

CURRICULUM VITAE

NAME: Elmer J. Finck

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PRESENT POSITION: Professor and Chairman

CURRENT ADDRESS: Department of Biological Sciences
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Fort Hays State University
Hays, Kansas 67601-4099

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PERSONAL HISTORY: Born - Mandan, North Dakota June 23, 1947
Married with 2 sons

EDUCATION:

PhD - Biology - Behavioral Ecology - 1983, Kansas State University, Manhattan, KS.
Dissertation: Male behavior, territory quality and female choice in the dickcissel (*Spiza americana*). PhD Advisor: Dr. John L. Zimmerman.

MS - Biology - Plant Ecology - 1979, University of North Dakota, Grand Forks, ND.
Thesis: Effects of oxidized coal on mine spoils and the growth and chemical composition of wheatgrasses. MS Advisor: Dr. Mohan K. Wali.

BS - Fish and Wildlife Management - 1974, University of North Dakota, Grand Forks, ND.

AS - Math - 1972, College of Lake County, Grayslake, IL.

HONORS AND AWARDS:

2001 St. Teresa Award for service to the Didde Catholic Campus Center at Emporia State University.

1996-1997 Kansas Academy of Science Distinguished Lecturer.

1996 Xi Phi Outstanding Faculty Award at Emporia State University.

1993 Phi Kappa Phi - nominated to the Emporia State University Chapter in recognition of outstanding research and scholarship. One of four faculty so honored.

1983 H. Henley Haymaker Award for Excellence in Graduate Research - from the Faculty of the Division of Biology, Kansas State University.

Sigma Xi Associate Member at the University of North Dakota 1977. Full Member at Kansas State University 1983.

HEW Domestic Mining and Mineral Fuel Conservation Fellowship 1975-1977.

RESEARCH EXPERIENCES:

- Present Research - 1) Land use patterns and their effect on greater prairie-chicken (*Tympanuchus cupido*) in the Flint Hills of Kansas, 2) Conservation of spotted skunk (*Spilogale putorius*) in Kansas 3) Hematology, body condition and food caches of eastern woodrats (*Neotoma floridana*), 4) Effects of grazing on ground-nesting birds in the Red Hills of Kansas, 5) Effects of grassy terraces on ground-nesting birds, 6) Survey of waterfowl hunters at Cheyenne Bottoms, 7) Contact zone of northern short-tailed shrew (*Blarina brevicauda*) and Elliot's short-tailed shrew (*Blarina hylophaga*) in Iowa and Missouri, 8) Biology of the caracal (*Caracal caracal*), and 9) Densities of black-tailed prairie dog (*Cynomys ludovicianus*) in short-grass prairie
- 1987-1989 - Assistant Scientist. Coordinated research on the Konza Prairie Research Natural Area. Research on the behavioral ecology of bison. Synthesize research efforts related to the response to fire of birds and mammals.
- 1983-1987 - Postdoctoral Research Associate. Vertebrate ecologist on the Konza Prairie for NSF funded Long Term Ecological Research (LTER). Population dynamics and behavior of small mammals and birds.
- 1981-1983 - Research Assistant. Vertebrate ecologist on the Konza Prairie for NSF funded LTER. Response of small mammals and birds to disturbance (i.e., fire and grazing).
- 1979-1981 - Research on Konza Prairie involved the population dynamics and distraction displays of common nighthawk (*Chordeiles minor*), mourning dove (*Zenaida macroura*), and upland sandpiper (*Bartramia longicauda*) on burned versus unburned prairie.
- 1978-1981 - Research towards my PhD involved documentation of male behaviors, territory size, vegetation characteristics, and nest production for two populations of dickcissels - one on the prairie and the other in an oldfield.
- 1975-1977 - Graduate Research Assistant, HEW Fellowship. Research towards MS involved laboratory (Controlled Environmental Chambers) and field work on plant-soil interactions in the strip mines of western North Dakota.
- 1974-1975 - Assistant Ecologist, US Bureau of Mines. Research involved the study of plant-soil interactions in the strip mines of western North Dakota.
- 1973 Summer - Assistant Fisheries Biologist, North Dakota Game and Fish. Research involved aquatic chemistry and fish population dynamics in district lakes and streams.

TEACHING EXPERIENCES:

Fort Hays State University

2001 to present: Human Biology, Mammalogy, Wildlife Management, Human Dimensions in Wildlife Management, Ornithology, Evolution, Natural History of Vertebrates, and Graduate Seminars 1) Classic papers in Ecology, 2) Habitat Fragmentation and Grassland Birds, 3) the niche, and 4) Recent Papers in Science and nature

Emporia State University

1989 to 2001: Conservation Biology, Mammalogy, Introduction to Geospatial Analysis, Natural History of Vertebrates, Ornithology, Wildlife Management, Wildlife Policies, Animal Behavior, Ecology Lab, Evolution, General Biology, Grassland Ecology - Terrestrial, Macroecology, and Graduate Seminars on 1) Mammalian Ecology, 2) Dispersal, 3) Succession, 4) Mating Systems, 5) Biogeography, 6) Biodiversity, 7) Null Models in Ecology, 8) Macroecology, 9) Reproduction in Mammals, and 10) Phylogeny, Behavior, and Ecology.

University of Nebraska

Summer 1992 - General Ecology at the Cedar Point Biological Station in Ogallala, Nebraska, July 13 to August 13, 1992.

Summer 1997 - General Ecology at the Cedar Point Biological Station in Ogallala, Nebraska July 16 to August 15, 1997.

Kansas State University

1988 - Mammalogy as a sabbatical replacement.

1985-1988 - Organized and taught summer course for the Elderhostel Program - The Ecology of the Konza Prairie Research Natural Area.

1983-1988 - Invited lectures: in Wildlife Management, Wildlife Conservation, Ornithology, Physiological Adaptation of Animals, and Mammalogy.

1977-1983 - Organized two Graduate Seminars: 1) Reproductive Strategies and Mating Systems -included three off campus guest speakers, and 2) Grassland Ecology. Graduate Teaching Assistant - Ornithology, Physiological Adaptation of Animals, Organismic Biology, and Principles of Biology.

University of North Dakota

1977 Instructor - Summer Institute in Energy Economics and Mining Ecology for Educators.

1976 - Graduate Teaching Assistant - General Ecology.

ADVISOR FOR GRADUATE STUDENT - MS THESES COMPLETED:

2003. Predators of artificial nest in grasslands of east-central Kansas. Luke A. Westerman.
2002. Landscape features associated with greater prairie-chicken lek locations in Kansas. Brian Flock.
2001. Factors affecting habitat use by the fox squirrel (*Sciurus niger rufiventer*) in fragmented habitat of Eastern Kansas. Jacqueline A. DeSanty.
2001. Attitudes and opinions of landowners and general citizens to black-tailed prairie dog. Lynne Fox-Parrish.
2001. Landowner attitudes toward pronghorn in western Kansas. Jennifer Halstead Jensen.
2001. Distribution and mesohabitat characteristics of river otter in Kansas. Andrea C. Ostroff.
2001. Seasonal variation in hematology, body composition, and food caches of eastern woodrats (*Neotoma floridana*). Michael V. Snyder.
2000. The effects of food supplements on eastern bluebird nestling growth and survival. Douglas A. Robinson, Jr. **BOYLAN SCHOLAR.**
1999. Nesting habitat and responses to habitat edges of three grassland passerine species. William E. Jensen. **AWARDED THE BOYLAN OUTSTANDING THESIS FOR 1999.**
1999. Two management regimes in the tallgrass prairie: effects on plants and small mammals. Jeffrey D. Witters.
1998. The diet of pronghorn (*Antilocapra americana*) in the tallgrass prairie. David T. Ganey. **BOYLAN SCHOLAR.**
1998. Beaver in the Great Plains: habitat suitability index and flooding. Chad V. Gatlin.
1998. The effects of body size, season, and food type on food selection of eastern woodrats. Chris D. Hase.
1998. Nest box use by the southern flying squirrel (*Glaucomys volans*). Kelly J. Haggard.
1996. Effects of successional stage and plant association on moist soil unit macroinvertebrates. Francis Earl Durbin III.
1996. Human impact on mammalian biodiversity of public lands in the United States. Katie M. McGrath.
1996. Effect of free-ranging domestic cats on small mammals. Chris A. True.
1995. Utilization of tallgrass prairie by pronghorn in winter and spring based on GIS techniques. Arn W. Eccles.
1995. Value of eastern woodrat (*Neotoma floridana*) houses. Kelly S. Conrad.
1994. Avian density, diversity, and species richness in riparian corridors and shelterbelts of east-central Kansas. Terri Ann Abbett.
1994. Secondary succession in two abandoned landfills in east-central Kansas. Wade B.

Fothergill.

1994. The use of nest boxes by rural and suburban eastern screech-owls (*Otus asio*). Charles D. VanGundy.

1993. Mortality, home range, and habitat use of pronghorn fawns within tallgrass prairie of eastern Kansas. Shannon L. Rothchild. **AWARDED THE BOYLAN OUTSTANDING THESIS FOR 1993.**

1993. Ecology and genetics of freshwater mussels in the Neosho and Cottonwood rivers of Eastern Kansas. Bernard E. Sietman.

1992. Factors influencing muskrat (*Ondatra zibethicus*) choice of farm ponds in the Flint Hills. Charles B. Marchbanks.

1992. The distribution of house finch in Kansas and studies of competition between the house finch and the house sparrow in Kansas during winter. Dena K. Podrebarac.

1992. Behavior, home range, and habitat use of pronghorn translocated to tallgrass prairie in east-central Kansas. Bradley D. Simpson.

PAPERS PUBLISHED:

Snyder, M. V., D. M. Post, and E. J. Finck. 2005. The use of total body electrical conductivity (TOBEC) to predict lean and lipid mass in woodrats. *Wildlife Society Bulletin* 33:1009-1017.

Jensen, W. E. and E. J. Finck. 2004. Edge effects on nesting dickcissels (*Spiza americana*) in relation to edge type of remnant tallgrass prairie in Kansas. *American Midland Naturalist* 151:192-199.

Applegate, R. D., B. E. Flock, and E. J. Finck. 2003. Changes in land use in eastern Kansas, 1984-2000. *Transactions of the Kansas Academy of Science* 106:192-197.

Herkert, J. R. D. L. Reinking, D. A. Wiedenfeld, M. Winter, J. L. Zimmerman, W. E. Jensen, E. J. Finck, R. R. Koford, D. H. Wolfe, S. K. Sherrod, M. A. Jenkins, J. Faaborg, and S. K. Robinson. 2003. Effect of prairie fragmentation on the nest success of breeding birds in the Midcontinental United States. *Conservation Biology* 17:587-594.

Ostroff, A. C. and E. J. Finck. 2003. *Spermophilus franklinii*. *Mammalian Species* 724:1-5.

Durbian III, F. E., E. J. Finck, and R. D. Applegate. 1999. Characteristics of Kansas greater-prairie chicken harvest. *Great Plains Research* 9:87-94.

Stapanian, M. A., C. C. Smith, and E. J. Finck. 1999. The response of Kansas winter bird community to weather, photoperiod, and year. *Wilson Bulletin* 111:550-558.

Eccles, A. W., E. J. Finck, and K. E. Sexson. 1994. Pronghorn in tallgrass prairie: status of the Flint Hills herd. *Proc. Pronghorn Antelope Workshop* 16:50-53. Printed in 1996.

Finck, E. J. 1996. The Kansas winter bird feeder survey. *The Kansas School Naturalist* 42(2):12-13

Fox, L. B., and E. J. Finck (editors) 1994. *Proceedings of the Sixteenth Biennial Pronghorn Antelope Workshop*. Kansas Department of Wildlife and Parks. Emporia, KS. 204pp. Printed in 1996.

Rothchild, S. L., and E. J. Finck. 1994. Mortality and bedding site selection of pronghorn fawns in tallgrass prairie. *Proc. Pronghorn Antelope Workshop* 16:104-116. Printed in 1996.

- Kaufman, D. W., G. A. Kaufman, and E. J. Finck. 1995. Temporal variation in abundance of *Peromyscus leucopus* in wooded habitats of eastern Kansas. *American Midland Naturalist* 133:7-17.
- Kaufman, G. A., D. W. Kaufman, D. E. Brillhart, and E. J. Finck. 1995. Effect of topography on the distribution of small mammals on the Konza Prairie Research Natural Area, Kansas. pp. 97-102 in D. C. Hartnett (editor). *Proceedings of the 14th North American Prairie Conference: Prairie Diversity*. Kansas State University. 227 pp.
- Schulenberg, J. H., G. L. Horak, M. D. Schwilling, and E. J. Finck. 1994. Nesting of Henslow's sparrow in Osage County, Kansas. *Kansas Ornithological Society Bulletin* 44:25-28
- Sietman, B. E., W. B. Fothergill, and E. J. Finck. 1994. Effects of haying and old-field succession on small mammals in tallgrass prairie. *American Midland Naturalist* 131:1-8.
- Stapanian, M. A., C. C. Smith, and E. J. Finck. 1994. Population variabilities of bird guilds in Kansas during fall and winter: weekly censuses versus Christmas Bird Counts. *Condor* 96:58-69.
- Finck, E. J. 1993. Effects of fire on animals. *Kansas School Naturalist* 39(2):11-15.
- Kaufman, D. W., G. A. Kaufman, and E. J. Finck. 1993. Small mammals of wooded habitats of the Konza Prairie Research Natural Area, Kansas. *Prairie Naturalist* 25:27-32.
- Vinton, M. C., D. C. Hartnett, E. J. Finck, and J. M. Briggs. 1993. Interactive effects of fire, bison (*Bison*) grazing and plant community composition in tallgrass prairie. *American Midland Naturalist* 129:10-18.
- Podrebarac, D. K., and E. J. Finck. 1991. The winter distribution of the house finch (*Carpodacus mexicanus*) in Kansas. *Kansas Ornithological Society Bulletin* 42:33-36.
- Finck, E. J. 1990. Tallgrass prairie: a lost ecosystem? *The Leader* 11(9):3
- Kaufman, D. W., E. J. Finck, and G. A. Kaufman. 1990. Small mammals and grassland fires. Pp. 46-80. In *Effects of Fire on Tallgrass Prairie Ecosystems* (L. L. Wallace and S. L. Collins, editors.), University of Oklahoma Press, Norman.
- Clark, B. K., D. W. Kaufman, E. J. Finck, and G. A. Kaufman. 1989. Small mammals in tallgrass prairie: patterns associated with grazing and burning. *Prairie Naturalist*. 21:177-184.
- Evans, E. W., J. M. Briggs, E. J. Finck, D. J. Gibson, S. W. James, D. W. Kaufman, and T. R. Seastedt. 1989. Is fire a disturbance in grasslands? Pp. 159-162. In *Proc. Eleventh North American Prairie Conference. Prairie pioneers: Ecology, History and Culture* (T. B. Bragg and J. Stubbendieck editors.). University of Nebraska Printing, Lincoln.
- Kaufman, D. W., G. A. Kaufman, and E. J. Finck. 1989. Rodents and shrews in ungrazed tallgrass prairie manipulated by fire. Pp. 173-178. In *Proc. Eleventh North American Prairie Conference. Prairie pioneers: Ecology, History and Culture* (T. B. Bragg and J. Stubbendieck editors.) University of Nebraska Printing, Lincoln.
- Zimmerman, J. L., and E. J. Finck. 1989. Philopatry and correlates of territory fidelity in male dickcissels. *North American Bird Bander* 14:83-85.
- Clark, B. K., D. W. Kaufman, G. A. Kaufman, E. J. Finck, and S. S. Hand. 1988. Long distance movements by *Reithrodontomys megalotis* in tallgrass prairie. *American Midland Naturalist* 120:276-281.
- Clark, B. K., D. W. Kaufman, G. A. Kaufman, and E. J. Finck. 1987. Use of tallgrass prairie by

Peromyscus leucopus. *Journal of Mammalogy* 68:158-160.

Finck, E. J. 1986. Birds wintering on the Konza Prairie Research Natural Area. Pp. 91-94. *In Proc. Ninth North American Prairie Conference* (G. K. Clambey and R. H. Pemble, eds.), Tri-College University Center for Environmental Studies, North Dakota State University, Fargo.

Finck, E. J., D. W. Kaufman, G. A. Kaufman, S. K. Gurtz, B. K. Clark, L. J. McLellan, and B. S. Clark. 1986. Mammals of the Konza Prairie Research Natural Area, Kansas. *Prairie Naturalist* 18:153-166.

Finck, E. J. 1984. Observations at a northern harrier nest. *Kansas Ornithological Society Bulletin* 35:24.

Finck, E. J. 1984. Male dickcissel behavior in primary and secondary habitats. *Wilson Bulletin* 96:672-680.

Kaufman, D. W., G. A. Kaufman, and E. J. Finck. 1983. Effects of fire on rodents in tallgrass prairie of the Flint Hills region of eastern Kansas. *Prairie Naturalist* 15:49-56.

Zimmerman, J. L., and E. J. Finck. 1983. Success in a secondary habitat: the dickcissel in the tallgrass prairie. Pp. 47-49. *In Proc. Eighth North American Prairie Conference* (R. Brewer, ed.). Western University, Kalamazoo, Michigan.

Finck, E. J. 1982. Hail damage to breeding birds and their nests on the Konza Prairie Research Natural Area. *Kansas Ornithological Society Bulletin* 33:29-30.

PAPERS IN REVISION:

Ganey, D. T., and E. J. Finck. Diet of pronghorn in tallgrass prairie. *Journal of Mammalogy*.

Snyder, M. V., D. M. Post, E. J. Finck, and D. K. Saunders. Seasonal variation in hematological values of two species of woodrat: *Neotoma floridana* and *Neotoma micropus*. *Functional Ecology*.

PAPERS IN REVIEW:

Flock, B. E, R. D. Applegate, and E. J. Finck. Landscape ecology of greater prairie-chicken leks in Kansas. PEER REVIEW.

BOOK REVIEWS:

Krebs, J. R., and N. B. Davies. 1987. An introduction to behavioral ecology. 2nd ed. Sinecure Associates, Inc. Sunderland, MA. 380 p. *In The American Biology Teacher* 50:59. 1988.

Power, D. M. (ed.). 1989. Current ornithology. Volume 6. Plenum Press, New York, xii + 332 p. *In Ecology* 71:416-417. 1990.

Thompson, M. C., and C. Ely. 1990. Birds in Kansas, Volume 1, University of Kansas Museum of Natural History, Lawrence, 404 p. *In Prairie Naturalist* 22:223-224. 1990.

Reichman, O. J. 1987. Konza Prairie: a tallgrass natural history. University of Kansas Press, Lawrence, 248 p. *In The Great Plains Newsletter* 13:2-3. 1992.

Zimmerman, J. L. The birds of Konza: the avian ecology of the tallgrass prairie. University of Kansas Press, Lawrence, 186 p. *In Journal of Wildlife Management* 58:591-592. 1994.

SEMINARS PRESENTED: (Past Five Years)

INVITED SEMINARS: Seminars with an * were presented by the listed graduate student under my supervision.

February 2006 * - Grazing effects on ground-nesting birds in the Red Hills of south-central Kansas by Amy D. Zavala*, Elmer J. Finck, and Karen R. Hickman. Cattlemen's Coffee Shop sponsored by Comanche Pool Prairie Resource Foundation, Wilmore, KS.

March 2004 - Pronghorn reintroduction into tallgrass prairie of eastern Kansas, Division of Biology. Kansas State University, Manhattan, KS.

March 2003 - Reintroduction of pronghorn into tallgrass prairie, Department of Biology, Wichita State University, Wichita, KS.

April 2001 – Pronghorn in tallgrass prairie – Department of Biological Sciences, Fort Hays State University, Hays, KS.

April 2000 - Pronghorn in tallgrass prairie - Flint Hills Audubon Manhattan, KS

November 2000 - Ecology of grassland birds - Department of Biological Sciences, Emporia State University, Emporia, KS.

OTHER SEMINARS: Seminars with an * were presented by the listed graduate student under my supervision.

April 2006 * - Identification and characterization of the contact zone of two short-tailed shrews (*Blarina*) in southern Iowa and northern Missouri by Cody Thompson*, Elmer J. Finck, Jerry R. Choate, and Hugh H. Genoways. Kansas Academy of Science, Wichita State University, Wichita, KS.

February 2006 * - Grazing effects on ground-nesting birds in the Red Hills of south-central Kansas by Amy D. Zavala*, Elmer J. Finck, and Karen R. Hickman. Kansas Chapter of The Wildlife Society, FHSU, Hays, KS. **AWARDED OUTSTANDING MS PRESENTATION.**

February 2006 * - A survey of the recent accounts of the eastern spotted skunk (*Spilogale putorius*) in Kansas by Shannan K. Nilz, and Elmer J. Finck. Kansas Chapter of The Wildlife Society. Fort Hays State University, KS.

February 2006 * - Identification and characterization of the contact zone of two short-tailed shrews (*Blarina*) in southern Iowa and northern Missouri by Cody Thompson*, Elmer J. Finck, Jerry R. Choate, and Hugh H. Genoways. Kansas Chapter of The Wildlife Society, Fort Hays State University, Hays, KS.

February 2006 * - Grassland bird response to grassed strips in agricultural fields by Benjamin D. Wheeler*, Elmer J. Finck and Randy Rodgers. Kansas Chapter of The Wildlife Society. FHSU, Hays, KS.

October 2005 * - Conservation status of the eastern spotted skunk (*Spilogale putorius*) in Kansas by Shannan K. Nilz, and Elmer J. Finck. Central Plains Society of Mammalogists, Truman State University, Kirksville, MO. **BEST MS STUDENT PRESENTATION.**

October 2005 * Identification and characterization of the contact zone between two short-tailed shrews (*Blarina*) in southern Iowa and northern Missouri by Cody Thompson*, Elmer J. Finck, Jerry R. Choate, and Hugh H. Genoways. Central Plains Society of Mammalogists, Truman State University, Kirksville, MO. **2005 STUDENT RESEARCH AWARD IN MAMMALOGY.**

- October 2005 * - Grazing Effects on Ground-nesting Birds in the Red Hills of South-central Kansas by Amy D. Zavala*, Elmer J. Finck, and Karen R. Hickman. Kansas Ornithological Society (KOS), Great Plains Nature Center, Wichita, KS.
- October 2005 * - Grazing effect on ground-nesting birds in south-central Kansas by Amy D. Zavala. Kansas Ornithological Society Meeting, Wichita, KS.
- March 2005 - Effects of rotational vs. continuous grazing on ground nesting birds in the Red Hills of Kansas. Kansas Chapter of The Wildlife Society, Emporia State University, Emporia, KS.
- March 2005 * - Grazing effect on ground-nesting birds in south-central Kansas by Amy D. Zavala. Kansas Academy of Science Meeting at Johnson County Community College, Overland Park, KS.
DANHER AWARD.
- April 2005 * - Grazing effect on ground-nesting birds in south-central Kansas by Amy D. Zavala. The Southwestern Association of Naturalist Meeting at Sam Houston State University, Huntsville, TX.
- April 2005 * - Grazing effect on ground-nesting birds in the Red Hill of south-central Kansas by Amy D. Zavala, Biology Forum, Fort Hays State University, Hays, KS.
- April 2005 * - Conservation status of eastern spotted skunk in Kansas by Shannan K. Nilz. Biology Forum, Fort Hays State University, Hays, KS.
- October 2004 * - Effects of rotational vs. continuous grazing on ground nesting birds in the Red Hills of Kansas by Amy D. Zavala. Kansas Ornithological Society Meeting, Baker University, Baldwin City, KS.
- June 2001 – Body fat in eastern woodrats (*Neotoma floridana*). American Society of Mammalogists Meeting, Missoula, MT.
- June 2000 * - Hematological values of over-wintering eastern woodrats (*Neotoma floridana*) by Michael V. Snyder. American Society of Mammalogists Meeting, Durham, NH.
- October 2000 * - Habitat use of fox squirrel in eastern Kansas by Jackie DeSanty. Central Plains Society of Mammalogists Meeting, Emporia, KS.
- October 2000 * - Potential swamp rabbit habitat in southeastern Kansas by Jackie DeSanty. Central Plains Society of Mammalogists Meeting, Emporia, KS.
- October 2000 * - Determining habitat characteristics of river otter in eastern Kansas: in progress by Andrea C. Ostroff. Central Plains Society of Mammalogists Meeting, Emporia, KS.
- October 2000 * - Seasonal changes in hematological values of eastern woodrats (*Neotoma floridana*) by Michael V. Snyder. Central Plains Society of Mammalogists Meeting, Emporia, KS.
- December 2000 - Factors affecting habitat use by the fox squirrel in eastern Kansas by Jackie DeSanty. 62nd Midwest Fish and Wildlife Conference, Minneapolis, MN.
- December 2000 * - Habitat characteristics of river otter in eastern Kansas by Andrea C. Ostroff. 62nd Midwest Fish and Wildlife Conference, Minneapolis, MN.

PROFESSIONAL SOCIETIES:

American Ornithologists' Union
 American Society of Mammalogists
 American Society of Naturalists
 Animal Behavior Society
 Association of Field Ornithologists
 Cooper's Ornithological Union
 Ecological Society of American
 International Behavioral Ecology Society
 Kansas Ornithological Society
 National Wildlife Federation
 Natural Areas Association
 North Dakota Natural Science Society
 Society for Conservation Biologists
 Southwestern Association of Naturalists
 The Nature Conservancy
 The Wildlife Society
 Wilson Ornithological Society

GRANTS:

The Nature Conservancy. ASSESSING AND PROJECTING BLACK TAILED PRAIRIE DOG (*Cynomys ludovicianus*) POPULATION DENSITIES AND EFFECTS ON THE ECOSYSTEM - \$24,500.

Sunflower Electric Power Corporation. BIOLOGICAL SURVEY OF THE HOLCOMB LANDFILL EXPANSION - \$22,248 with Travis Taggart.

Pheasant's Forever. EFFECTS OF GRASSY TERRACES ON GROUND NESTING BIRDS - \$500. 2005.

Fort Hays State University Graduate School. SYMPATRY BETWEEN TWO SPECIES OF SHORT-TAILED SHREWS (*Blarina*) - \$1095. 2005.

Kansas Department of Wildlife and Parks funded. EFFECTS OF INVASIVE PLANTS AND MANAGEMENT TREATMENT ON GRASSLAND NESTING BIRDS - \$43,600. 2004-2006.

Kansas Department of Wildlife and Parks. CONSERVATION PLAN FOR EASTERN SPOTTED SKUNK (*Spilogale putorius*) - \$55,787. 2005 -2007.

Kansas Department of Wildlife and Parks funded. MONITORING THE EFFECTS OF GRAZING SYSTEMS ON ABUNDANCE AND NESTING SUCCESS OF SEVERAL GRASSLAND BIRD SPECIES - \$3000. With Karen Hickman and Greg Farley. 2003.

NSF Research Experience for Undergraduates (REU). ECOLOGY OF THE TALLGRASS PRAIRIE - \$260,530. 2000-2002. Participating Senior Faculty.

Western Resources. REINTRODUCTION OF GOLDEN EAGLES TO CENTRAL KANSAS - \$71,250. 1999-2003.

Wolf Creek Nuclear Operating Corporation. INTERACTION BETWEEN ANGLERS AND BALD EAGLES AT THE COOLING LAKE FOR WOLF CREEK GENERATING STATION - \$2000. 1999.

- Kansas Department of Wildlife and Parks. HUMAN DIMENSIONS RELATIVE TO PRONGHORN IN WESTERN KANSAS. \$6300. 1998-1999.
- Kansas Department of Wildlife and Parks. ANALYSIS OF THE WINTER BIRD FEEDER SURVEY - \$5300 in 1991-1999.
- Kansas Department of Wildlife and Parks. FACTORS AFFECTING ABUNDANCE AND DISTRIBUTION OF RIVER OTTER (*LONTRA CANADENSIS*) IN EASTERN KANSAS - \$4000. 1999-2000.
- Kansas Department of Wildlife and Parks. LAND USE PATTERNS Kansas Department of Wildlife and Parks. DIET OF AND THEIR EFFECT ON GREATER PRAIRIE CHICKEN IN THE FLINT HILLS OF KANSAS - \$24,608. 1999-2001.
- ESU Research and Creativity. FACTORS AFFECTING ABUNDANCE AND DISTRIBUTION OF RIVER OTTER (*LONTRA CANADENSIS*) IN EASTERN KANSAS - \$6,000. 1999-2000.
- PRONGHORN IN TALLGRASS PRAIRIE OF EASTERN KANSAS. \$6900. 1996-1997.
- Faculty Research and Creativity Committee Emporia State University. THE NINE-BANDED ARMADILLO (*Dasypus novemcinctus*): THERMOREGULATION, ACTIVITY PATTERNS AND RANGE. \$7680. 1996.
- State of Nebraska Game and Parks Commission. INVENTORY OF BALD EAGLES WINTERING WITHIN THE REPUBLICAN RIVER WATERSHED OF NEBRASKA. \$40,500. 1995-1998.
- Faculty Research and Creativity Committee Emporia State University. BEAVER IN EASTERN KANSAS: RESPONSES TO WATER FLUCTUATIONS AND SIMULATED PREDATION - \$7680. 1995.
- Western Resources. USE OF NEST BOXES BY BARN OWLS (*Tyto alba*) IN EAST-CENTRAL KANSAS - \$7000. 1994.
- Faculty Research and Creativity Committee Emporia State University. EFFECTS OF LANDSCAPE PATTERNS ON BROOD PARASITISM IN GRASSLAND BIRD COMMUNITIES - \$7500. 1993.
- Safari Club Wichita and Kansas City Chapters. REINTRODUCTION OF PRONGHORN (*Antilocapra americana*) TO THE TALLGRASS PRAIRIE OF EASTERN KANSAS - \$7000 in 1991 and \$7000 in 1992.
- Kansas Department of Wildlife and Parks. ECOLOGY, POPULATION DYNAMICS, AND GENETICS OF FRESHWATER MUSSELS (UNIONIDAE) IN THE NEOSHO RIVER - \$3170. With Bernie Sietman (Graduate Student). 1992.
- Faculty Research and Creativity Committee Emporia State University. INVESTIGATIONS INTO A REINTRODUCED HERD OF PRONGHORN IN THE FLINT HILLS OF KANSAS - \$8083. 1991.
- Kansas Department of Wildlife and Parks. ANALYSIS OF THE WINTER BIRD FEEDER SURVEY - \$3100 in 1991-1996. With Dena Podrebarac, Jill M. Gregory, Katie McGrath, David Ganey, and Cindy Moore (Graduate Students).
- Subcontract for NSF funded LTER to Kansas State University. BIRD POPULATIONS IN THE TALLGRASS PRAIRIE DURING THE BREEDING SEASON. Summer of 1990. \$3050.

Frank M. Chapman Memorial Fund. STABILIZING SELECTION FOR BODY SIZE IN THE DICKCISSEL. Summer of 1980. \$500.

Frank M. Chapman Memorial Fund. SOCIAL ORGANIZATION OF THE LARK BUNTING (*Calamospiza melanocorys*). Summer of 1979. \$500.

SERVICE TO THE SCIENTIFIC COMMUNITY:

Prairie Naturalist - Editor. June 1995 to present.

American Society of Mammalogists - Abstractor of the Journal of Wildlife Management 1983-1985, Ad Hoc Committee on Management of Nongame Mammals 1985-1986, Program Committee 1988-1990, Local Committee 71st Annual Meeting at Kansas State University 1990-1991, Business Manager for the Mammal Slide Library 1991 to present, Member of the Board 2006-2008.

Kansas Chapter of the Wildlife Society President 1999-2001.
Hosted meeting for Central Mountain and Plains Section of The Wildlife Society. 1999.

President-elect Central States Society of Mammalogists 1999-2001. President Central State Society of Mammalogists 2001-2003. Past-president Central State Society of Mammalogists 2003-2005. October 2004 - Co-hosted the Central Plains Society of Mammalogist meeting with Drs. Jerry Choate and Rob Channell, Fort Hays State University, Hays, KS

Vice president Emporia State Chapter of Sigma Xi 1999-2001.
President-elect Fort Hays State University Chapter of sigma Xi 2003-2004.

Southwestern Association of Naturalists - Associate Editor for birds 1994 to 1996. Co-Chairman of Local Committee 1994.

Co-Chairman of 16 Biennial Pronghorn Antelope Workshop. 1994. Emporia State University, Emporia, KS.

Kansas Ornithological Society Newsletter - Editor 1983- 1986, Vice-President 1984-1986, President 1986-1988. Hosted the 1992 meeting.

Save the Cheyenne Bottoms Task Force, 1984-1992.

Co-coordinator of the Kansas Wildlife Heritage Month for 1988.

Kansas Nongame Wildlife Advisory Council to the Kansas Department of Wildlife and Parks, 1986 to present. Chairman 1988-1993, Secretary Treasurer 1993-1998. Active to 1998 to present.

Kansas Natural and Scientific Areas Advisory Board to the Kansas Biological Survey 1988 to present.

Reviewer - Ninth North American Prairie Conference, The Prairie Naturalist, Wisconsin Pine Marten Recovery Plan (Wisconsin Department of Natural Resource), The Wildlife Society Bulletin, Journal of Wildlife Management, Journal of Mammalogy, Transaction of the Kansas Academy of Sciences, Animal Behaviour, The Southwest Naturalist, American Midland Naturalist, Landscape Ecology, Ecology, Ecological Applications, Journal of Mammalogy, Hydrobiologia, and USDA and NSF Proposals.

Chairman and Organizer for Kansas Grassland, a symposium at the 1991 Kansas Academy of

Science Meeting.

Board of Advisors for The Wichita State University Ninnescah Experimental Tract. 1989 to present.

Board of Advisors for the Emporia State University Natural Area. 2001.

Board of Editorial Advisors for the Great Plains Research a Journal of Natural and Social Sciences. 1993 to present.

Adjunct Professor Kansas State University. 1989 to present.

Kansas Task Force on Threatened and Endangered Species. 1996.

Kansas Task Force on Conservation Plan for the Black-tailed Prairie Dog. 2000-2001.

REFERENCES AVAILABLE:

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