

ERIC M. GESE

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EDUCATION

Ph.D.	Wildlife Ecology	University of Wisconsin - Madison 1995
M.S.	Wildlife Ecology	University of Wisconsin - Madison 1987
B.S.	Biology	University of Texas - San Antonio 1982

EMPLOYMENT

6/95-present **RESEARCH WILDLIFE BIOLOGIST**, USDA National Wildlife Research Center, Department of Forest, Range, and Wildlife Sciences, Utah State University, Logan, UT 84322

UNIVERSITY APPOINTMENT

4/02-present **RESEARCH ASSOCIATE PROFESSOR**, Department of Forest, Range, and Wildlife Sciences, Utah State University, Logan

TEACHING

Directed Study: Home Range Analyses	1997
Predator Ecology and Management	1997, 1999, 2001, 2003
Special Topics: Carnivore Conservation	2000, 2002
Special Topics: Population Dynamics	1997
Special Topics: Problems & Management of Wildlife on Protected Areas	1996

SERVICE

- Member, IUCN/SSC Canid Specialist Group, 2001-present.
- Member, Red Wolf Recovery Implementation Team, 2000-present.
- Member, Yellowstone Pronghorn Conservation Assessment Workshop, 2002.
- Member, Research Technical Committee, Swift Fox Conservation Team, 1995-2001.
- Memberships: The Wildlife Society, Wildlife Disease Association, Animal Behavior Society.
- Technical Reviewer:

Wildlife Monographs	Journal of Wildlife Management
Wildlife Society Bulletin	Neotropical Wildlife
American Midland Naturalist	Journal of Mammalogy
Conservation Biology	Western North American Naturalist
Ethology	Canadian Journal of Zoology
Journal of Range Management	Mammalia
Ohio Journal of Science	International Biodeterioration & Biodegradation
Behavioural Processes	Proceedings 1 st Swift Fox Symposium
Biological Conservation	Environmental Management
IUCN Canid Action Plan, 2 nd ed.	The Biology and Conservation of Wild Canids
Animal Behaviour	
11th International Bear Research & Management Conference	
- Proposal Reviewer:

National Science Foundation	Israel Science Foundation
U.S. Department of Agriculture, Integrated Pest Management	

GRANTS & RESEARCH SUPPORT

1983-1989	\$210,000	Ecology of coyotes on the Pinon Canyon Maneuver Site, Colorado – U.S. Army; U.S. Fish and Wildlife Service (Co-investigator with Orrin Rongstad)
1990	\$10,000	Mechanisms triggering wolf dispersal in northeastern Minnesota – Minneapolis Big Game Club (Co-investigator with L. David Mech)
1996-2001	\$237,525	Swift fox on the Pinon Canyon Maneuver Site, Colorado: population

		ecology and evaluation of survey methodologies – U.S. Army; U.S. Fish and Wildlife Service (Principal investigator)
1996-1999	\$104,300	Resource competition between swift foxes and coyotes in southeastern Colorado – U.S. Army; U.S. Fish and Wildlife Service; USGS-BRD; USU Berryman Institute; USU College of Natural Resources; USDA (Principal investigator)
1996-2000	\$205,344	Coyote sterilization as a method of reducing predation on domestic lambs – USDA; Utah Ag Experiment Station (Principal investigator)
1997-2001	\$114,350	Wolves of Agassiz National Wildlife Refuge – U.S. Fish and Wildlife Service; USDA (Principal investigator)
1999-2003	\$102,427	Coyote-kit fox interactions on Dugway Proving Ground, Utah – U.S. Army; USDA (Co-investigator with Wendy Arjo)
2000-2003	\$87,107	Spatial ecology of swift foxes in southeastern Colorado – U.S. Army; U.S. Fish and Wildlife Service; USDA; Welder Wildlife Foundation (Principal investigator)
2000-2004	\$209,990	Conservation strategies for jaguars and pumas in the Pantanal region, Brazil – Wildlife Conservation Society; Sociedade Civil Mamiará [Brazil]; Conservation, Food and Health Foundation; USDA (Co-investigator with Sandra Cavalcanti)
2001-2005	\$294,400	Swift foxes as an indicator species of ecosystem health on the Pinon Canyon Maneuver Site, Colorado – U.S. Army (Principal investigator)
2001-2004	\$55,271	Landscape use and diet of coyotes in the suburbs of Chicago – Max McGraw Wildlife Foundation; USDA (Co-investigator with Stan Gehrt)
2002	\$17,000	A guide to predation management techniques for agricultural producers – Utah Agriculture Experiment Station (Principal investigator)

PUBLICATIONS

- Van Auken, O. W., E. M. Gese, and K. Connors. (1985) Fertilization response of early and late successional species: *Acacia smallii* and *Celtis laevigata*. *Botanical Gazette* 146:564-569.
- Gese, E. M., O. J. Rongstad, and W. R. Mytton. (1987) Manual and net-gun capture of coyotes from helicopters. *Wildlife Society Bulletin* 15:444-445.
- Gese, E. M., O. J. Rongstad, and W. R. Mytton. (1988) Home range and habitat use of coyotes in southeastern Colorado. *Journal of Wildlife Management* 52:640-646.
- Gese, E. M., O. J. Rongstad, and W. R. Mytton. (1988) Relationship between coyote group size and diet in southeastern Colorado. *Journal of Wildlife Management* 52:647-653.
- Gese, E. M., O. J. Rongstad, and W. R. Mytton. (1989) Population dynamics of coyotes in southeastern Colorado. *Journal of Wildlife Management* 53:174-181.
- Gese, E. M., O. J. Rongstad, and W. R. Mytton. (1989) Changes in coyote movements due to military activity. *Journal of Wildlife Management* 53:334-339.
- Gese, E. M. (1990) Reproductive activity in an old-age coyote in southeastern Colorado. *Southwestern Naturalist* 35:101-102.
- Gese, E. M., D. E. Andersen, and O. J. Rongstad. (1990) Determining home-range size of resident coyotes from point and sequential locations. *Journal of Wildlife Management* 54:501-506.
- Gese, E. M., and L. D. Mech. (1991) Dispersal of wolves (*Canis lupus*) in northeastern Minnesota, 1969-1989. *Canadian Journal of Zoology* 69:2946-2955.
- Kunkel, K. E., R. C. Chapman, L. D. Mech, and E. M. Gese. (1991) Testing the Wildlink activity-detection system on wolves and white-tailed deer. *Canadian Journal of Zoology* 69:2466-2469.

- Gese, E. M., R. D. Schultz, O. J. Rongstad, and D. E. Andersen. (1991) Prevalence of antibodies against canine parvovirus and canine distemper virus in wild coyotes in southeastern Colorado. *Journal of Wildlife Diseases* 27:320-323.
- Mech, L. D., and E. M. Gese. (1992) Field testing the Wildlink capture collar on wolves. *Wildlife Society Bulletin* 20:221-223.
- DelGiudice, G. D., L. D. Mech, K. E. Kunkel, E. M. Gese, and U. S. Seal. (1992) Seasonal patterns of weight, hematology, and serum characteristics of free-ranging female white-tailed deer in Minnesota. *Canadian Journal of Zoology* 70:974-983.
- Gese, E. M., and D. E. Andersen. (1993) Success and cost of capturing coyotes, *Canis latrans*, from all-terrain-vehicles. *Canadian Field-Naturalist* 107:112-114.
- Knowlton, F. F., and E. M. Gese. (1995) Coyote population processes revisited. Pages 1-6 *in* Coyotes in the Southwest: a Compendium of Our Knowledge. *Edited by* D. Rollins, C. Richardson, T. Blankenship, K. Canon, and S. Henke. Texas Parks and Wildlife Department, Austin, Texas.
- Gese, E. M., and S. Grothe. (1995) Analysis of coyote predation on deer and elk during winter in Yellowstone National Park, Wyoming. *American Midland Naturalist* 133:36-43.
- Gese, E. M., T. E. Stotts, and S. Grothe. (1996) Interactions between coyotes and red foxes in Yellowstone National Park, Wyoming. *Journal of Mammalogy* 77:377-382.
- Gese, E. M., R. L. Ruff, and R. L. Crabtree. (1996) Foraging ecology of coyotes (*Canis latrans*): the influence of extrinsic factors and a dominance hierarchy. *Canadian Journal of Zoology* 74:769-783.
- Gese, E. M., R. L. Ruff, and R. L. Crabtree. (1996) Intrinsic and extrinsic factors influencing coyote predation of small mammals in Yellowstone National Park. *Canadian Journal of Zoology* 74:784-797.
- Gese, E. M., R. L. Ruff, and R. L. Crabtree. (1996) Social and nutritional factors influencing the dispersal of resident coyotes. *Animal Behaviour* 52:1025-1043.
- Gese, E. M., R. D. Schultz, M. R. Johnson, E. S. Williams, R. L. Crabtree, and R. L. Ruff. (1997) Serological survey for diseases in free-ranging coyotes (*Canis latrans*) in Yellowstone National Park, Wyoming. *Journal of Wildlife Diseases* 33:47-56.
- Gese, E. M., and R. L. Ruff. (1997) Scent-marking by coyotes (*Canis latrans*): the influence of social and ecological factors. *Animal Behaviour* 54:1155-1166.
- DeLiberto, T. J., E. M. Gese, F. F. Knowlton, J. R. Mason, M. R. Conover, L. Miller, R. H. Schmidt, and M. K. Holland. (1998) Fertility control in coyotes: is it a potential management tool? Pages 144-149 *in* Proceedings of the 18th Vertebrate Pest Conference. *Edited by* R. O. Baker and A. C. Crabb. University of California, Davis.
- Gese, E. M., and R. L. Ruff. (1998) Howling by coyotes (*Canis latrans*): variation among social classes, seasons, and pack sizes. *Canadian Journal of Zoology* 76:1037-1043.
- Gese, E. M. (1998) Response of neighboring coyotes (*Canis latrans*) to social disruption in an adjacent pack. *Canadian Journal of Zoology* 76:1960-1963.
- Gese, E. M. (1999) Threat of predation: do ungulates behave aggressively towards different members of a coyote pack? *Canadian Journal of Zoology* 77:499-503.
- Knowlton, F. F., E. M. Gese, and M. M. Jaeger. (1999) Coyote depredation control: an interface between biology and management. *Journal of Range Management* 52:398-412.

- Kitchen, A. M., E. M. Gese, and E. R. Schauster. (1999) Resource partitioning between coyotes and swift foxes: space, time, and diet. *Canadian Journal of Zoology* 77:1645-1656.
- Kitchen, A. M., E. M. Gese, and E. R. Schauster. (2000) Long-term spatial stability of coyote (*Canis latrans*) home ranges in southeastern Colorado. *Canadian Journal of Zoology* 78:458-464.
- Shivik, J. A., and E. M. Gese. (2000) Territorial significance of home range estimators for coyotes. *Wildlife Society Bulletin* 28:940-946.
- Kitchen, A. M., E. M. Gese, and E. R. Schauster. (2000) Changes in coyote activity patterns due to reduced exposure to human persecution. *Canadian Journal of Zoology* 78:853-857.
- Gese, E. M. (2001) Monitoring of terrestrial carnivore populations. Pages 372-396 in *Carnivore Conservation*. Edited by J. L. Gittleman, S. M. Funk, D. W. Macdonald, and R. K. Wayne. Cambridge University Press, London.
- Bromley, C., and E. M. Gese. (2001) Effects of sterilization on territory fidelity and maintenance, pair bonds, and survival rates of free-ranging coyotes. *Canadian Journal of Zoology* 79:386-392.
- Gese, E. M. (2001) Territorial defense by coyotes (*Canis latrans*) in Yellowstone National Park, Wyoming: who, how, where, when, and why. *Canadian Journal of Zoology* 79:980-987.
- Bromley, C., and E. M. Gese. (2001) Surgical sterilization as a method of reducing coyote predation on domestic sheep. *Journal of Wildlife Management* 65:510-519.
- Gese, E. M., and F. F. Knowlton. (2001) The role of predation in wildlife population dynamics. Pages 7-25 in *The Role of Predator Control as a Tool in Game Management*. Edited by T. F. Ginnett and S. E. Henke. Texas Agricultural Research and Extension Center, San Angelo, Texas.
- Schauster, E. R., E. M. Gese, and A. M. Kitchen. (2002) Population ecology of swift foxes (*Vulpes velox*) in southeastern Colorado. *Canadian Journal of Zoology* 80:307-319.
- Schauster, E. R., E. M. Gese, and A. M. Kitchen. (2002) An evaluation of survey methods for monitoring swift fox abundance. *Wildlife Society Bulletin* 30:464-477.
- Andersen, D. E., T. R. Laurion, J. R. Cary, R. S. Sikes, M. A. McLeod, and E. M. Gese. (2003) Aspects of swift fox ecology in southeastern Colorado. Pages 139-148 in *Ecology and Conservation of Swift Foxes in a Changing World*. Edited by M. A. Sovada and L. N. Carbyn. Canadian Plains Research Center, University of Regina, Saskatchewan, Canada.
- Arjo, W. M., E. M. Gese, C. Bromley, A. Kozłowski, and E. S. Williams. (2003) Serologic survey for diseases in free-ranging coyotes (*Canis latrans*) from two ecologically distinct areas of Utah. *Journal of Wildlife Diseases* 39:449-455.
- Bekoff, M., and E. M. Gese. (2003) Coyote (*Canis latrans*). Pages 467-481 in *Wild Mammals of North America: Biology, Management, and Conservation*, 2nd edition. Edited by G. A. Feldhamer, B. C. Thompson, and J. A. Chapman. Johns Hopkins University Press, Baltimore, Maryland.
- Gese, E. M. (2003) Management of carnivore predation as a means to reduce livestock losses: the study of coyotes (*Canis latrans*) in North America. Pages 85-102 in *1st Workshop sobre Pesquisa e Conservação de Carnívoros Neotropicals, Atibaia, Sao Paulo, Brasil*.
- Kozłowski, A. J., T. J. Bennett, E. M. Gese, and W. M. Arjo. (2003) Live capture of denning mammals using an improved box trap enclosure: kit foxes as a test case. *Wildlife Society Bulletin* 31:630-633.

Gese, E. M. (2004) Coyotes in Yellowstone National Park: the influence of dominance on foraging, territoriality, and fitness. Pages 267-279 in *Biology and Conservation of Wild Canids*. Edited by D. W. Macdonald and C. Sillero-Zubiri. Oxford University Press, Oxford.

Kamler, J. F., W. B. Ballard, E. M. Gese, R. L. Harrison, S. M. Karki, and K. Mote. (2004) Adult male emigration and a female-based social organisation in swift foxes, *Vulpes velox*. *Animal Behaviour* (in press).

Gese, E. M., and M. Bekoff. (2004) Coyote (*Canis latrans*). In *Canids: Foxes, Wolves, Jackals, and Dogs. Status Survey and Conservation Action Plan*, 2nd edition. Edited by C. Sillero-Zubiri, M. Hoffmann, and D. W. Macdonald. IUCN/SSC Canid Specialist Group, Gland, Switzerland, and Cambridge, UK. (in press).

Gese, E. M. (2004) Survey and census techniques for canids. In *Canids: Foxes, Wolves, Jackals, and Dogs. Status Survey and Conservation Action Plan*, 2nd edition. Edited by C. Sillero-Zubiri, M. Hoffmann, and D. W. Macdonald. IUCN/SSC Canid Specialist Group, Gland, Switzerland, and Cambridge, UK. (in press).

Vercauteren, K. C., R. A. Dolbeer, and E. M. Gese. (2004) Identification and control of wildlife damage. In *Techniques for Wildlife Investigations and Management*, 6th edition. Edited by C. Braun. The Wildlife Society, Bethesda, Maryland (in press).

CONFERENCE PRESENTATIONS

Van Auken, O. W., E. Gese, and K. Connors. (1984) Nitrogen requirements of *Celtis laevigata* and *Acacia smallii*, two successional species. 87th Annual Texas Academy of Science Conference.

Van Auken, O. W., K. Connors, E. Gese, and J. K. Bush. (1984) Nitrogen and community development of the South Texas plains. 14th Annual Southwestern Association of Naturalists Conference.

Gese, E. M., and L. D. Mech. (1990) Dispersal of wolves (*Canis lupus*) from northeastern Minnesota, 1969-1989. 52nd Annual Midwest Fish and Wildlife Conference, Minneapolis, MN.

Gese, E. M., R. L. Ruff, and R. L. Crabtree. (1995) Influence of social and environmental factors on behavioral budgeting of coyotes (*Canis latrans*) in Yellowstone National Park. 3rd Biennial Conference on the Greater Yellowstone Ecosystem: Greater Yellowstone Predators.

Grothe, S., R. L. Crabtree, E. M. Gese, K. Hatier, and H. D. Picton. (1995) Winter ungulate carrion and landscape influences on coyote behavior and population demographics on Yellowstone's northern range. 3rd Biennial Conference on the Greater Yellowstone Ecosystem: Greater Yellowstone Predators.

Johnson, M. R., E. Williams, R. D. Schultz, E. M. Gese, R. L. Crabtree, and W. G. Brewster. (1995) A pre-wolf disease survey in Yellowstone National Park. 3rd Biennial Conference on the Greater Yellowstone Ecosystem: Greater Yellowstone Predators.

Stotts, T. E., E. M. Gese, and S. Grothe. (1995) Behavioral assessment of red fox and coyote interactions in Yellowstone National Park, Wyoming. 3rd Biennial Conference on the Greater Yellowstone Ecosystem: Greater Yellowstone Predators.

Gese, E. M., and R. L. Ruff. (1996) Dispersal of coyotes in Yellowstone National Park: Why leave home? Annual Meeting, Montana Chapter of The Wildlife Society, Chico Hot Springs, MT.

Mason, J. R., F. Knowlton, E. Gese, D. Zemlicka, J. McConnell, T. Hall, L. Windberg, and B. Kelly. (1996) Overview of predator research activities at the Logan Research Station of the National Wildlife Research Center. Annual Meeting of the Northeast Association of Wildlife Damage Biologists.

Gese, E. M. (1997) Response of coyotes to increased exploitation in southeastern Colorado. 33rd Conference of the Western Section of The Wildlife Society, San Diego, CA.

Gese, E. M. (1997) Recapture collars and abdominal implants. Wolf Field Techniques Workshop, Chico Hot

Springs, MT.

Gese, E. M., E. R. Schauster, and A. M. Kitchen. (1997) Endangered species management: altering contemporary predation paradigms. 4th Annual Conference, The Wildlife Society, Snowmass, CO.

Schauster, E. R., E. M. Gese, and A. M. Kitchen. (1998) Population ecology and evaluation of survey methods for swift fox. Swift Fox Symposium: ecology and conservation of swift foxes in a changing world, Saskatoon, Saskatchewan.

Kitchen, A. M., E. M. Gese, and E. R. Schauster. (1998) Resource partitioning between swift foxes and coyotes: space, time, and diet. Swift Fox Symposium: ecology and conservation of swift foxes in a changing world, Saskatoon, Saskatchewan.

Andersen, D. E., T. R. Laurion, J. R. Cary, R. S. Sikes, and E. M. Gese. (1998) Ecology of swift fox in southeastern Colorado. Swift Fox Symposium: ecology and conservation of swift foxes in a changing world, Saskatoon, Saskatchewan.

DeLiberto, T. J., M. R. Conover, E. M. Gese, F. F. Knowlton, J. R. Mason, L. Miller, R. H. Schmidt, and M. K. Holland. (1998) Fertility control in coyotes: is it a potential management tool? 18th Vertebrate Pest Control Conference, Costa Mesa, CA.

Gese, E. M. (1998) An overview of coyote ecology. 79th Meeting, Pacific Division of the American Association for the Advancement of Science, Logan, UT.

Farrar, R. O., and E. M. Gese. (1998) Surgical sterilization of coyotes as a method of reducing depredations on domestic lambs. 79th Meeting, Pacific Division of the American Association for the Advancement of Science, Logan, UT.

Knowlton, F. F., and E. M. Gese. (1998) Space use considerations in managing species across multiple ownership tracts: examples from coyote and jackrabbit studies. 5th Annual Conference, The Wildlife Society, Buffalo, NY.

Kitchen, A. M., and E. M. Gese. (1999) Resource partitioning between swift foxes and coyotes. Wildlife Services National Conference, Estes Park, CO.

Bromley, C., and E. M. Gese. (1999) Sterilization of coyotes as a method of reducing depredation on domestic lambs. Wildlife Services National Conference, Estes Park, CO.

Kitchen, A. M., and E. M. Gese. (1999) Resource partitioning between swift foxes and coyotes. 6th Annual Conference, The Wildlife Society, Austin, TX.

Gese, E. M. (1999) Mechanisms of territorial defense by coyotes: scent-marking, howling, and confrontation. 6th Annual Conference, The Wildlife Society, Austin, TX.

Kitchen, A. M., E. M. Gese, and E. R. Schauster. (2000) Resource partitioning between swift foxes and coyotes: space, time, and diet. 36th Conference, Western Section, The Wildlife Society, Riverside, CA.

Chavez, A. S., and E. M. Gese. (2000) Ecological relationships between timber wolves, *Canis lupus*, and agriculture at Agassiz NWR, northwestern Minnesota. Beyond 2000: Realities of Global Wolf Restoration, Duluth, MN.

Chavez, A. S., and E. M. Gese. (2000) Ecological relationships between timber wolves, *Canis lupus*, and agriculture at Agassiz NWR, northwestern Minnesota. 12th North American Interagency Wolf Conference, Chico Hot Springs, MT.

Bromley, C., and E. M. Gese. (2000) Sterilization as a method of reducing coyote predation on domestic sheep. 7th Annual Conference, The Wildlife Society, Nashville, TN.

Schauster, E. R., E. M. Gese, and A. M. Kitchen. (2000) Population ecology of swift foxes in southeastern Colorado. 7th Annual Conference, The Wildlife Society, Nashville, TN.

Chavez, A. S., and E. M. Gese. (2000) Interactions between timber wolves, *Canis lupus*, and agriculture in northwestern Minnesota. 7th Annual Conference, The Wildlife Society, Nashville, TN.

Gese, E. M. (2000) Response of coyotes to increased food and exploitation: a comparison of two populations. Carnivores 2000 Conference, Denver, CO.

Schauster, E. R., E. M. Gese, and A. M. Kitchen. (2000) Population ecology of swift foxes in southeastern Colorado. Carnivores 2000 Conference, Denver, CO.

Bromley, C., and E. M. Gese. (2000) Sterilization as a method of reducing coyote predation on domestic sheep. Carnivores 2000 Conference, Denver, CO.

Chavez, A. S., and E. M. Gese. (2000) Interactions between timber wolves and agriculture in northwestern Minnesota. Carnivores 2000 Conference, Denver, CO.

Kitchen, A. M., E. M. Gese, and E. R. Schauster. (2000) Interactions between swift foxes and coyotes in southeastern Colorado. Carnivores 2000 Conference, Denver, CO.

Bromley, C., and E. M. Gese. (2001) Surgical sterilization as a technique for reducing coyote predation on domestic sheep. Annual Meeting, Colorado Chapter, The Wildlife Society, Grand Junction, CO.

Gese, E. M., S. M. Karki, A. M. Kitchen, and E. R. Schauster. (2001) Swift fox and coyote research on the Pinon Canyon Maneuver Site, Colorado. 66th North American Wildlife and Natural Resources Conference, National Military Fish and Wildlife Association, Washington, D.C.

Gese, E. M., and F. F. Knowlton. (2001) The role of predation in wildlife population dynamics. Symposium: The Role of Predator Control as a Tool in Game Management. Kerrville, TX.

Gese, E. M., and C. Bromley. (2001) Surgical sterilization as a method of reducing coyote predation on domestic sheep. 8th International Theriological Congress, Sun City, South Africa.

Kitchen, A. M., and E. M. Gese. (2001) Spatial ecology and genetic relatedness of swift foxes in southeastern Colorado. 9th Biennial Symposium, Welder Wildlife Foundation, Sinton, TX.

Gese, E. M., E. R. Schauster, and A. M. Kitchen. (2001) A test of survey methods for swift foxes (*Vulpes velox*). Canid Biology and Conservation Conference, Oxford, United Kingdom.

Kitchen, A. M., E. M. Gese, S. M. Karki, and E. R. Schauster. (2001) Genetic relatedness and spatial ecology of the swift fox. Canid Biology and Conservation Conference, Oxford, United Kingdom.

Karki, S. M., and E. M. Gese. (2001) Effect of coyote removal on swift fox population ecology. 8th Annual Conference, The Wildlife Society, Reno, NV.

Kozlowski, A., and E. M. Gese. (2001) Prey relationships and their mediating effect on kit fox (*Vulpes macrotis*) and coyote (*Canis latrans*) spatial interactions on Dugway Proving Ground, Utah. 8th Annual Conference, The Wildlife Society, Reno, NV.

Kitchen, A. M., E. M. Gese, S. M. Karki, and E. R. Schauster. (2002) Genetic relatedness and spatial ecology of the swift fox (*Vulpes velox*). Carnivores 2002 Conference, Monterey, CA.

Karki, S. M., and E. M. Gese. (2002) Effect of coyote removal on swift fox population ecology. Carnivores 2002 Conference, Monterey, CA.

Kozlowski, A., and E. M. Gese. (2002) The challenges of determining habitat preference for a declining kit fox (*Vulpes macrotis*) population. Carnivores 2002 Conference, Monterey, CA.

Gehrt, S. D., P. Morey, C. Anchor, and E. M. Gese. (2002) Coyote movements, spatial organization and landscape use in the Chicago region. Carnivores 2002 Conference, Monterey, CA.

Gese, E. M. (2003) Management of carnivore predation as a means to reduce livestock losses – the study of coyotes (*Canis latrans*) in North America. 1st Workshop on Research and Conservation of Neotropical Carnivores, Atibaia, Brazil.

Morey, P. S., E. M. Gese, S. D. Gehrt, and C. Anchor. (2003) Food utilization by coyotes in the suburbs of Chicago. 10th Annual Conference, The Wildlife Society, Burlington, VT.

Morey, P. S., E. M. Gese, S. D. Gehrt, and C. Anchor. (2003) Landscape use by coyotes in the suburbs of Chicago. 10th Annual Conference, The Wildlife Society, Burlington, VT.

Gese, E. M. (2003) Demographic and spatial responses of coyotes to increased food and exploitation in southeastern Colorado. 3rd International Wildlife Management Congress, Christchurch, New Zealand.

Arjo, W. M., and E. M. Gese. (2003) Coyotes of Glacier and Yellowstone: the influence of predator-prey assemblages. 3rd International Wildlife Management Congress, Christchurch, New Zealand.

Kitchen, A. M., E. M. Gese, S. M. Karki, and E. R. Schauster. (2003) Social and spatial ecology of the swift fox (*Vulpes velox*). 3rd International Wildlife Management Congress, Christchurch, New Zealand.

INVITED SEMINARS

- 1986 Ecology of coyotes in southeastern Colorado. University of Wisconsin, Madison.
- 1992 Playing Dog in Yellowstone: coyote research in the park. Montana State University, Bozeman.
- 1993 Behavioral and ecological factors influencing coyote predation in Yellowstone National Park. University of Wisconsin, Madison.
- 1993 Reintroduction of the Rocky Mountain wolf and possible impacts to the Yellowstone ecosystem. San Antonio College, San Antonio.
- 1994 Coyote research in Yellowstone National Park. University of Wisconsin, Madison.
- 1995 Foraging ecology of coyotes in Yellowstone National Park. Hopland Field Station, Calif.
- 1995 Foraging ecology of coyotes in Yellowstone National Park. University of California, Berkeley.
- 1995 Foraging ecology of coyotes in Yellowstone National Park. Utah State University, Logan.
- 1995 Foraging ecology and dispersal of coyotes in Yellowstone National Park. University of Texas, San Antonio.
- 1996 Reintroduction of wolves to Yellowstone. Utah State University, Logan.
- 1997 Wolf and coyote populations in Yellowstone National Park. San Antonio College, San Antonio.
- 1997 Social ecology and behavior of coyotes in Yellowstone. Colorado State University, Fort Collins.
- 1998 Coyote communication. Utah State University, Logan.
- 1998 Reintroduction of wolves to Yellowstone National Park. USU-Uintah Basin Campus, Roosevelt.
- 2000 Two decades of canid research: my life has gone to the dogs. Utah State University, Logan.
- 2002 Swift fox ecology in southeastern Colorado. University of Kentucky, Lexington.
- 2002 Jaguar research in Brazil. Utah State University, Logan.

AGENCY PRESENTATIONS

- 1995 Foraging ecology of coyotes in Yellowstone National Park. Denver Wildlife Research Center.
- 1996 Population dynamics of coyotes in Yellowstone National Park. National Wildlife Research Center.
- 1997 Update: National Wildlife Research Center activities. Annual Utah Wildlife Services meeting.
- 1998 Coyote ecology, behavior, and research. Annual Utah Wildlife Services meeting.
- 1998 Predator ecology research update. Annual Wildlife Services Western Region Directors meeting.
- 1999 Research update: sterilization. Annual Idaho-Wyoming Wildlife Services meeting.
- 2000 Field research in predator ecology. National Wildlife Research Center.

- 2003 Net-gun capture of wildlife. Four Corners Wildlife Services Conference.
 2003 Jaguars on the southern side. Four Corners Wildlife Services Conference.

PUBLIC PRESENTATIONS

- 1987 Mountaineering in South America. The Lions Club, Trinidad, CO.
 1990 Endangered species in the United States: problems, research, and recovery. St. Paul High School District, MN.
 1990 Ecology of the timber wolf in northeastern Minnesota. International Wolf Center, Ely, MN.
 1992 Techniques used in wild canid research. Yellowstone National Park, WY.
 1993 Ecology of coyotes in Yellowstone National Park. Elderhostel, Cooke City, MT.
 1998 Coyote behavior and research. Utah Woolgrowers and Cattleman's Conference, Salt Lake City, UT.
 2001 Coyote behavior and management. Senior Citizens Summer Program, Utah State University.
 2001 Carnivore research. Senior Citizens Summer Program, Utah State University.
 2002 The life of the coyote. Allen and Alice Stokes Nature Center, Logan, UT.

GRADUATE STUDENTS

Ann M. Kitchen. (1999) Resource partitioning between coyotes and swift foxes: space, time, and diet. M.S. degree, Utah State University.

Cassity Bromley. (2000) Coyote sterilization as a method of reducing predation on domestic lambs. M.S. degree, Utah State University.

Edward R. Schauster. (2001) Swift fox (*Vulpes velox*) on the Pinon Canyon Maneuver Site, Colorado: population ecology and evaluation of survey methodologies. M.S. degree, Utah State University.

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Craig M. Thompson. Landscape-level influences on swift fox demographics in southeastern Colorado. Ph.D. degree, Utah State University. In progress.

Kim Berger. Interspecific competition between recolonizing wolves and coyotes: implications for pronghorn persistence in Grand Teton National Park. Ph.D. degree, Utah State University. In progress.

Elizabeth Joyce. Reproductive success and parental attendance of swift fox (*Vulpes velox*) in southeastern Colorado. M.S. degree, Utah State University. In progress.

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