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#### Education

- Ph.D . Anthropology, University of Missouri, 2001
- M.A . Anthropology, University of Missouri, 1996
- B.A . Anthropology with honors (Summa cum Laude, Phi Beta Kappa), Arizona State University, 1994

#### Academic Experience

University of North Texas (Starting August, 2004)

Teaching Fellow , Department of Geography. Teaching responsibilities include archaeology of Texas, archaeological science (world prehistory), new world archaeology, and conservation biology and resource management 3/2 teaching load.

Ph.D . student, Program in Environmental Science (J.H . Kennedy, Advisor). Specialization in conservation biology with a focus on using archaeological data to inform modern ecosystem management.

Northern Kentucky University (August, 2003 through May, 2004)

Acting Museum Director, Museum of Anthropology & Lecturer, Department of Sociology, Anthropology, & Philosophy. Developed short-term strategic plans for curation and exhibit upgrade; initiated volunteer staff program, and developed museum website with on-line exhibits for public outreach. Teaching included introduction to cultural anthropology and introduction to museum studies; 3/3 teaching load.

Grand Valley State University (August, 2001 through May, 2003)

Visiting assistant professor, Department of Anthropology, Division of Social Science. Teaching responsibilities included native cultures of North America, North American archaeology, origins of civilization, introduction to cultural anthropology, and peoples of the world; 4/4 teaching load.

Westminster College (January through May, 2001)

Adjunct instructor, Department of Sociology & Anthropology. Teaching responsibilities included history and methods of archaeology, native cultures of North America, and introduction to cultural anthropology.

University of Missouri (January, 1995 through December, 2000)

2000 Instructor, Department of Anthropology. Teaching responsibilities included general introductory anthropology and fundamentals of archaeology.

2000 (fall) Co-facilitator, Freshman Interest Group Program, College of Arts and Science. Responsibilities included meeting regularly with a group of first-semester freshman with interests in social sciences in collaboration with an advanced undergraduate student leader (peer advisor).

1998 (fall) through 1999 (fall) Research Assistant, Department of Anthropology. Managed department/ Missouri Archaeological Society library. Staffed library with volunteers, rebuilt infrastructure (shelves, tables, etc.), and reorganized holdings (books, journals, and university publication series).

1997 (fall)/1998 (winter) Teaching Assistant, Department of Anthropology. Teaching responsibilities included fundamentals of archaeology labs and assistance with general course materials.

1996 (fall) Peer Advisor, Freshman Interest Group Program, College of Arts and Science. Responsibilities included teaching a weekly seminar on learning skills and general anthropology to a group of first-semester freshmen in collaboration with a faculty advisor (co-facilitator).

1995 (winter) Teaching Assistant, Department of Anthropology. Assisted teaching/grading general anthropology.

#### Courses Taught

Topics in New World Archaeology—University of North Texas: Spring 2005.

Conservation Biology & Resource Management—University of North Texas: Fall 2004.

Archaeological Science (World Prehistory)—University of North Texas: 2004 – 2005.

Archaeology of Texas—University of North Texas: Fall 2004.

Introduction to Museum Studies—Northern Kentucky University: Spring 2004.

Introduction to Cultural Anthropology—Westminster College, GVSU & NKU: 2001 – 2004.

Native Cultures of North America—Westminster College & GVSU: 2001 – 2004.

Origins of Civilization—Grand Valley State University: 2001 – 2002.

Peoples of the World—Grand Valley State University: 2001 – 2002.

North American Archaeology—Grand Valley State University: Fall 2001.

History and Methods of Archaeology—Westminster College: Spring 2001.

Fundamentals of Archaeology—University of Missouri: Fall 2001.

General Anthropology—University of Missouri: Spring 2000.

#### Research

Primary research interests are (i) North American prehistory, (ii) the role of zooarchaeology in conservation biology, (iii) methods of archaeofaunal analysis including prey morphology and mortality, utility and transport, and taphonomy, (iv) archaeological method and theory including evolutionary archaeology, (v) and paleoecology of North America.

#### Research in Progress

Wolverton, S. (in revision, *Journal of Human Evolution*, Fall 2005). "Natural-Trap Ursid Mortality and the Kurtén Response."

Wolverton, S. (in preparation to be submitted to the *Journal of Taphonomy*, Fall 2005). "Immaturity and Configuration in Vertebrate Taphonomy."

Wolverton, S. (in preparation: to be submitted to *Quaternary Research*). "Late Quaternary Black Bear (*Ursus americanus*) Size in the Midwest of North America."

#### Grants, Contracts, & Awards

Geo-Marine, Inc. Research Contract. Analysis of archaeofaunal remains from survey of historic Mission sites near San Antonio, Texas (2005)

Geo-Marine, Inc. Research Contract. Analysis of archaeofaunas from five prehistoric sites in Louisiana. (2004).

University of Missouri Graduate Professional Council Student Travel Grant: Partial reimbursement for attendance of the Society for American Archaeology Conference in New Orleans, LA (2001).

National Science Foundation Dissertation Improvement Grant: "Holocene Human Prey Acquisition in Central Missouri," \$10,000 (2000).

American Quaternary Association Travel Grant: Total reimbursement for attendance of the American Quaternary Association conference in Fayetteville, AR (2000).

University of Missouri Graduate Professional Council Travel Grant: Partial reimbursement for attendance of the Society for American Archaeology Conference in Philadelphia, PA (2000).

University of Missouri Graduate Student Association Travel Scholarship: Partial reimbursement for attendance of the Society for American Archaeology Conference in Nashville, TN (1997).

#### Peer-reviewed Publications

Wolverton, S. (2005). "The Effects of the Haysian on Prehistoric Foraging in Missouri." *American Antiquity* 70 :91-106.

Wolverton, S. (2002). "NISP MNE and % W hole in Analysis of Prehistoric Carcass Exploitation." *North American Archaeologist* 23 :85-100.

Wolverton, S. (2002). "Zooarchaeological Evidence of Prairie Taxa in Central Missouri During the mid-Holocene." *Quaternary Research* 58 :200-204.

Lyman, R.L. and Wolverton, S. (2002). "The Late Prehistoric/Early Historic Game Sink in the Northwestern United States." *Conservation Biology* 16 :73-85.

Wolverton, S. (2001). "Caves, Urns, and Artifacts: A Natural Trap Hypothesis." *Journal of Ethnobiology* 21 :55-72.

Wolverton, S. and Lyman, R.L. (2000). "Immanence and Configuration in Analogical Reasoning." *North American Archaeologist* 21 :233-247.

Lyman, R.L., Wolverton, S. and M.J. O'Brien (1998). "Seriation, Superposition, and Interdigitation: A History of Americanist Graphic Depictions of Culture Change." *American Antiquity* 63 :239-261.

Wolverton, S. and Lyman, R.L. (1998). "Measuring Late Quaternary Urnid Diutination in the Midwest." *Quaternary Research* 49 :322-329.

#### Reports & Book Reviews

Wolverton, S. (2005). "Zooarchaeological Analysis of the Mission Reach Survey Faunal Remains." Report Submitted to Geo-Marine, Inc., Plano, TX.

Wolverton, S. (2004). "Vertebrate Zooarchaeology of Sites 16B0454, 16B0476, 16B0477, & 16B0531: Barksdale Air Force Base, Louisiana." Report Submitted to Geo-Marine, Inc., Plano, TX.

Wolverton, S. (2004). "Vertebrate Zooarchaeology of Sites 16B0458 & 16B0473: Barksdale Air Force Base, Louisiana." Report Submitted to Geo-Marine, Inc., Plano, TX.

Wolverton, S. (2002). "Archaeofaunal Remains from a Royal Burial at Ek Balam, Yucatán, Mexico." Report submitted to the Laboratory of Skeletal Anthropology, Universidad Autónoma del Yucatán, Mérida, Mexico.

Wolverton, S. (2002): Editor, The 2002 Archaeological Investigation of Site 12M a648 at Fort Harrison State Park, Marion County, Indiana A Continuing Assessment and Summary of the NSEAP Research Project. Report Submitted to the Indiana DNR, Division of Historic Preservation and Archaeology.

Cole, E. and Wolverton, S. (2002). "An Analysis of Construction Materials at 12M a648 to Determine the High Probability Test Areas for Architectural Remnants." pp. 51 - 53 in The 2002 Archaeological Investigation of Site 12M a648 at Fort Harrison State Park, Marion County, Indiana A Continuing Assessment and Summary of the NSEAP Research Project, edited by S. Wolverton.

Love, E. and Wolverton, S. (2002). "The Old, The New, or The Bulldozed?" pp. 57 - 59 in The 2002 Archaeological Investigation of Site 12M a648 at Fort Harrison State Park, Marion County, Indiana A Continuing Assessment and Summary of the NSEAP Research Project, edited by S. Wolverton.

Wolverton, S. (2002). "Review of The Rise and Fall of Culture History," by R. L. Lyman, M. J. O'Brien, and R. C. Dunnell. *Journal of the History of the Behavioral Sciences* 38:67-69.

Wolverton, S. and Dawant, C. M. (2000). "Paradigmatic Classification of the Bone Tools from the Tony Glas Site." In *The Tony Glas Site*, edited by W. R. Wood. *North Dakota Archaeology* 7:75-83.

Dawant, C. M. and Wolverton, S. (2000). Description of the Bone Tools from the Tony Glas Site." In *The Tony Glas Site*, edited by W. R. Wood. *North Dakota Archaeology* 7:30-42.

Wolverton, S. (1999). "Zooarchaeology of the Crabtree Site (23CL164)." Report submitted to the Missouri Department of Transportation, Jefferson City.

#### Symposia & Invited Lectures

Wolverton, S. "Extinctions in Texas: Using Archaeology in Wildlife Conservation." (October 2005). Invited Lecture, Plano Conservancy for Historic Preservation, Inc. and Geo-Marine, Inc., Plano, Texas.

Wolverton, S. "Paleontological and Archaeological Animal Remains and Biological Conservation in Central Texas." (January 2005). Invited Lecture, The Nature Conservancy, Medina, Texas.

Wolverton, S. w/P. Killoran. "Taphonomy in Archaeology and Forensics." (January 2004). Invited Lecture, Department of Anthropology, Ball State University, Muncie, Indiana.

Wolverton, S. "Climate Change and Human Predation during the Holocene in the Midwest." (January 2004). Invited Lecture, Central Ohio Valley Archaeological Society, Cincinnati, Ohio.

Wolverton, S. "Prey Availability and Climate Change during the Holocene in the Midwest." (March 2003). Invited Lecture, Department of Anthropology, Michigan State University, Lansing, Michigan.

Wolverton, S. "Humans as Predators during the Holocene in the Central Midwest." (February 2003). Invited Lecture, Coffenbury Chapter of the Michigan Archaeological Society and the AIA: West Michigan Society, Allendale, Michigan.

Wolverton, S. and Gidden, K. C. (Chairs) "The Next Step Education through Archaeology Project: Investigations at 12M a648, Marion County, Indiana." Symposium at the 2002 Midwest Archaeology Conference, Columbus, Ohio.

#### Posters

"White-tailed Deer Mortality and Carcass Use during the Holocene in Central Missouri," poster presented at the 69<sup>th</sup> annual meeting of the Society for American Archaeology, Montreal, Quebec (2004).

"Humans as Predators in the Central Midwest: Holocene Biogeography and Foraging Strategies," poster presented at the 68<sup>th</sup> annual meeting of the Society for American Archaeology, Milwaukee, WI (2003).

"Analysis of Historic Artifact Distributions at 12M a648: Marion County, Indiana," (w/J. Freeman) poster presented at the 68<sup>th</sup> annual meeting of the Society for American Archaeology, Milwaukee, WI (2003).

"Zooarchaeological Mortality Patterns: Modeling Environmental and Predation Effects," poster presented at the 67<sup>th</sup> annual meeting of the Society for American Archaeology, Denver, CO (2002).

"Mid-Holocene Human/Prey Relations in Central Missouri," poster presented at the 66<sup>th</sup> annual meeting of the Society for American Archaeology, New Orleans, LA (2001).

"Urns, Artifacts, and Caves: Mortality Implications," poster presented at the 7<sup>th</sup> annual meeting of the Midwest Bioarchaeology and Forensic Anthropology Association, Columbia, MO (2000).

"Trends in Small Game: Graham Cave, A mold Research Cave, and Rodger's Shelter during the Hypsithermal Episode," poster presented at the 16<sup>th</sup> biennial meeting of the American Quaternary Association, Fayetteville, AR (2000).

"Body and Tooth Size Diminution among Midwestern Black Bears as Paleoenvironmental Indicators: Evidence from Lawson Cave, Missouri," poster presented at the 62<sup>nd</sup> annual meeting of the Society for American Archaeology, Nashville, TN (1997).

#### Papers

"Natural-trap Urnid Mortality and the Kertén Response," paper at the 70<sup>th</sup> annual meeting of the Society for American Archaeology, Salt Lake City, Utah (2005).

"The Distribution of Prehistoric and Historic Artifacts at 12M a648: An Evaluation of Site Integrity and Function," with E. Love and E. Cole, paper at the Midwest Archaeology Conference, Columbus, Ohio (2002).

"Prairie Taxa at A mold Research Cave," paper at the annual meeting of the Missouri Archaeological Society, Columbia, Missouri (2001).

"Small Game Use during the Hypsithermal in Central Missouri," paper at the 65<sup>th</sup> annual meeting of the Society for American Archaeology, Philadelphia, PA (2000).

"Small Game from Graham Cave, A mold Research Cave, and Rodger's Shelter during the Hypsithermal Episode," paper at the University of Missouri Research and Creative Activities Forum, Columbia, MO (2000).

"The Applicability of Paleobiological Systematics to the Archaeological Record," with R. L. Lyman, M. J. O'Brien, and J. Darwent, paper at the 64<sup>th</sup> annual meeting of the Society for American Archaeology, Chicago, IL (1999).

"Scapula Hone Manufacture and Use," with C. M. Darwent, paper at the annual meeting of the Missouri Archaeological Society, Columbia, Missouri (1997).

"The Fordian Graphing Technique: Tracing Artifact Variation," paper at the University of Missouri Research and Creative Activities Forum, Columbia, MO (1997).

#### Field Experience

Director, UNT Archaeological Field School (Summer 2005)

Directed undergraduate field course at the Marilyn Dahlin site (41W 538) in Wise County, Texas. Course included training students in survey and excavation methods as well as in the use of field equipment. The course also involved detailed consideration of local and regional culture history and environments, including analysis of local geology and soils. Students were expected to master all aspects of field training and synthesize these skills in a term paper on the field project.

Research Director, Next Step Education through Archaeology Project (Summer 2002)

Directed field-school Phase II investigation of site 12M 648 Marion County, Indiana. The program consisted of twelve staff members (graduate and undergraduate students from Indiana universities) who taught local high-school students archaeological field methods. Staff mentored field-school-student research projects that are included in an edited report submitted to the Indiana Department of Historic Preservation and Archaeology. Responsibilities of the research supervisor included managing the staff, preparing and editing the 2002 field report, mentoring high school, field-school students in research, and organization of a symposium on site research (presented by the staff) at the Midwest Archaeology Conference, which included mentoring staff members in their research.

Cultural Resources Intern, Missouri Department of Transportation (Summer 2001)

Served as a field assistant during extensive archaeological survey of numerous planned highway right-of-ways and bridge replacements throughout the state of Missouri. Work included shovel-testing, auger-testing, and limited test excavation.

Field Intern, Denver Museum of Nature and Science (August 2000)

Assisted directors of a large-scale paleontological block excavation at the Bones Galore site (Oligocene/Miocene) in northeast Colorado. Responsibilities included establishing horizontal grid lines for excavation area, assistance with supervision of a large volunteer field crew, and excavation and field preservation of paleontological materials.

Field Intern, Crow Canyon Archaeological Center (Summer 1997)

Rated as the top field internship in archaeology during year of appointment. Assisted directors of an extensive test excavation of Yellow Jacket Pueblo near Cortez, Colorado. Responsibilities included excavating complex stratified architectural deposits, brief use of total station to establish horizontal proveniences, and interaction with students attending field and lab classes at the center.

Field Assistant, United States Construction and Engineering Research Laboratory (Summer 1996)

USACERL was engaged in cultural-resource impact assessment of the United States Army at Fort Riley, Kansas. Responsibilities included survey and test excavation of impacted prehistoric and historic sites.

Work included non-intrusive survey methods (e.g., magnetic resonance and resistivity) and site location and mapping using total station and hand-held GPS.

#### Field Courses (1991 through 1993)

- 1993 Arizona State University Archaeological Field School: Quarai Pueblo, New Mexico.
- 1991 California Polytechnic State University Historical Archaeology Field School, Mission San Antonio de Padua, California.
- 1991 Arizona State University Field Methods Course: Tonto River Basin, Arizona.

#### Lab Experience

Consulting Faunal Analyst for Geo-Marine, Inc. (2004 to present)

This work consists of small faunal analysis projects that Geo-Marine, Inc. cannot do with its own personnel. Analysis comprises taxonomic and element identifications, taphonomic assessment of faunal samples, and summary in a short report that assess the archaeological value of the fauna under examination.

Faunal Analyst, Ek Balam, Yucatán, Mexico

Analysis of archaeofaunal assemblage from royal burial. Included complete identification of mammalian, reptilian, and marine remains interred with the human burial. Investigated behavioral ecology and dietary significance of taxa represented in the burial.

Faunal Analyst, Arnold Research Cave (23CY64), MO. (1997 through 2001)

Ph.D. dissertation research on Holocene rockshelter fauna from central Missouri. Included complete rehabilitation and re-curation of entire artifact collection from the cave housed at the University of Missouri Museum Support Center, identification of faunal remains (approximately 6,000 identifiable remains), and critical zooarchaeological analysis of the fauna. Research included formulation of a model to interpret environmental change during the Holocene in the vicinity of the shelter, relative abundance analysis of small prey remains from the site, biogeography of prairie taxa represented at the cave, and morphometric analysis of white-tailed deer body size during the Holocene.

Faunal Analyst and Taphonomist, Crabtree Site (23CL164), MO. (1998)

Identified and reported fauna under contract with the Missouri Department of Transportation. Work included basic identification of bone fragments to element and taxon as well as taphonomic assessment of the fauna.

Student Assistant Professional, Museum Support Center, University of Missouri. (1995 through 1997)

Rehabilitation of archaeological collections housed at the University of Missouri Museum Support Center. Upgraded collections to acid free plastic and paper storage materials.

Faunal Analyst, Tony Glas Site (32EM3), ND [w/ C. Darwent]. (1996)

Assisted with taxonomic identification of bone tools recovered from the site. Developed paradigmatic classification of bone tools based on element used and use-wear exhibited.

Faunal Analyst and Taphonomist, Lawson Cave, MO (paleontological). (1994 through 1996)

M.A. thesis research on a faunal collection excavated from a natural trap in central Missouri. Black-bear remains were predominant in the collection; taphonomic work focused on the effects of ursids on the fauna and analytical documentation of the site as a trap as opposed to a den. Research also included morphometric analysis of the ursid remains in relation to bears from other regions of North America and evaluation of ursid mortality data.

### Service Experience

- Member, Building Citizens Committee, UNT Fall 2005.
- Co-organizer, Research Seminar Series, Department of Geography, UNT Fall 2005.
- Organizer, Research Seminar Series, Department of Geography, UNT Spring 2005.
- NKU Museum of Anthropology Holiday Food Drive, NKU, 2003/04.
- Faculty Co-coordinator, Student Anthropology Association, NKU, 2003/04.
- Faculty Co-coordinator, Undergraduate Anthropology Club, GV SU, 2001/02.
- President, Anthropology Students Association, University of Missouri, 1998/99.
- Secretary, Graduate Professional Council, University of Missouri, 1998/99.
- Member, Minority Affairs Committee, University of Missouri, 1998/99.
- At-Large Representative, Graduate Professional Council, 1997/98.
- Member, Graduate Studies Committee, Department of Anthropology, U. Missouri. 1997/98.

### Other

- Recipient, Academic Achievement Scholarship, University of North Texas (2004 & 2005).
- Ad hoc reviewer for the International Journal of Osteoarchaeology
- Ad hoc reviewer for Northwest Science.
- Recipient, Graduate Student Paper Award, Dept. Anthropology, University of Missouri (2000).
- Second Place, Behavioral Science Paper Competition: RCAF, University of Missouri (2000).
- Recipient, Graduate Student Scholarship, Dept. Anthropology, University of Missouri (1994/95).
- Honors College Graduate, Arizona State University (1994).
- Dean's List, College of Liberal Arts and Science, Arizona State University (1990 through 1994).
- Recipient, Tuition Scholarship, Arizona Board of Regents (1990 through 1994).
- Member (Junior Inductee), Phi Beta Kappa Honor Society (1993).
- Member, Golden Key National Honor Society (1993).
- Recipient, Book Scholarship, National Honor Society (1990 through 1992).
- Member, Alpha Lambda Delta Honor Society (1990).