ruiz, A. 2002. Mammals and their parasites: Temporal patterns and biodiversity. Eighty-second Annual meeting of the American Society of Mammalogists. Lake Charles, LA

62. Jiménez-Ruiz, A.; **Gardner, S. L.** 2002. Taxonomy of the Aspidoderidae evaluated from a phylogenetic perspective. Tenth International Congress of Parasitology. Vancouver, BC
63. **Gardner, S. L.**; Jiménez-Ruiz, A. 2002. Phylogeny of pinworms (*Syphacia*: Syphaciidae: Nematoda) from neotropical rodents based on morphology. Tenth International Congress of Parasitology. Vancouver, BC
64. Jiménez-Ruiz, F.A.; **Gardner, S. L.** 2003. Cophylogeny among neotropical mammals and their nematode parasites (Heterakoidea: Aspidoderidae). 78<sup>th</sup> Annual Meeting of the American Society of Parasitologists. Halifax, Nova Scotia
65. Jiménez-Ruiz, F.A.; **Gardner, S. L.** 2003. Cophylogeny: Neotropical mammals and their nematode parasites. 83<sup>rd</sup> Annual meeting of the American Society of Mammalogists. Texas Tech Univ., Lubbock, TX
66. **Gardner, S. L.**; Jiménez-Ruiz, F.A. 2004. Phylogeny of Pinworms (*Syphacia*) with a BPA of other parasites and Murids from the Neotropics. 84<sup>th</sup> Annual Meeting of the American Society of Mammalogists. Humboldt State University, Arcata, CA
67. Jiménez-Ruiz, F.A.; **Gardner, S. L.** 2004. Nematodes of the family Aspidoderidae Skrjabin & Schikhobalova, 1947. 79<sup>th</sup> Annual Meeting of the American Society of Parasitologists. Philadelphia, PA
68. **Gardner, S. L.**; Jiménez-Ruiz, F.A. 2004. Phylogeny of Pinworms (*Syphacia*): parasites of Murids from the Neotropics. 79<sup>th</sup> Annual Meeting of the American Society of Parasitologists. Philadelphia, PA.
69. Jiménez-Ruiz, F.A.; **Gardner, S. L.** 2005. Ancestral host species (mammalia) for parasites (aspidoderidae) with wide geographic and host range: impact on resulting hypotheses. Symposium 1801, Ninth International Mammalogical Congress. Sapporo, Japan.
70. **Gardner, S. L.**; M. L. Campbell. 2005. Phylogenetic Systematics, Scaling, and the Study of Coevolution: Historical Basis and Current Research. Symposium 1801, Ninth International Mammalogical Congress. Sapporo, Japan.
71. Haverkost, T. A.; **Gardner, S. L.** 2006. Morphological studies of *Rhopalias* spp. from *Philander opossum* in Bolivia. 39<sup>th</sup> Annual meeting of the Southwestern Association of Parasitologists.
72. Tinnin, D.S. **Gardner, S. L.** 2007. Another look at the el-nino effect on parasite loads of *Onychomys* from the Sevilleta LTER site in New Mexico. 85<sup>th</sup> Annual meeting of the American Society of Mammalogists, Albuquerque, New Mexico.
73. 3 other papers were presented by me and my students at the National Meeting of Mammalogists (2007)

#### FIELD WORK, COLLECTING AND VISITING PROFESSORSHIPS

- |           |   |
|-----------|---|
| 2002-2004 | Nebraska. Parasites of Geomyidae in the central Great Plains  |
| 2001      | Republic of South Africa. Parasites of archaic rodents of the southwestern Kalahari   |
| 2000      | Bolivia. Survey of mammals of Bolivia for parasites and the machupo virus   |
| 1999      | Mongolia. Collected parasites of mammals and participated in an NSF funded project to help establish an ILTER site  |
| 1997      | Bolivia. Presented paper and consulted with the Ministry of Health and the Ministry of the Environment in the Bolivian Government   |
| 1993-1996 | Bolivia. Biodiversity of Bolivia: survey of mammals and their parasites in altitudinal transects  |
| 1994      | Mexico. Helminth parasites of mammals of Baja California Sur: mainland-island comparisons   |
| 1992      | France. Visiting Professor/Curator. Laboratoire de Biologie Parasitaire, Protistologie, Helminthologie, Muséum National d'Histoire Naturelle, Paris   |
| 1990-1992 | Bolivia. Biodiversity of Bolivia: survey of mammals and their parasites in altitudinal transects  |
| 1989-2001 | New Mexico. Parasites of mammals from the Sevilleta Long Term Ecological Research Site in NM  |
| 1988      | Switzerland and France. Informal consultations: WHO, Veterinary Disease Section and Tropical Disease Section; Muséum National d'Histoire Naturelle (Paris), Division of Worms; Muséum d'Historie Naturelle de la Ville de Genève, Division of Worms |
| 1984-1986 | Bolivia. Survey of the parasites of mammals of Bolivia  |
| 1984-1988 | Mexico, Sonora. Parasites of stingrays ( <i>Urolophus</i> ) in the Gulf of California   |
| 1976-1988 | Oregon, Colorado and New Mexico. A survey of parasites of the family Geomyidae  |
| 1974-1976 | Alaska. A survey of animal parasites  |

**COLLECTION ACTIVITIES**

- 2003- Started Journal of Parasitology Scanning Project - 7/8 finished scanning the Journal of Parasitology for free public access, funded by the American Society of Parasitologists.
- 2000- Integrating the Bolivian Mammal Parasite Collection into an Internet enabled distributed database
- 1999 Started a new system of numbering and data cataloging called the "Nebraska Parasite Collecting Catalog." Allows consistent and non-redundant data acquisition in field and laboratory studies of hosts and their parasites
- 1998 Converted Manter Laboratory database from Rbase-DOS to MS Access under Windows NT-4.0 and put it online for searching via Web browsers
- 1998 Copied onto acid-free paper, and bound, the complete paper HWML collection catalog
- 1997-2000 Replaced all bakelite caps with PVC teflon lined vial caps in the liquid specimen collections
- 1996 Updated and upgraded computer database system in the HWML
- 1995-2000 Directed the repair of approximately 6,500 slides in the HWML
- 1994-2003 Added approximately 3,000 lots of specimens per year into the collections since 1994 (total now over 120,000 lots (>1,500,000 specimens)
- 1994-2001 Acquired several important animal parasite collections representing >50,000 specimens, including the Massey Insect Nematode Collection containing 134 holotype specimens and 1,800 cataloged vouchers (2001)
- 1994-2001 Acquired and placed into the HWML library, approximately 4,000 unique books and 10,000 unique reprints of systematic parasitology
- 1994-2001 Specimen loan activity increased from an average of about 10 loans per year to more than 20 per year
- 1994-1995 Renovated and expanded Division of Parasitology space in Nebraska Hall, UNL

**COURSES TAUGHT****University of California, Davis**

- 1991 Coevolution and Modern Systematic Biology (seminar). Department of Nematology
- 1992 Biology of Parasitism (lecture and lab, 3 credit hours). 145 students
- 1993 Introduction to Nematology (lecture, 2 credit hours). 50 students
- 1994 Introduction to Nematology (lecture, 2 credit hours). 45 students
- 1994 Biology of Parasitism (lecture and lab, 3 credit hours). 150 students

**University of Nebraska-Lincoln**

- 1995 Invertebrate Zoology (lecture and lab, 4 credit hours). Bios 381 and Bios 381L. 18 students
- 1996 Computer Methods in Phylogenetic Systematics (lecture, 1-3 credit hours). Bios 952. 8 students
- 1997 Introduction to Zoology Laboratory (lecture, 1 credit hour). Bios 112. 70 students
- 1998 Introduction to Zoology (lecture, 3 credit hours). Bios 112. 70 students
- 1999 Phylogenetic Coevolution (lecture, 3 credit hours). Bios 952. 2 graduate students
- 1999 Introduction to Zoology (lecture, 3 credit hours). Bios 112. 78 students
- 2000 Introduction to Zoology (lecture, 3 credit hours). Bios 112. 75 students
- 2002 Phylogenetic Coevolution (lecture, 3 credit hours). Bios 952. 4 grad students
- 2002 Introduction to Zoology (lecture, 3 credit hours). Bios 112. 65 students
- 2004 Biosystematics and Nomenclature (lecture, 3 credit hours). Bios 982. 6 grad students
- 2005 Introduction to Zoology, Spring (lab) 55 students
- 2005 Introduction to Zoology, Fall (lecture, 3 credit hours). Bios 112. 55 students
- 2005 Introduction to Zoology, Fall (lab) Bios 112. 55 students
- 2006 Introduction to Zoology, Fall (lab) Bios 112. 75 students
- 2006 Parasitology Seminar, Spring (seminar) Bios 960. 10 students
- 2006 Biosystematics and Nomenclature (lecture, 3 credit hours). Bios 982. 4 grad students
- 2007 Introduction to Zoology, Spring (lecture, 3 credit hours). Bios 112. 75 students
- 2007 Introduction to Zoology, Spring (lab) BIOS 112. 75 students
- 2007 Introduction to Zoology, Fall (lab) BIOS 112. 75 students

**DOCTORAL STUDENTS**

Dr. Luma Al-Banna	1995	UCD
F. Agustín Jiménez-Ruiz	2004	UNL
David Scott Tinnin	Ph.D. Candidate	UNL
Terry A. Haverkost	Ph.D. Candidate	UNL

**MASTERS STUDENTS**

Luma Al-Banna	1992	UCD
Mariel L. Campbell	1995	UCD
Sara V. Brant	1998	UNL

**UNDERGRADUATE STUDENTS****-RESEARCH EXPERIENCES FOR UNDERGRADUATES-**

Since 1992, 22 REU students have been trained in systematic and taxonomic parasitology, mammalogy, and field parasitology. More than ½ were female, several were from minority groups and most have gone on to professional training.

**GRADUATE COMMITTEES**

1992-1994	Masters degree committee chair for Mariel L. Campbell. Nematology Department, UC Davis
1990-1992	Masters degree committee chair for Luma Al-Banna. Nematology Department, UC Davis
1992-1994	Committee chair for Luma Al-Banna. Nematology Department, UC Davis
1994-1997	Masters degree committee chair for Sara V. Brant. Parasitology Graduate Research Emphasis Group, School of Biological Sciences, UNL
1996-1998	Committee member for Byron Adams, Ph.D. candidate in the Department of Plant Pathology, School of Biological Sciences, UNL
1998-present	Committee member for Peter Mullin, Ph.D. candidate in the Department of Plant Pathology, School of Biological Sciences, UNL
1998-present	Committee chair for Agustín Jiménez Ruiz, Ph.D. candidate in the Department of Plant Pathology, School of Biological Sciences, UNL
1999-2000	Committee member for G. Conchiero, Ph.D. candidate in School of Biological Sciences, UNL
2000-present	Committee member for Chenhong Li, Ph.D. candidate in School of Biological Sciences, UNL
2003-present	Committee chair for David S. Tinnin, Ph.D. candidate in School of Biological Sciences, UNL
2004-present	Committee chair for Terry Haverkost, Ph.D. candidate in School of Biological Sciences, UNL
2005-present	Committee member for Alaine Knipes, Ph.D. candidate in School of Biological Sciences, UNL
2005-present	Committee member for Gabriel Langford, Ph.D. candidate in School of Biological Sciences, UNL

**REVIEW PANELS/WORKSHOPS**

2006	Overcoming the "Digitization Bottleneck in Natural History Collections." Workshop: Harvard University Cambridge, Mass., September 8-9.
2004	NEON / EPSCoR Organizing committee and panel member on integration of the NEON initiative in EPSCoR funded states, Washington, D.C.
2003	Workshop to Produce a Decadal Vision for Taxonomy and Natural History Collections. Funded by the National Science Foundation. University of Florida Museum, Gainesville, FL
2003	The National Science Collections Alliance. Unification of the collections community - Creating an integrated research tool. Sevilleta Field Station, New Mexico
2002	Organizer: The Woodrat ATBI workshop. How to identify all species of symbionts from a single species of mammal. Funded by the All Species Foundation. Sevilleta Field Station, New Mexico
2002	Workshop to Advise NSF on the need for a Global Biodiversity Inventory. National Science Foundation. Washington, D.C.
1999	Stanford University and the California Academy of Sciences, Museums and Universities in the 21 <sup>st</sup> century
1999	National Science Foundation. Biological Observatory Network Workshop, California Academy of

- Sciences  
 1996 National Science Foundation. Biotic Surveys and Inventories Grant Review Panel  
 1991 National Science Foundation. Dissertation Advisory Review Panel

#### **NATIONAL AND INTERNATIONAL REVIEW PANELS FOR TENURE DECISIONS**

- 2005 Johns Hopkins, School of Medicine, External Reviewer for Tenure Decision  
 2001 University of Pretoria, South Africa, External Reviewer for Tenure Decision  
 2000 Tel Aviv University, Tel Aviv, Israel, External Reviewer for Tenure Decision

#### **SERVICE TO PROFESSIONAL SOCIETIES**

- 2007-present Secretary and Board Member. Natural Science Collections Alliance.  
 2006 President, Southwestern Association of Parasitologists  
 2005 Vice President, Southwestern Association of Parasitologists  
 2005-2007 Chairman of the Systematics Resources Committee, Society of Nematologists  
 2003 Member, Working Group, Infrastructure for Biology at Regional to Continental Scales (IBRCS), a project of the American Institute of Biological Sciences (AIBS) to start up NEON  
 2000-present Systematics Resources Committee, Society of Nematologists  
 2000-present Council member officer, American Society of Parasitologists  
 2000-present Newsletter editor, American Society of Parasitologists  
 2000-present Member of board of consultants to the editor, Journal of Parasitology  
 1999-2000 Representative to the American Society of Parasitologists Council for the Southwestern Association of Parasitologists  
 1996-present Webmaster, American Society of Parasitologists Web Pages  
 1996-present Electronic newsletter editor, American Society of Parasitologists  
 1995-1996 Systematics Resources Committee, Society of Nematologists  
 1994-2004 UNIX Machine operator, American Society of Parasitologists Web Pages

#### **MANUSCRIPT REVIEWS (I have reviewed manuscripts for the following journals)**

- |   |                                  |
|---|----------------------------------|
| Biological Control                            | Journal of Mammalogy             |
| Canadian Journal of Zoology                   | Journal of Biogeography          |
| Comparative Parasitology                      | Nematologica                     |
| FASEB Journal                                 | Proceedings of the Royal Society |
| Helminthological Society of Washington        | Smithsonian Institution Press    |
| Instituto de Biología Universidad Nacional    | Systematic Parasitology          |
| Autonoma de Mexico–Serie Cuadernos y Listados | Systematic Biology               |
| Faunisticos                                   | The Prairie Naturalist           |
| International Journal for Parasitology        | The Southwestern Naturalist      |
| Journal of Parasitology                       | The Journal of Biogeography      |

#### **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

- |   |  |
|---|--|
| American Association for the Advancement of Science | Society of Systematic Biologists         |
| American Society of Parasitologists                 | Society of Nematologists                 |
| American Society of Mammalogists                    | Southwestern Association Parasitologists |
| American Institute of Biological Sciences           | Sigma Xi                                 |
| Helminthological Society of Washington              |  |

#### **GRANT PROPOSALS REVIEWED**

Approx. no. reviewed/agency

National Science Foundation	28
National Institutes of Health	1
United States Department of Agriculture	3
North Carolina Biotechnology Center	2

### UNIVERSITY SERVICE COMMITTEES

2005-	Member, Graduate Committee, School of Biological Sciences, UNL
2006-	Member, Institutional Animal Use and Care Committee, UNL
2003-	Member, Peer Review of Teaching Committee, School of Biological Sciences, UNL
2004-	Chair, Parasitology Graduate Research Emphasis Group, School of Biological Sciences, UNL
1999-2005	Chair and re-organizer, Systematics and Biological Diversity Graduate Research Emphasis Group (SBD-GREG), School of Biological Sciences, UNL
2000-2004	Member, UNL Biological Observatory Network/National Ecological Observatory Network (NEON) Organizing Committee
2000-2002	Advisor to the Ecology NOW undergraduate student club, UNL
1998-	Member, Museum Computerization Committee, UNSM, UNL
1997-1998	Coordinated the noon ecology seminar series in the School of Biological Sciences, UNL
1997	Member, Search Committee, Molecular Systematics Position, School of Biological Sciences, UNL
1997	Member, Dean's Committee on Joint Appointments, College of Arts and Sciences, UNL
1997	Chair, Committee on Museum Initiative, UNSM, UNL
1996-	Active member of the Parasitology Graduate Research Emphasis Group
1995	Presented on international research for a two-day program, "Planning and conducting International Research Projects," UNL
1994-2000	Web master and machine operator for the UNSM WWW operations
1994-1996	Representative from UNSM, Academic Senate, UNL
1993-1994	Member, Task Force to Establish a Center for Biosystematics, University of California, Davis
1992-1994	Member, Graduate Education Committee, University of California, Davis
1992	Member, Curriculum Review Committee, Department of Nematology, University of California, Davis
1992	Member, Campus-wide Museum Task Force, University of California, Davis
1991-1992	Chair, Policy Committee, Biological Collections Task Force Review, University of California, Davis

### COMMUNITY PRESENTATIONS

2007	"The worms crawl in the worms crawl out." Outreach program for underrepresented student groups. Program for current grants at the University of Nebraska State Museum summer science program. Funded by the National Science Foundation.
2000	"Research in the Manter Laboratory of Parasitology." A group presentation in the Manter Laboratory of Parasitology to the East High School Zoology Class, Lincoln, NE
1999	"International research in the Manter Laboratory of Parasitology." East High School Zoology Class, Lincoln, NE
1997	"What is a tropical rain forest?" Group presentation to all 3rd grade classes, Morley Elementary School, Lincoln, NE
1996	"Tropical rain forests in Bolivia." Group presentation to all 1st and 2nd grade classes, Maxey Elementary School, Lincoln, NE
1996	"What kinds of organisms live in tropical rain forests in Bolivia?" Group presentation to all 3rd grade classes, Morley Elementary School, Lincoln, NE
1994	"What do scientists do when they study the rain forest?" Group Presentation to all 4th grade classes, Holmes Elementary School, Lincoln, NE
1994	"Biodiversity of Bolivia and the University of Nebraska State Museum." Presentation to the 25 Year Club of Lincoln Electric Service, Lincoln, NE
1993	"Tropical forest mammals: what lives in a rain forest?" Presentation to 3rd grade class at West Davis Elementary School, Davis, CA