

CURRICULUM VITAE

JENNIFER K. FREY

BORN: 22 June 1964

MARRIED: 8 August 1997 to Timothy C. Frey

PRESENT ADDRESSES:

Department of Fish, Wildlife, and Conservation Ecology
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DEGREES:

Ph.D., Biology. University of New Mexico, Albuquerque, New Mexico. Major professor: Terry L. Yates. Dissertation title: Testing among modes of allopatric speciation: a hypothetico-deductive approach. 1994.

M.S., Biology. Emporia State University, Emporia, Kansas. Major professor: Dwight W. Moore. Thesis title: Morphologic variation in the Mexican vole (*Microtus mexicanus*). 1989.

B.S., Biology (emphasis in Zoology). Emporia State University, Emporia, Kansas. 1986.

WILDLIFE CONSULTING COMPANY

Owner, Frey Biological Research. Radium Springs, New Mexico. 2002-present.

FACULTY POSITIONS:

College Professor and Member of the Graduate Faculty. Department of Fish, Wildlife and Conservation Ecology (FWCE), New Mexico State University (NMSU). 2016 – present.

College Associate Professor and Member of the Graduate Faculty. FWCE, NMSU. 2008 – 2016.

College Assistant Professor and Member of the Graduate Faculty. FWCE, MMSU. August 2002 – 2008.

Assistant Professor. Department of Biology, Eastern New Mexico University (ENMU). 1998-2002.

Research Assistant Professor. Department of Biology, University of New Mexico (UNM). 1995-1998.

Postdoctoral Research Associate. Department of Biology, UNM. 1994-1995.

MUSEUM AND CURATORIAL POSITIONS:

- Curator.** Wildlife Museum, Department of Fish, Wildlife & Conservation Ecology, NMSU. 2014 - present.
- Acting Curator.** Wildlife Museum, Department of Fishery and Wildlife Sciences, NMSU. September 2003 - 2013.
- Adjunct Curator of Mammals.** The Vertebrate Museum, Department of Biology, NMSU. 2003 – present.
- Committee Member.** Center for Natural History Collections, New Mexico State University. 2008-Present
- Research Associate.** Mammal Division, Museum of Southwestern Biology (MSB), University of New Mexico. Present
- Executive Committee Member.** Center for Natural History Collections, New Mexico State University. 2006-2008
- Director.** Eastern New Mexico University Natural History Museum (ENMUNHM). 1998-2002
- Curator of Mammals, Birds, and Frozen Tissue.** ENMUNHM. 1998-2002
- Board of Trustees,** New Mexico Museum of Natural History and Science. 2000-2002
- Curatorial Associate.** Mammal Division, MSB, UNM. 1994-1998.
- Collection Assistant.** Frozen Tissues & Biological Materials, MSB. 1990-1994.
- Curatorial Assistant.** Mammal Division, MSB. 1989-1994.
- Curatorial Assistant.** Schmidt Museum of Natural History, Emporia State University. 1985-1989

PRE-DOCTORAL PROFESSIONAL POSITIONS:

- Allozyme Electrophoresis Laboratory Supervisor.** UNM. 1991-1994.
- DNA and Karyology Laboratory Supervisor.** UNM. 1990, 1992-1994.
- Research Assistant.** UNM. mtDNA and allozyme variation in the Mexican vole (*Microtus mexicanus*). 1992-1994.
- Research Assistantships for Minority High School Students Program Assistant.** MSB. Assisted directing student research projects and teaching high school students and teachers. 1993.
- Computer Lab Coordinator.** Biology Department. UNM. 1993.
- Research Assistant.** UNM. mtDNA and allozyme variation among migratory races of sandhill crane (*Grus canadensis*). 1990-1991.
- Parasitologist.** Sevilleta Long-term Ecological Research Site, UNM. 1989.
- Fisheries Aid.** Kansas Department of Wildlife and Parks, Emporia, Kansas. 1988.
- Research Assistant.** Emporia State University. Karyotypic relationships among populations of short-tailed shrews (*Blarina*). 1987.
- Undergraduate Research Assistant.** Emporia State University. Predator avoidance in *Diaptomus* (Crustacea: Copepoda). 1985-1986.

GRADUATE STUDENTS:

- Ms. Beth Bonham. Master's in Environmental Education. Eastern New Mexico University. May 2000.
- Mr. Andrew Hope. Master's thesis title: Island biogeography: Focal species models and their implications for system level relationships. Eastern New Mexico University. May 2002.
- Mr. Jason Malaney. Master's thesis title: Distribution, habitat characteristics, and population demographics of snowshoe hare (*Lepus americanus*) at the extreme southern edge of its geographic range. Eastern New Mexico University. December 2003.
- Ms. Christina Wampler. Master's thesis title: Effects of fuels reduction treatments on mammals in a southwestern mixed coniferous forest. (collaboratively with Jon Boren). New Mexico State University. May 2007.
- Mr. Gerrad Jones. Master's thesis title: Mammals of Padre Island National Seashore, Texas. New Mexico State University. May 2008.
- Mr. Alfredo Montoya. Master's research project topic: Morphologic variation in the gray-footed chipmunk (*Tamias canipes*). New Mexico State University. May 2009.
- Mr. Martin Moses. Master's thesis title: Elevated surface temperature negatively affects survival of banner-tailed kangaroo rats in the Chihuahuan Desert. (co-advised with Gary Roemer). May 2010.
- Mr. Greg Wright. Master's thesis title: Multiple scale habitat selection by a small mammal habitat specialist (*Zapus hudsonius luteus*) in a managed floodplain landscape. May 2012.
- Mr. Andrew Passarelli. Master's thesis title: Effect of forest insect outbreak on the red squirrel (*Tamiasciurus hudsonicus*) in the Sacramento Mountains, New Mexico. December 2012.
- Mr. Brian A. Small. Master's research project topic: Identification of Limiting Factors for the Restoration of Beavers in Northern New Mexico. New Mexico State University. August 2015.
- Mr. Ian Perkins-Taylor. Master's thesis topic: Occupancy modeling of the Oscura Mountains chipmunk (*Tamias quadrivittatus oscuraensis*). Expected Summer 2017.
- Mr. Reza Goljani. Master's thesis topic: Development of a GIS risk map for depredations on livestock by Mexican wolf. Expected Fall 2017.

GRADUATE COMMITTEES:

- Stanley Fields. Master's thesis title: Ability of western diamondback rattlesnake (*Crotalus atrox*) and prairie rattlesnake (*Crotalus viridis viridis*) to discern the presence of a potential predator based on chemical cues. ENMU. December 2001
- Timothy Frey. Non-thesis Master's: Applied Ecology. ENMU. May 2002
- Verity Mathis. Master's thesis title: Conservation genetics of banner-tailed kangaroo rats (*Dipodomys spectabilis*): a molecular ecology perspective. New Mexico State University. Summer 2006.
- Arlys Finch. Master's thesis topic. Sequencing of Star protein in the endangered Pecos gambusia. Eastern New Mexico University. December 2006.

GRADUATE COMMITTEES (continued):

- Michael Calkins. Master's thesis title: Development of conservation priority models for the American Pika (*Ochotona princeps*): Implications for conservation. New Mexico State University. May 2010.
- Katie Smith. Response of the endangered salt marsh harvest mouse (*Reithrodontomys raviventris*) to tides. Department of Biology, New Mexico State University. May 2012
- Darin A. Kopp. An analysis of factors influencing spatial concordance between ecosystem services and biodiversity. Department of Fish, Wildlife and Conservation Ecology, NMSU. December 2013.
- Dana Sanders. Boldness and natal dispersal in the brush mouse (*Peromyscus boylii*). Department of Biology, New Mexico State University. May 2014
- Liberty Hightower. Non-thesis masters. Department of Biology, New Mexico State University. May 2014
- Nathan Dylan Burruss. The environmental constraints of Rüppell's (*Vulpes rueppellii*), pale (*V. pallida*), and fennec foxes (*V. zerda*), and golden jackals (*Canis aureus*) within the Termit & Tin Toumma Nature Reserve and Cultural Reserve and an analysis of pale fox food habits. Department of Fish, Wildlife and Conservation Ecology, NMSU. May 2014.
- Randell W. Seeley. Characterization of vegetation and small mammal communities in Chihuahuan Desert grasslands. Department of Range and Animal Science, New Mexico State University. December 2014.
- Eboni S. Duke. Burrowing owl ecology during the post fledging period in an urban and agricultural interface of southern New Mexico. Department of Fish, Wildlife and Conservation Ecology, NMSU. December 2014.
- Sabrina Deeley. Distribution of resources for nectar-feeding bats (*Leptonycteris*) in southwestern New Mexico (non-thesis). Department of Fish, Wildlife and Conservation Ecology, NMSU. May 2016.
- Chris Coxen. Evaluating the performance of satellite tracked and citizen science derived species distribution models to inform the conservation of band-tailed pigeons (*Patagioenas fasciata*). Department of Fish, Wildlife and Conservation Ecology, NMSU. May 2017.
- Rachel Burke. Distribution and niche partitioning of *Leptonycteris* bats. Department of Fish, Wildlife and Conservation Ecology, NMSU. Current.
- Susan Bard. Influence of natural and anthropogenic disturbances on multi-scale black bear (*Ursus americanus*) habitat selection in the Jemez Mountains, New Mexico. Department of Fish, Wildlife and Conservation Ecology, NMSU. Current
- David Stricklan. Differential distribution patterns and germination rates of zoochorous dispersed one-seed juniper (*Juniperus monosperma*) seeds. Department of Range and Animal Science, New Mexico State University. Current
- Scarlet Sellers. Diet of long-nosed bats (*Leptonycteris*) in New Mexico. Department of Fish, Wildlife and Conservation Ecology, NMSU. Current

UNDERGRADUATE SENIOR HONORS THESIS STUDENT

- Mr. Jeremy Lewis. Distribution and habitat modeling of the white-nosed coati (*Nasua narica*) in New Mexico. Howard Hughes Medical Institute, Undergraduate Research Scholars Program, New Mexico State University. December 2010.

CAREER STUDENT MENTORING:

Educational Coordinator. New Mexico-Puerto Rico Natural Resource Career Track Program, New Mexico State University. 2012-2013

TEACHING EXPERIENCE:

New Mexico State University

Undergraduate:

- Introduction to Natural Resources Management; a distance education course (often taught concurrently on NMSU main and branch campuses; Spring 2003-Fall 2004, Fall 2005- 2015)
- Contemporary Issues in Wildlife and Natural Resources Management (Fall 2016)
- Ecology and Management of Southwest Ecosystems (Summer 2012)
- Principles of Fish and Wildlife Management (Spring 2011, 2013-2017)
- Wildlife Ecology (Fall 2011)
- Museum Methods (Spring 2006)
- Undergraduate Problems

Graduate/Undergraduate:

- Systems Ecology in Wildlife Management and Laboratory (Fall 2002)
- Advanced Techniques for the Study of Mammalian Diversity (Spring 2004)
- Nongame Wildlife Conservation and Management (Spring 2004)
- Wildlife Damage Management (Spring 2011-2017)
- The Natural History Museum in Modern Society (Spring 2014)
- Wildlife Museum Internship (Fall 2014, Spring/Fall 2016)
- Independent Studies (Graduate Problems, Non-thesis Project, Master's thesis)

Eastern New Mexico University (exclusive of special problems, thesis, etc)

Undergraduate:

- Wildlife Biology (Fall 1998, Spring 1999)
- Introduction to Wildlife and Fisheries Science (each semester 1999-2002)
- Vertebrate Zoology/Vertebrate Zoology Laboratory (Spring 2002)

Graduate/Undergraduate:

- Mammalogy/Mammalogy Laboratory (annual 1998-2001)
- Ornithology/Ornithology Laboratory (annual 1999-2002)
- Wildlife Management/ Wildlife Management Laboratory (annual 1998-2001)

Graduate:

- Biogeography (Spring 1999, Fall 2000)
- Conservation Biology (Fall 1999, 2001)
- Biological Literature (Fall 2001)

University of New Mexico (exclusive of special problems, thesis, etc)

- Mammalogy, lecturer and laboratory assistant
- General Biology Laboratory, instructor
- Biology for Health Related Sciences Laboratory, instructor

Emporia State University

- Ornithology, teaching and laboratory assistant
- General Biology Laboratory, instructor
- Field and Lab Biology, teaching and laboratory assistant

CURRENT UNIVERSITY SERVICE

- College of Agriculture and Home Economics, Distance Education Committee
- College of Agriculture and Home Economics, Assessment Liason
- Dept. Fish, Wildlife, Conservation Ecology, Curriculum Committee
- Dept. Fish, Wildlife, Conservation Ecology, Assessment Committee
- Dept. Fish, Wildlife, Conservation Ecology, Curator of Wildlife Museum
- University-wide, Advocates for Scholarly Teaching Committee

PRIOR UNIVERSITY SERVICE (Partial Listing):

- Dept. Fish, Wildlife, Conservation Ecology, Museum Committee, NMSU 2008-2013
- Dept. Fishery & Wildlife Sciences, Graduate Committee, NMSU
- Dept. Fishery & Wildlife Sciences, Freshman advisor, NMSU
- NMSU, Center for Natural History Collections, Executive Committee
- Director of the Natural History Museum, ENMU
- Revised Wildlife and Fishery undergraduate curriculum, ENMU
- Developed graduate program in Applied Ecology, ENMU
- Faculty advisor to pre-professional Fish and Wildlife Club, ENMU
- Numerous faculty search committees, ENMU
- President - Biology Graduate Student Association, UNM.
- Graduate Policy Committee, Department of Biology, UNM.
- Graduate Research Allocations Committee, Dept. Biology, UNM.

CURRENT PROFESSIONAL SERVICE:

- Middle Rio Grande Project, subject matter experts group for New Mexico meadow jumping mouse
- Conservation Committee, Southwestern Association of Naturalists
- Riparian Rodent Advisory Committee, New Mexico Department of Game and Fish
- Peer Reviewer for: National Science Foundation, Journal of Mammalogy, Diversity and Distributions, Journal of Biogeography, Forest Ecology & Management, Global Change Biology, Canadian Journal of Zoology, Ecological Applications, Southwestern Naturalist, Western North American Naturalist; Canadian Field Naturalist; Comparative Medicine;

PRIOR PROFESSIONAL SERVICE (Partial Listing):

- Associate Editor, *The Southwestern Naturalist*
- New Mexico Chapter of The Wildlife Society; Local Committee for 2015 meeting
- Share With Wildlife Task Force, New Mexico Department of Game and Fish
- Board of Directors, New Mexico Chapter of the Wildlife Society
- Scientific advisor groups: NM Bat Working Group; NM River Otter; NM Beaver
- Forest Service Region 3 Mammal Sensitive Species Experts Group
- Board of Trustees, New Mexico Museum of Natural History and Science.
- IUCN, Species Survival Commission, Rodent Specialist Group for North America.
- Board of Directors, Southwestern Association of Naturalists.
- Chair, Conservation Committee, Southwestern Association of Naturalists.
- Resolutions Committee, American Society of Mammalogists.
- Education and Graduate Student Committee, American Society of Mammalogists.
- Committee on Women and Minority Issues, American Society of Mammalogists.
- Secretary - Zoology Section, Southwestern and Rocky Mountain Division, AAAS.

PROFESSIONAL SOCIETY AFFILIATIONS:

- American Society of Mammalogists
- International Biogeography Society
- The Wildlife Society
 - Southwest Section
 - New Mexico Chapter
- Southwestern Association of Naturalists
 - Conservation Committee
 - Associate Editor, *The Southwestern Naturalist*

HONORS AND AWARDS:

Faculty Merit Award. For excellence in teaching, scholarship and service. Eastern New Mexico University. 2001

James H. Nakano Citation Award. For the outstanding scientific paper published in 1994. National Center for Infectious Diseases and Centers for Disease Control and Prevention, 1995.

Albert R. and Alma E. Shadle Fellowship in Mammalogy. The highest annual award given to a single graduate student or recent PhD graduate who has demonstrated a productive and important role in professional mammalogy. American Society of Mammalogists and the Buffalo Foundation, 1992.

University of New Mexico Graduate Achievement Award. Award presented to the two most outstanding graduate students at the University of New Mexico, 1991.

Robert I. Larus Award. For the outstanding student paper presented in 1990. American Association for the Advancement of Science, 1990.

Outstanding Presentation Award. For an outstanding graduate student research paper competition. Southwestern and Rocky Mountain Division, American Association for the Advancement of Science, 1988.

Emporia State University Graduate Achievement Award. Award presented to the outstanding graduate student at Emporia State University, 1987, 1988.

GRANTS AND CONTRACTS (Total = \$ 2,314,620⁰⁰):

- \$ 61,925 - White Sands Missile Range. Oscura Mountain chipmunk monitoring. 2016
- \$ 19,772 – New Mexico Department of Game and Fish. Survey for the Penasco least chipmunk (*Tamias minimus atristriatus*). 2015
- \$ 62,125 – White Sands Missile Range. Oscura Mountain chipmunk monitoring. 2015
- \$ 7,500 - White Sands Missile Range. Survey for meadow jumping mouse (*Zapus hudsonius luteus*). 2015
- \$ 59,562 – White Sands Missile Range. Oscura Mountain chipmunk monitoring. 2014
- \$ 50,500 – White Sands Missile Range. Survey for meadow jumping mouse (*Zapus hudsonius luteus*). 2014
- \$ 6,246 – Marron and Associates. Survey for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) at Coyote Creek, Mora County, New Mexico. 2014
- \$ 4,000 – The Nature Conservancy. Evaluation of flow-ecology relationships for mammals in the Gila River. 2013-2014.
- \$ 10,412 – Bureau of Land Management. Survey for meadow jumping mouse (*Zapus hudsonius luteus*) on the Sacramento River. 2013
- \$ 6,450 – New Mexico Department of Game and Fish. Draft survey protocol for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*). 2012-2013
- \$ 19,688 – Evaluation of meadow jumping mouse habitat on Middle Rio Grande. Bureau of Reclamation. 2012-2013
- \$ 4,803 – Marron and Associates. Survey for the New Mexico meadow jumping mouse (*Zapus hudsonius luteus*) at Coyote Creek, Mora County, New Mexico. 2012
- \$ 15,000 – Carson National Forest. New Mexico meadow jumping mouse surveys. 2011
- \$ 11,000 – New Mexico Department of Game and Fish, Share with Wildlife. Development of a habitat suitability model for the Organ Mountain chipmunk & jumping mouse survey of Casa Colorado WMA. 2011
- \$ 14,000 – New Mexico Department of Game and Fish, Share with Wildlife. Development of non-invasive monitoring protocols for the Organ Mountain chipmunk. 2010
- \$19,924 – U.S. Fish and Wildlife Service. Using pocket gophers to enhance habitat for the endangered Sacramento prickly poppy. 2010.
- \$ 4,000 – Review of ecosystem services of the American beaver. WildEarth Guardians. 2010.
- \$ 4,999 – Colorado Division of Wildlife. New Mexican meadow jumping mouse survey. 2010
- \$ 38,880 – San Juan Public Lands. New Mexican meadow jumping mouse survey. 2009-2010
- \$ 25,571 – New Mexico Department of Game and Fish, Share with Wildlife. Cool season activity of the meadow jumping mouse in the Middle Rio Grande (with G. Wright). 2009-2011
- \$ 22,647 – Carson National Forest. Abert’s squirrel monitoring, 2009. 2009
- \$ 25,239 – Carson National Forest. Red squirrel monitoring, 2008. 2009
- \$ 20,000 – New Mexico Department of Game and Fish, Share with Wildlife. Montane mammal museum studies. 2008-2010

GRANTS AND CONTRACTS (continued):

- \$138,807 – U.S. Fish and Wildlife Service/Bureau of Reclamation. Response of the meadow jumping mouse to wetland management in the Middle Rio Grande, New Mexico. 2009-2011.
- \$128,948 - Arizona Game and Fish Heritage Grants. Inventory of the meadow jumping mouse in Arizona. 2008-2010.
- \$ 21,446 - Carson National Forest. Abert's squirrel monitoring, 2008. 2008
- \$ 5,870 – Marron and Associates. Mammal survey of Living Desert Zoo State Park. 2008
- \$ 2,500 - Modeling with a keystone indicator species: conservation implications for desert grasslands. T&E Inc. (with Martin Moses and Gary Roemer). 2008-2010
- \$ 2,500 – New Mexico State Parks. Mammals of Sugarite Canyon State Park. 2007
- \$ 24,000 – New Mexico Department of Game and Fish, Share with Wildlife. Morphological and genetic analysis of *Zapus hudsonius luteus*. 2007
- \$ 5,900 – New Mexico Department of Game and Fish. Key to the Rodentia of New Mexico. 2007
- \$ 2,500 - Modeling with a keystone indicator species: conservation implications for semi-arid grasslands. T&E Inc. (with Martin Moses and Gary Roemer). 2007-2009
- \$ 26,460 – New Mexico Department of Game and Fish. Status of the Peñasco least chipmunk. 2006
- \$ 26,037 – Lincoln National Forest. Population assessment of the red squirrel. 2006
- \$ 700 – Society for Conservation Biology. Peer-review of US Forest Service species assessments for the hog-nosed skunk and pygmy shrew. 2006
- \$ 5,250 – Santa Fe National Forest, Jemez Ranger District. Inventory for the meadow jumping mouse. 2006
- \$ 29,820 – New Mexico Department of Game and Fish. Status of the meadow jumping mouse in the Sangre de Cristo Mountains. 2006
- \$ 2,000 – New Mexico State Parks. Status of the meadow jumping mouse at Sugarite Canyon State Park. 2006.
- \$ 20,053 – Carson National Forest. Abert's squirrel monitoring, 2006. 2006
- \$ 5,900 - New Mexico Share with Wildlife: Key to the Rodentia of New Mexico, Part II. 2005-2006.
- \$ 10,000 – Desert Southwest Cooperative Ecosystem Studies Unit. Literature review on mammalian carnivore use on islands, coyote telemetry methodology, and biology of islands in the Laguna Madre. (with D. Echols, Padre Island National Seashore). 2006
- \$ 2,500 - Modeling with a keystone indicator species: conservation implications for desert grasslands. T&E Inc. (with Kristen Otten and Gary Roemer). 2006-2008
- \$ 18,651 – New Mexico Department of Game and Fish. Status survey of the least shrew (*Cryptotis parva*). 2005
- \$ 19,819 – New Mexico Department of Game and Fish. Status survey of the meadow jumping mouse (*Zapus hudsonius*). 2005
- \$ 15,564 – Carson National Forest. Abert's squirrel monitoring, 2005. 2005
- \$100,000 – International Arid Lands Consortium: Keystone indicator: a tool for semi-desert grassland conservation. (with Gary Roemer and Eli Geffen). 2005-2007

GRANTS AND CONTRACTS (continued):

- \$160,636 – National Parks Service: Mammal inventory of Padre Island National Seashore. 2004-2007
- \$ 10,352 – National Park Service: Data mining and data entry for Vital Signs Monitoring Plan. (with Don Caccamise). 2004-2005
- \$ 17,729 – New Mexico Department of Game and Fish. Status of the endangered Arizona montane vole (*Microtus montanus arizonensis*) in New Mexico. 2004
- \$ 7,500 – New Mexico Share with Wildlife: Key to the Rodentia of New Mexico. 2004-2005.
- \$ 10,000 – New Mexico Share with Wildlife: Habitat and diet of the threatened New Mexico meadow jumping mouse (*Zapus hudsonius luteus*): a spatial and temporal assessment". (with K. Mohrland and D. Jones). 2004-2005
- \$ 26,000 – Carson National Forest. Red squirrel and Abert's squirrel monitoring. 2004.
- \$ 46,570 – Carson National Forest. Red squirrel and Abert's squirrel monitoring; small mammal surveys. 2003.
- \$ 8,998 – BAE Systems Analytical Solutions, Inc. White Sands Missile Range small mammal voucher specimen preparation and identification. 2003-2005.
- \$ 98,000 – National Science Foundation. Center for Natural Resource Analysis within New Mexico Experimental Program to Stimulate Competitive Research (EPSCoR). (J.R. Gosz, A.W. Powell, et al.). I was the PI for the ENMU portion of \$ 3 million total award. 2002.
- \$ 3,335 – ENMU Research and Faculty Development Committee: Ecological segregation of the mountain cottontail (*Sylvilagus nuttallii*) and the snowshoe hare (*Lepus americanus*). 2001.
- \$563,389 – Grand Canyon Monitoring and Research Center, USGS: Inventory and monitoring of terrestrial riparian biological resources in Grand Canyon: an integrative approach. (with M.J.C. Kersley, H. Yard, N. Cobb, D.C. Lightfoot, G. Carpenter, and S.L. Brantley). 2001
- \$ 7,500 – USDA Forest Service: Expert's Panel on Grazing Impacts on Southwestern Mammals. 2001
- \$ 2,000 – New Mexico Natural Heritage Program: White Sands Missile Range Integrated Natural Resources Management Plan: Mammals. 2000-2001.
- \$ 4,979 – Lincoln National Forest, USDA Forest Service and ENMU Research and Faculty Development Committee: Status of the endangered Peñasco least chipmunk (*Tamias minimus atristriatus*). 2000.
- \$ 17,000 – New Mexico State Land Office: Geospatially referenced database for sensitive mammal, bird, and plant voucher specimens in the ENMU Natural History Museum. 1999-2000.
- \$ 5,500 – New Mexico Department of Game and Fish: Lesser prairie chicken lek surveys. 1999-2001.
- \$ 1,991 – ENMU Teaching and Technology Instruction: Radiotelemetry equipment and photographic slides of birds and mammals for classroom instruction. 1999.

GRANTS AND CONTRACTS (continued):

- \$ 15,000 – U.S. Forest Service, in collaboration with the New Mexico Department of Game and Fish. for Relationships among Southwest mammals and GAP vegetation types for the Biotic Information System of New Mexico (BISON-M). 1998.
- \$ 9,981 – Turner Biodiversity Division: Mammal survey of the Fra Cristobal Mountains, Armendariz Ranch, Sierra County, New Mexico. 1998.
- \$ 49,249 – Animas Foundation: Effects of reintroduced black-tailed prairie dogs on grassland ecology. (with C. Curtin, D. Lightfoot, G. Carpenter, and A. Henry). 1998.
- \$ 3,262 – ENMU Research and Faculty Development Committee: Distribution and habitat preference of white-tailed deer in New Mexico. 1998.
- \$ 3,000 – Ski Island Alliance, The Wildlands Project: Data compilation of focal species. 1997.
- \$ 17,500 – U.S. Geological Survey, Biological Resources Division: Response of southwestern montane mammal communities to global change. (with T. L. Yates) 1997.
- \$ 27,180 – National Science Foundation: Joint U.S.-Mexico Workshop on International Ecology and Biodiversity. (with T. L. Yates and G. Ceballos) 1996.
- \$ 11,986 – U.S. Forest Service: Mammal survey of the Negrito Creek watershed, Gila National Forest, Catron Co., New Mexico. 1995.
- \$ 12,700 – Arizona Game and Fish Department: Mexican vole (*Microtus mexicanus*) genetic analyses. 1992, 1993.
- \$ 2,000 – Albuquerque Community Foundation: Wildlife Rescue, Inc. of New Mexico, (with Francisca C. Bermudez and Elizabeth P. Elliston). 1993.
- \$ 900 – Sigma Xi; Biology, UNM; GSA, UNM: Dispersal versus vicariance in southwest montane mammals: genetics of long-tailed vole populations. 1991.
- \$ 19,500 – New Mexico Game and Fish Department: Allozyme and mtDNA restriction site variation in sandhill crane (*Grus canadensis*). (with T. L. Yates). 1991.
- \$ 500 – GRAC; SRAC; Vice President's Graduate Research Fund, Office of Research, UNM: Historical Biogeography of the Mexican Vole (*Microtus mexicanus*). 1990.
- \$ 1,226 – Kansas Department of Wildlife and Parks. For Distribution and habitat analysis of the long-tailed shrew in Kansas. (with D. W. Moore). 1987.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS:

1. **Frey, J. K.** 1987. Nongeographic variation in the Mexican vole (*Microtus mexicanus*). Kansas Academy of Science.
2. **Frey, J. K.**, and D. W. Moore. 1988. Distribution of *Sorex haydeni* in Kansas. Southwestern and Rocky Mountain Division, American Association for the Advancement of Science. **winner Outstanding Presentation Award**
3. **Frey, J. K.** 1988. Distribution of Hayden's shrew (*Sorex haydeni*) in Kansas. Kansas Academy of Science.
4. **Frey, J. K.**, and D. W. Moore. 1988. Morphologic variation and systematics of the Mexican vole (*Microtus mexicanus*). Southwestern Association of Naturalists.
5. **Frey, J. K.**, and D. W. Moore. 1988. Distribution of *Sorex haydeni* in Kansas. Prairie States Ecology Conclave.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS (continued):

6. **Frey, J. K.**, and D. W. Moore. 1988. Morphologic variation and systematics of the Mexican vole (*Microtus mexicanus*). American Society of Mammalogists.
7. **Frey, J. K.**, and D. W. Moore. 1989. Geographic variation in the Mexican vole (*Microtus mexicanus*). Southwestern and Rocky Mountain Division, American Association for the Advancement of Science.
8. Moore, D. W., G. Ploskey, and **J. K. Frey**. 1989. Identification of hybrids between sauger and walleye. Southwestern Association of Naturalists.
9. **Frey, J. K.** 1990. Fluctuation of a mammalian faunal element in response to climatic change. Southwestern Association of Naturalists.
10. **Frey, J. K.** 1990. Fluctuation of a mammalian faunal element in response to climatic factors. Southwestern and Rocky Mountain Division, American Association for the Advancement of Science. **winner Robert I. Larus Award-best paper**
11. **Frey, J. K.** 1990. Fluctuation of a mammalian faunal element in response to climatic change. American Society of Mammalogists.
12. **Frey, J. K.**, and D. W. Moore. 1990. Range expansion of the meadow vole (*Microtus pennsylvanicus*) in Kansas. Kansas Mammalogists.
13. **Frey, J. K.** 1991. Response of a mammalian faunal element to climatic change. American Association for the Advancement of Science. **invited paper**
14. Gannon, W. L., P. J. Glass, **J. K. Frey**, and T. L. Yates. 1991. Information retrieval of biological materials at the Museum of Southwestern Biology. American Society of Mammalogists.
15. **Frey, J. K.** 1992. Evolutionary consequences of modes of peripheral isolate formation under alternative modes of speciation and speciation in frogs of the subgenus *Stombus* (Leptodactylidae: genus *Ceratophrys*). Southwestern Association of Naturalists.
16. **Frey, J. K.** 1992. Evolutionary consequences of modes of peripheral isolate formation under alternative modes of speciation. American Society of Mammalogists.
17. **Frey, J. K.** 1993. Testing among modes of allopatric speciation: A hypothetico-deductive approach. American Society of Mammalogists. **invited paper in the plenary session for Shadle Award**
18. **Frey, J. K.**, D. J. Hafner, T. L. Yates, and C. G. Schmitt. 1994. Allozyme and mitochondrial DNA variation in migratory sandhill crane (*Grus canadensis*). Southwestern Association of Naturalists.
19. Bermudez, F. C., and **J. K. Frey**. 1994. Value and potential of wildlife rehabilitation to the zoological sciences. Southwestern Association of Naturalists.
20. **Frey, J. K.**, and M. J. Patrick. 1994. Endoparasites from the endangered Hualapai vole (*Microtus mogollonensis hualpaiensis*). American Society of Mammalogists.
21. Ditto, A. M. and **J. K. Frey**. 1995. Species diversity and the peninsular effect: non-volant mammals in Chihuahuan Desert habitat peninsulas. Southwestern Association of Naturalists.
22. **Frey, J. K.** 1995. Homage to Darwin: On the evolution of domestic breeds of standard chickens. Southwestern Association of Naturalists.
23. **Frey, J. K.** 1996. Assessing distribution patterns and predicting climate induced extinctions in southwestern montane mammals. Southwestern Association of Naturalists.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS (continued):

24. Ditto, A. M. and **J. K. Frey**. 1997. Effects of island attributes on genetic variability in southwestern montane mammals. Southwestern Association of Naturalists.
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44. Mathis, V.L. and **J.K. Frey**. 2005. Geographic variation in relictual populations of red squirrel (*Tamiasciurus hudsonicus*) in the American Southwest. Southwestern Association of Naturalists.
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ResearchGate: https://www.researchgate.net/profile/Jennifer_Frey3

Peer-Refereed published papers = 68

Google Scholar

citations = 1,330 (396 since 2012)

h-index = 15

i10-index = 22

Thomson Reuters ResearcherID/Web of Knowledge

articles with citation data = 39

Sum of times cited = 686

Average citations per article = 17.59

h-index = 10

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BOOK IN PREPARATION:

Cartron, J.E. and **J.K. Frey (editors)**. The Carnivores of New Mexico. University of New Mexico Press. Expected publication date January 2018

J.K. Frey authored chapters by include:

- Introduction
- Conservation of Carnivores
- Red fox
- Wolverine
- Ermine
- Long-tailed weasel
- American mink
- White-nosed coati
- Conclusion

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