

**Curriculum Vitae
Michael Scott Burt
2011**

Current Position

Instructor, Department of Biology
Angelo State University
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Michael.Burt@angelo.edu

EDUCATION

B.S. in Biology 1992, cum laude. Angelo State University
M.S. in Biology 1995. Angelo State University
Ph.D. in Biology 2000. University of New Mexico.

PROFESSIONAL EXPERIENCE

Teaching-

Visiting Associate Professor, University of Wyoming at Casper College, April 2009-present. Teaching Mammalogy, Ornithology, Herpetology, Evolution, Writing in Biology; also mentoring students in research and assisting with Wyoming INBRE Assessment Program.

Adjunct, University of Wyoming Casper College August 2008-March 2009. Taught Evolution, Writing in Biology

Instructor for Joseph Baldwin Academy. Summer course entitled Mammals of Missouri: Ecology, Natural History and Behavior. Taught summers of 2007, 2008.

Development of Advanced Field Mammalogy Course designed to expose students to detailed methodology in the design, implementation, and analyses of mammalogical studies. Offered for the first time in Spring, 2005.

Development of Biology workshop course: Wet Islands in a dry ocean: bird communities of Trans-Pecos Texas at Truman State. Offered May 2003 in Big Bend National Park, Texas.

Development of study abroad course: Conservation and Management of African Mammals at Parawild safari, Krueger National Park. Offered July, 2003 and 2004, 2006 and 2008 in South Africa.

Chair, Biology Department at Truman State University 2007-2008

Received Tenure fall 2006

Associate Professor of Biology at Truman State University, 2005-2008

Assistant Professor of Biology at Truman State University, 2000-2005 – taught Mammalogy (with field based labs), Animal Behavior, Ecology, Introductory Biology I and II, Freshman seminar, Specialty field and study abroad courses. *Promoted to Associate Professor, Fall 2005.*

Biology Instructor at the Albuquerque Technical Vocational Institute. 1997 - taught Human Anatomy and Physiology Theory I and II, cadaver based Human Anatomy and Physiology Lab I and

II, and an Introduction to Genetics Problems course. Typical lecture courses have 50 students, while the labs have 25 students; developed curriculum and tests for lecture courses.

Teaching Assistant for the Biology Department at UNM. 1995-1998. Taught lab sections of Human Anatomy and Physiology I and II, General Vertebrate Zoology, and Mammalogy, with an average student enrollment of 25/lab and 3 labs/semester. **Anatomy labs were cadaver based, supplemented with models, and involved extensive lecturing**; developed curriculum and tests for GVZ lab and supervised field work for mammalogy lab.

Biology Instructor, Department of Biology at Angelo State University. Summer 1995. Taught lectures and labs of Human Anatomy (using minks as subjects) and labs of Human Physiology.

Graduate Teaching Assistant, Department of Biology at Angelo State University. 1992-1995. Taught labs for both Human Anatomy (using minks) and Human Physiology, and was responsible for General Biology lab set-up.

Scholarship-

Student research collaborations

Graduate Students (all M.S.)

Polly Higgins. (2001- 2003)

Study: Small mammal community responses to oak savannah restoration.

Funding: Missouri Department of Conservation Small Grants Program and the Biology Graduate Program of Truman State

Presentations: Missouri Academy of Science (2002), American Society of Mammalogists (2002), Truman Research Symposium (2003)

Kevin Eulinger (2002 – 2003)

Study: Effects of habitat disturbance on small mammal community structure; Range Expansion for *Microtus pennsylvanicus*; Differences in trap success (Snaps versus Shermans; Mammals of Swan Lake National Wildlife Refuge.

Funding: Missouri Department of Conservation Small Grants Program and the Biology Graduate Program of Truman State

Presentations: Truman Research Symposium (2003), American Society of Mammalogists (2003, 2004)

Peggy Luensmann (2002 – 2004)

Study: The distribution of bat ectoparasites within a north central Missouri Community

Funding: Biology Graduate Program of Truman State

Presentations: Central Plains Mammal Society (2003), American Society of Mammalogists (2004)

Matt Bast (2003-2005)

Study: Prey Selection in a southeastern Missouri bat community

Funding: Biology Graduate Program of Truman State

Presentations: Truman Research Symposium (2005)

Shawna Cooper (2004-2005)

Study: The effects of forest management practices on the distribution of hantavirus within rodent communities

Funding: Biology Graduate Program of Truman State

Presentations: Truman Research Symposium (2005); Missouri Academy of Science (April, 2005)

Jeff Wright (2006-2008)

Study: Home range and habitat use of the opossum in an urban environment.

Funding: Biology Graduate Program, Truman state; ASM Grants in Aid of Research (pending)

Undergraduate Students

Peggy Luensmann, John Bennett, Nathan Harman (Fall 200, Spring, Summer 2001)

Study: Holdings of the Truman State Mammalogy Collection (computerization of collection; creation of GIS based maps)

Funding: Truman State Faculty Development Research Grant

Presentations: Truman State Research Symposium (2001), Southwestern Association of Naturalists (2001), American society of Mammalogists (2001)

Peggy Luensmann, Kevin Eulinger, John Bennett

Study: Small mammals of select Missouri conservation Areas

Funding: Missouri Department of conservation small grants program and Truman State Faculty Development Research Grant

Presentations: Written report to Truman State and MDC.

Christina Carr (Fall 2001-Spring 2002)

Study: Ecological associations of two Missouri voles

Presentations: Missouri Academy of Science (2002), Truman Research Symposium (2002), American Society of Mammalogists (2002)

Study: Sexual dimorphism in the pocket gopher *Thomomys bottae*

Presentations: American Society of Mammalogists (2002)

Gerrad Jones (Fall 2002-2004)

Study: Bobcat population status in Northeast Missouri

Funding: Truman Undergraduate Research Grant, McNair Program, Missouri Department of Natural Resources

Presentations: McNair Research Symposium (2003), Central Plains Society of Mammalogists (2003),

Study: Geographical variability in the call structure of *Eptesicus fuscus*

Funding: Truman State Undergraduate Research Grant

Shawna Cooper (Fall 2002-2005)

Study: Distribution and ecology of Hantavirus in Northeast Missouri
Funding: Truman Undergraduate Research Grant
Presentations: Truman Undergraduate Research Symposium (2004), Missouri Academy of Science (2004), American Society of Mammalogists (2004)

Melissa Davis (Spring 2002-2003)

Study: Morphological variability in two sympatric species of shrews
Presentations: Truman Research Symposium (2003)

Kristen Otten (Spring 2004-2005)

Study: Morphological variability of *Peromyscus leucopus* in Missouri.
Funding: Truman Undergraduate Research Grant
Presentations: American Society of Mammalogists (June, 2005)

Adam Petry (Fall 2005-2006)

Study: Home range size of *Lynx rufus*.
Funding: Truman Undergraduate Research BARS grant

Rachel VanAmburg, Joshua Kelly, and John Hainline (2005)

Study: Echolocation in Missouri bats
Funding: NSF funded MathBio RLC program

Christopher Tickner (2005)

Study: Microhabitat preference of *Lynx rufus* in northeast Missouri
Funding: NSF funded STEP program.

Kelly Pierce (2006)

Study: Hantavirus in *Neotoma* and *Sigmodon* of Missouri
Funding: Truman Undergraduate Grant

Shannan Schoening (2006)

Study: Roosting ecology of *Myotis sodalis*
Funding: Truman Undergraduate Grant; Missouri Department of Conservation

Rachel Shelton (2006)

Study: A comparison of the Anabat and Petterson time expansion acoustic technologies
Funding: Truman Undergraduate Grant

Philip Vance, Josh Kelly, Jason Clemens (2006):

Study: Echolocation in Missouri bats
Funding: NSF funded MathBio RLC program, STEP program

Philip Vance, Josh Kelly, Ben Hale (2007):

Study: Echolocation in Missouri bats

Funding: NSF funded MathBio RLC program, STEP program

Kenneth Wallen (2007)

Study: Effects of forest management on small mammal communities of Sugar Creek Conservation Area.

Funding: Truman State University; McNair program (\$3,000)

Wayne Cummings, Rachael Henley (2009-2010)

Study: LONG-TERM RESPONSE OF SMALL MAMMAL COMMUNITIES TO THE 1988 HUCKLEBERRY MOUNTAIN FIRE

Funding: UW/NPS grant (\$4,802)

Becky Zook (2009)

Study: *Eimeria* of Red-backed voles in Grand Teton National Park: relationship between intensity of shedding and time of day

Funding: Wyoming INBRE summer scholarship (\$2,500)

Brett Thielbar (2009)

Study: Endoparasites of small mammals from Grand Teton National Park

Jamie Engelking, Rachael Henley and Abi Tille (2010)

Study: Seroprevalence of Hantavirus in *Peromyscus maniculatus* across Wyoming

Funding: Wyoming INBRE spring and summer scholarships (approx. \$9,000)

Jessica Luers and Brian Kussey (2010)

Study: *Eimeria* in *Zapus princeps* from Grand Teton National Park

Funding: Wyoming INBRE summer scholarships (approx. \$4,000)

Stephanie Marker and Tracie Calkin (2010)

Study: *Eimeria* in soricids from Grand Teton National Park

Funding: Wyoming INBRE summer scholarships (approx. \$4,000)

Wayne Cummings, Jake Hourt, and Ronnie Harned (2010)

Study: Trypanosomes in *Peromyscus maniculatus* from Grand Teton National Park

Funding: Wyoming INBRE summer scholarships (approx. \$6,500)

The following students contributed in some significant way to the growth and maintenance of the Truman State Mammal Collection. Duties range from preparation of voucher specimens, osteoscribing, dermestid beetle colony oversight, cataloging, specimen matching, database entry, GIS map generation, collection of specimens in the field, installation of vouchers into the collection, and curatorial care of the research and teaching collections. The TSMC would not be the same without the dedicated help of so many students.: Peggy Luensmann, Kevin Eulinger, Polly Higgins, Erin Rottinghaus, Julie Bates, Jessie Crile, Abigail Schwepker, Melissa Davis, Shawna Cooper, Gerrad Jones, Adam Petry, Katie Jackson, Andy Ross, Phil

Andreas, Paul Schuette, John Bennett, Nathan Harman, Christina Carr, Jeff Wright, Matt Fieleke, Kim Frankie, Lisa Field, Justine Maedeker, Ashley Colon, Ashley Styczynski, Kristen Otten, Deana Judah, Cassie Miller, Linsey Karwoski, Kathy Schaberg, Kelly Pierce, Kelly Arcipowski, Maggie Klobe, Lesley Sheridan, Rachel VanAmburg, Alana Walker, Erin Kane, John Anderson, Sarah Lockenvitz, Ben Shannan, Erin Gill, Vincent Demarco, Craig Becker, Doug Elliot, Lindsay Rudolph, Megan Folkerts, Casey Wooten, PJ Muellman, Brigitte Bloom

Other Professional experience:

Senior Bat Ecologist for Terracon. I assist biologists with Terracon to identify bats to species from passively collected search phase echolocation calls. Employed part time with Terracon since April 2011

External reviewer for UG and Graduate programs at Southern Illinois University in 2008.

*Collaborator with Missouri Department of Conservation to investigate *Myotis sodalis*.* Working closely with Greg Gremaud and Rick Clawson of MDC.

Host, Central Plains Mammal Society Annual Meeting, 2005. Truman state hosted the annual CPSM meetings in October of 2005, with approximately 80 participants and a full day of oral and poster presentations. I was the chair of the local committee and responsible for all aspects of the meeting organization.

Local coordinator for Vendors, 2005 ASM meetings held in Springfield Missouri.

Curator, Truman State Mammal Collection. 2000-2008. Oversee all aspects of the mammal collection, including collection of specimens, preparation of vouchers, cataloging, installation, pest management, and database management.

Manuscript reviewer for Journal of Mammalogy, the Southwestern Naturalist, and Journal of Parasitology. 2000-present.

Host, Anabat Workshop. Summer 2002. Workshop held on the campus of Truman state to discuss the application, limitations, and utility of the Anabat detection system, especially for endangered bat species. Included discussion groups and field excursions to Deer Ridge Conservation Area. Approximately 20 attendees.

Mammalogist working in collaboration with the National Park Service, Texas Tech University, and University of Texas, Arlington. Spring 2001. Survey for bats of the Lower Canyons of the Rio Grande.

Graduate Curatorial Assistant for the Division of Mammals, Museum of Southwestern Biology, UNM. 1997-2000. Identifying and cataloging of mammal specimens into the permanent catalog, overseeing the flow of specimens from the prep room to the permanent cases, minor curation and specimen preparation, and supervising work-study students in general museum maintenance.

Mammalogist/Team Leader for the Johns Hopkins/University of New Mexico Hantavirus research project. Summer 1999. Utilization of small mammal trapping and GIS data to test predictability for potential hantavirus hot spots in New Mexico.

Mammalogist with the Museum of Southwestern Biology, in collaboration with the International Long Term Ecological Research Center and the National University of Mongolia. July-August 1999. Participated in a National Science Foundation funded trip to establish a long-term ecological mammal survey in Mongolia using the web trap design. Portions of the trip were filmed by National Geographic.

Mammalogist and Collaborator with the Special Pathogens Branch of the Center for Disease Control and Prevention, and the Adolfo Lutz Virology Institute of Brazil. June, 1998. Cases of Hantavirus in Brazil prompted a survey of local rodent populations to determine the reservoir species.

Field Assistant for a mammal and bird survey of Santa Ana Pueblo. July, 1998. Surveyed mammal and bird populations of pre-restoration wetland.

Research Assistant and Team Leader of the New Mexico Bat Survey. Summers of 1997, 1998. Surveyed for bats across the entire state in all major vegetative zones; collected geographical, morphological, and ecological data, as well as parasites, and an accumulation of a bat call library using the Anabat system. My primary focus is on the ecological aspect of the project, which is spearheaded by William L. Gannon.

Field Assistant for Global Climate Change Project, UNM. Summer 1996. Surveyed mainly small to medium sized mammals in various mountain ranges/basins of western and southern New Mexico. Some specimen preparation involved (standard vouchers).

Research Assistant, Department of Biology at Angelo State University. 1992. Electrophoretic Analysis of Sea Hares (*Aplysia*) from the South Texas Coast.

Field Assistant for Texas Parks and Wildlife Department and Horned Lizard Conservation Society. Summer 1992. Surveyed west Texas to determine the status of *Phrynosoma cornutum*, the Texas Horned Lizard.

River Guide for Angelo State University Biology Department. Summer 1993. Surveyed Boquillas canyon and Lower Canyons of the Rio Grande for the endangered morning glory *Bonamia ovalifolia* with Dr. Bonnie Amos

Consultant for Exxon Corporation and Roger's Environmental Safety Services. Summer 1993. Surveyed potential oil rig sites for the threatened Texas Horned Lizard and drafting a final report.

Field Assistant in Oaxaca Mexico for University of Kansas. Summers of 1989-1992. Mist netted in Oaxaca for Scrub Jay as part of demographic/behavioral study for D. Brent Burt.

Service-

University of Wyoming at Casper College

Assistant to Scott Seville for Wyoming INBRE Program-assessment primarily (2008-present)
Member, Search committee for UWCC- 2010

Truman State University

Chair, Biology Department (2007- present)
Chair, Vertebrate Biologist Search Committee (2007)
Visit Day Coordinator for Biology (Spring 2006-present)
Chair, Biology Graduate Program (Fall 2002-2007)
Member, Biology Department, 5 year review committee (Spring-Fall 2002)
Student academic advisor (2001-present)
Co-advisor for TriBeta Biological honor Society (2001- 2003)
Member, Lyceum Committee (2002-2005)
Faculty Search Committees (2002, 2003, 2004)
Senior Portfolio reading (Summer 2002, 2004)
Visit Day Coordinator (Fall 2005)

External

Secretary, Missouri Academy of Science (2002-2004)
Member, ASM Systematics and Collection Committee (2001-present)
Member, ASM Program Committee (2003-2008)
Member, ASM Animal Care and Use Committee (2005)
Judged science fairs at several public schools since 1992.
Regular visits to local elementary schools to talk about Missouri mammals (Kirksville Public Schools, Brashear Elementary, Mary Immaculate)
Manuscript reviewer for Southwestern Naturalist, Journal of Mammalogy, Journal of Parasitology

PROFESSIONAL MEMBERSHIPS (past and present)

American Society of Mammalogists
Southwestern Association of Naturalists
Missouri Academy of Science
Sigma Xi
Texas Society of Mammalogists
Central Plains Mammal Society
Beta Beta Beta Biological Honor Society

BOOK/TEXT REVIEWS

Ecology labs (Vodopich,)

Biology, 1st ed. by Brooker, Widmaier, Graham, and Stiling

Biology, by Raven

Biology, 5th edition. Solomon, Berg, and Martin. 1999. Saunders College Publishing.

Adaptation, Diversity, and Ecology: Mammalogy, 1st edition. Feldhammer, Drickamer, Vessey and Merritt. 1999. McGraw Hill

Biological Science, 1st edition. Freeman. 2002. Prentice Hall

INVITED PRESENTATIONS

2010

Big Bend National Park: where “rainbows wait for rain.” Annual Banquet for Murie Chapter of Audubon Society, Casper Wyoming.

2009

Bird Migration and Conservation: Incredible feats of endurance and navigation. Audubon Society Meeting, Murie chapter, Casper, Wyoming.

2005

The lure of the field. Presented at the Biology Honor’s Banquet, Truman State University.

2004

Study abroad in South Africa: Challenges of managing Africa's megafauna. Presented to the incoming Freshman class of Truman.

2003

Myths and Misconceptions of Evolution. Presented to the Free Thinkers Society, Truman State University.

Ecomorphology of pocket gophers. Presented to KCOM faculty as part of their Basic Science Seminar.

Conservation and Management Issues of South Africa's Megafauna. Presented to the Biology Department of Southwestern Missouri State University.

Invited speaker to Truman's Mathematics/Biology Initiative Seminar Series.

2001

A reassessment of morphological variability in the pocket gopher *Thomomys bottae*. Presented to the Biology Department at the University of Missouri, Columbia Missouri

A reassessment of morphological variability in the pocket gopher *Thomomys bottae*. Presented to the Biology Department at Mississippi State University, Starksville Mississippi.

GRANTS

2009

Long term response of small mammal communities to the 1988 Huckleberry mountain fires. CO PIs Scott Seville and Scott Burt. Awarded \$4,802 from UW/NPS program.

Daily fluctuations in endoparasite loads in small mammals. Student authored proposal by Becky Zook, Scott Burt as mentor. Awarded \$2,500 from INBRE summer fellowship program.

2007

Habitat survey of Sugar Creek Conservation Area. Kenneth Wallen and Scott Burt. Student authored Proposal for Truman State University for \$3,000.

2006

Bat survey of Thousand Hills Conservation Area of opportunity, with an emphasis on *Myotis sodalis*. \$6,200 from The Missouri Department of Conservation.

Hanatavirus in Missouri rodents. Kelly Pierce and Scott Burt. Student authored proposal for Truman State University for \$3,000.

Summer Roosting Ecology of *Myotis sodalis*. Shannan Schoening and Scott Burt. Student authored proposal from Truman State University for \$3,000.

2005

Resubmission of revised NSF-BRC grant from 2004. Denied funding, favorable reviews

Mammals of Missouri, in collaboration with Lynn Robbins (SMSU) and Vickie Jackson (CMSU). Submitted to MDC/Wildlife diversity program. Denied Funding

Student authored proposal (Adam Petry) from Truman State University for \$4,000 to study home range of *Lynx rufus*.

2004

Truman Biology Biological Research Collections Grant (NSF). \$330,000. Submitted date July 2004. Not funded, but favorable reviews.

Various student authored proposals that I helped to write/edit, etc. totaling over \$30,000. Submitted to various funding agencies including Sigma Xi, the American Society of Mammalogists, and Truman State University.

2003

Truman Biology REU Site Proposal (NSF). PI Jon Gering. I am a senior personnel and was involved in all phases of the development of this proposal. \$258,799. Not funded

The status of the bobcat in Northeast Missouri. \$4,000 from Truman BARS. Advisor for Gerrad Jones.

Determination of Hantavirus distributions within small mammal communities of northeast Missouri: a human risk assessment. \$4,000 from Truman BARS. Advisor for Shawna Cooper.

Acoustics of bats, Co PIs with Jason Miller and Matt Beaky. \$11,000 from Lindbergh foundation. Not funded.

2002

Effects of habitat disturbance on small mammal community structure at Swan Lake National wildlife Refuge. Co PI with Kevin Eulinger. Awarded by the Missouri Department of Conservation Small Grants Program.

2001

Small Mammal Community Responses to Oak Savannah Restoration. Awarded \$4,840 by the Missouri Department of Conservation. Co-PI with Polly Higgins.

Mammal Surveys of Missouri's Natural Areas. Awarded \$3,870 by the Missouri Department of Conservation.

Mammals of Missouri. Awarded \$5,000 by Truman State University.

Before 1999

Ecology and genetics of eleven subspecies of pocket gophers. 1999. Awarded \$4,500 by the Share with Wildlife Task Force of the State of New Mexico Game and Fish Department.

A reassessment of morphological and genetic variation in *Thomomys bottae*. Awarded \$350 by the Graduate Resource Allocations committee (GRAC) in the Department of Biology at the University of New Mexico, and \$650 by the Student Resource Allocations Committee at the University of New Mexico.

Awarded a total of approximately \$500 of travel funds from GRAC since 1997 to present papers and posters at various scientific meetings.

PRESENTED PAPERS

2011

Rachael Henley, Abi Tille, Jamie Engelking and Scott Burt. Hantavirus in Wyoming. Poster presentation at annual undergraduate research day, UW, Laramie.

Jessica Luers, Stephanie Marker, Tracie Calkin, Brian Kussey, and Scott Burt. *Eimeria* of small mammals from Grand Teton National Park. Poster presentation at annual undergraduate research day, UW, Laramie.

Kevin Wallingford, Scott Burt. *Eimeria* from the northern pocket gopher, *Thomomys talpoides*. Poster presentation at annual undergraduate research day, UW, Laramie.

Rebecca Zook and Scott Burt. Intensity of *Eimeria* infection and time of day in the red-backed vole, *Myodes gapperi*.

2010

Scott Burt and Scott Seville. Parasites and Disease Ecology of Small Mammals in Grand Teton National Park. Oral Presentation at the fall retreat for Wyoming INBRE at Jackson Lake.

2009

Add research day presentations by students

2007

Phil Vance, Josh Kelly, Ben Hale, **Scott Burt** and Jason Miller. Quantitative analysis of echolocation calls from North East Missouri bats. Truman State University, Kirksville, MO. Oral presentation at the Central Plains Society of Mammalogists Annual Meeting in Springfield, MO

Shannan Schoening and Scott Burt. *Myotis sodalis* presentation at SRC.

Need to add 2 (3?) more presentations for bat work at SRC

2006

Phil Vance, Josh Kelly, Ben Hale, **Scott Burt** and Jason Miller. Quantitative analysis of echolocation calls from North East Missouri bats. Truman State University, Kirksville, MO. Poster presentation at the American Society of Mammalogists meeting in Albuquerque, New Mexico

Petry, A., Burt, M. S. Science Division, Truman State University. HOME RANGE SIZE AND HABITAT USE OF THE BOBCAT (*LYNX RUFUS*) IN NORTHEAST MISSOURI. Oral presentation at the Annual Meeting of the Missouri Academy of Sciences held at Truman State University.

Need to add 4 student presentations given at SRC. (Tickner, Hainline, Petry, Van Amburg)

2005

Kristen Otten and **M. Scott Burt**. Morphological variability of *Peromyscus leucopus* in Missouri. Poster presentation at the American Society of Mammalogists meeting in Springfield, Missouri.

Shawna Cooper and **M. Scott Burt**. The effects of forest management on *Peromyscus leucops* and hantavirus in northeast Missouri. Oral presentation at the Missouri Academy of Science.

Gerrad Jones and **M. Scott Burt**. Geographic variability in the calls of *Eptesicus fuscus*. Poster presentation at the Southwestern Association of Naturalist in San Antonio Texas.

2004

Peggy Luensmann and **M. Scott Burt**. Ectoparasites of a north Central Missouri bat community. Oral presentation at the American Society of Mammalogists meeting in Arcata, California.

Shawna Cooper and **M. Scott Burt**. Hantavirus in a northeast Missouri Rodent Community. Poster presentation at the American Society of Mammalogists meeting in Arcata, California

Kevin Eulinger and **M. Scott Burt**. COMPARISON OF CAPTURE SUCCESS BETWEEN SHERMAN FOLDING TRAPS AND MUSEUM SPECIAL SNAP TRAPS; Poster presentation at the American Society of Mammalogists meeting in Arcata, California

2003

Polly M. Higgins and **M. Scott Burt**. Small mammal community response to oak-savannah restoration. Oral presentation at the American Society of Mammalogists meetings in Lubbock, Texas

Kevin Eulinger and **M. Scott Burt**. Effects of habitat disturbance on small mammal community structure. Oral presentation at the American Society of Mammalogists meetings in Lubbock, Texas

Peggy Luensmann and **M. Scott Burt**. Ectoparasites of a north central Missouri bat community. Oral presentation at the annual meeting of the Central Plains Mammal Society, Springfield Missouri.

Gerrad Jones and **M. Scott Burt**. The status of *Lynx rufus* in Northeast Missouri. Oral presentation at the annual meeting of the Central Plains Mammal Society, Springfield Missouri.

2002

Polly M. Higgins and **M. Scott Burt**. Small mammal community response to oak-savannah restoration. Oral presentation at the Missouri Academy of Science and American Society of Mammalogists meetings in Springfield, Missouri and Lake Charles, Louisiana respectively.

M. Scott Burt and Christina C. Carr. Ecological constraints on the degree of sexual dimorphism in the pocket gopher *Thomomys bottae*. Poster presentation at the American Society of Mammalogists meeting in Lake Charles, Louisiana.

2001

Nathan Harman, Peggy Luensmann, John Bennett and **Scott Burt**. Current holdings of the Truman State mammal collection: where do we go from here? Poster presentations at the Southwestern Association of Naturalists Annual Conference in Fort Hays Kansas, and at the Annual Meeting for the American Society of Mammalogists in Missoula Montana.

David S. Tinnin, Nyamsuren Batsaikhan, **M. Scott Burt**, Jon L. Dunnum, Jorge Salazar Bravo, and Terry L. Yates. Contributions to the Mammals of Mongolia. Poster presentation at the Annual Meeting for the American Society of Mammalogists in Missoula Montana.

1999

Burt, M. Scott, Luiz Eloy Pereira, Joel Williams, Renato Pereira de Souza, Jorge Salazar Bravo, Terry L. Yates, Ali S. Khan, and Jim Mills. Rodents and Hantavirus in Sao Paulo Brazil. Presented at the Southwestern Association of Naturalists Annual meeting in Monterrey Mexico, and at the Annual Meeting for the American Society of Mammalogists in Seattle WA, USA.

Richard E. Sherwin, Shauna Haymond, and **M. Scott Burt**. Bridge use by day roosting bats in Costa Rica. Poster presentation at the Annual meeting for the American Society of Mammalogists in Seattle WA, USA.

Dusty J. Wells, Cristina Chavez, Scott Knapp, Lisa Roberts, Luis Ruedas, **M. Scott Burt**, Terry L. Yates, Jennifer K. Frey, Mike Bogan, and Jim Findley. A decade of mammal trapping at two montane sites in New Mexico: changes in community composition to El Nino events. Presented at the Annual meeting for the American Society of Mammalogists in Seattle WA, USA.

1998

Burt, M. Scott. A reassessment of morphological and genetic variation in *Thomomys bottae*. Invited speaker, Western Kentucky University, Bowling Green, Kentucky.

Burt, M. Scott and William L. Gannon. A summary of four years of field work on New Mexican bats. Invited speaker for Beta Beta Beta Biological Honor Society, Angelo State University, San Angelo TX USA.

Burt, M. Scott and William L. Gannon. Patterns of chiropteran diversity in New Mexico: ecological and geographical correlates. Presented at the 45th Annual Meeting of the Southwestern Association of Naturalists, Albuquerque, NM USA, and at the Annual Meeting for the American Society of Mammalogists in Blacksburg, VA, USA.

Gannon, William L. and **M. Scott Burt**. Relationship between bat foraging behavior and echolocation call. Presented at the 45th Annual Meeting of the Southwestern Association of Naturalists, Albuquerque, NM USA.

1997

Burt, M. Scott and William L. Gannon. Patterns of chiropteran diversity in New Mexico: ecological and geographical correlates from four years of field work. Presented at the 26th Annual North American Bat Research Symposium, Tucson AZ USA.

Burt, M. Scott and Ed Bedrick. Macrogeographic habitat characterizations for two species of pocket gophers *Thomomys bottae* and *T. talpoides* in the southwestern United States. Presented as a poster at the 9th International Theriological Congress, Acapulco Mexico.

Burt, M. Scott and Ed Bedrick. Macrogeographic habitat characterizations for two species of pocket gophers *Thomomys bottae* and *T. talpoides* in the southwestern United States. Presented at the Annual Meeting of the American Society of Mammalogists, Stillwater OK USA.

1996

Burt, M. Scott and Robert C. Dowler. Biochemical systematics of *Geomys attwateri* and *G. breviceps*. Presented at the Annual Meeting of the Southwestern Association of Naturalists, McAllen TX USA.

1995

Burt, M. Scott and Robert C. Dowler. Biochemical systematics of *Geomys attwateri* and *G. breviceps*. Presented to the Texas Society of Mammalogists, Junction TX USA.

1994

Burt, M. Scott and Robert C. Dowler. Allozymic variation and gene flow at a contact zone of two species of pocket gophers, *Geomys attwateri* and *G. breviceps*. Presented as a poster to the 75th Annual Meeting of the American Society of Mammalogists at the Smithsonian Institution, Washington D.C. USA.

1992

Burt, M. Scott and Ned Strenth. A preliminary review of allozymic variation in the land snail *Rabdotus alternatus* from Texas and Mexico. Presented at the Annual Meeting of the Texas Academy of Sciences, Nacogdoches TX USA.

Burt, M. Scott and Ned Strenth. A preliminary review of allozymic variation in the land snail *Rabdotus alternatus* from Texas and Mexico. Presented at the Beta Beta Beta National Convention, Madison NJ USA.

PUBLICATIONS

Primary Literature-

Chris T. McAllister, Scott Burt, R. Scott Seville, and Henry W. Robison . A NEW SPECIES OF *EIMERIA* (APICOMPLEXA: EIMERIIDAE) FROM THE EASTERN PIPISTRELLE, *PERIMYOTIS SUBFLAVUS* (CHIROPTERA: VESPERTILIONIDAE), IN ARKANSAS. *In press* Journal of Parasitology, 2011.

Jeffrey D. Wright, M. Scott Burt, and Victoria L. Jackson. Home range size and body mass differences of Virginia opossums (*Didelphis virginiana*) living in urban and rural environments. *Accepted*, The Northeastern Naturalist, 2011.

Kevin G. Eulinger, M. Scott Burt. 2011. Comparison of trap success between Sherman folding traps and museum special snap traps. *In press*, Southwestern Naturalist.

Burt, M.S., Scott Seville, Wayne Cummings and Rebecca Zook. LONG-TERM RESPONSE OF SMALL MAMMAL COMMUNITIES TO THE 1988 HUCKLEBERRY MOUNTAIN FIRE. 2010. University of Wyoming/ National Park Service Annual Research Bulletin, Grand Teton National Park.

Kevin G. Eulinger, M. Scott Burt. 2007. Mammals of Swan Lake National Wildlife Refuge. Transactions of the Missouri Academy of Science.

Shawna Cooper, M. Scott Burt and Charles F. Fulhorst. 2006. Determination of Hantavirus Distribution in Small Mammal Communities of Northeast Missouri, A Human Risk Assessment. Transactions of the Missouri Academy of Science

Frey, Jennifer K, and M. Scott Burt. 2003. The banner tailed kangaroo rat (*Dipodomys spectabilis*) in west central New Mexico. New Mexico Journal of Science.

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