

**R. LEE LYMAN**  
**CURRICULUM VITA**  
April 4, 2011

I. Biographical Information

Date of Birth: January 13, 1951

Place of Birth: Dayton, Washington (U.S.A.)

Marital Status: Married, Barbara M. Hodapp, January 26, 1974

Children: John David Lyman and Michael Paul Lyman

II. Formal Education

1982 Ph.D., June, University of Washington

Major: Anthropology

Dissertation Title: The Taphonomy of Vertebrate Archaeofaunas

1976 M.A., June, Washington State University

Major: Anthropology

Thesis Title: A Cultural Analysis of Faunal Remains from the Alpowa Locality

1973 B.A., June, Washington State University

Major: Anthropology

III. Academic Appointments

Chair, Department of Anthropology, University of Missouri–Columbia;

August 15, 2000 – present

Professor, Department of Anthropology, University of Missouri-Columbia;

August 21, 1995 – present

Associate Professor, Department of Anthropology, University of Missouri-

Columbia; August 25, 1989 – August 20, 1995

Assistant Professor, Department of Anthropology, University of Missouri-

Columbia; August 16, 1986 – August 25, 1989

Assistant Professor, Department of Anthropology, Oregon State University;

September 15, 1982 – August 15, 1986

IV. Grants, Awards, Distinctions

April 1, 2011: Awarded the Society for American Archaeology Fryxell Award for Interdisciplinary Research (Zoological Sciences)

July 2009–August 2012: National Science Foundation: “Pleistocene–Holocene Transition Era Human Subsistence and Paleoecology at Marmes Rockshelter, Southeastern Washington” [\$130,996]

December 2009–August 2010: MU Research Council: “Direct Comparison of Fluorine Dating and Radiocarbon Dating Results” [\$3325]

2004: Keynote Speaker, in Honor of Patrick J. Munson’s retirement, Indiana University

2004: Alaska Consortium of Zooarchaeologists, Workshop Leader, Whitehorse, Yukon

2002: William D. Lipe (first) Visiting Scholar in Archaeological Method and Theory, Washington State University

- 2001: University of Missouri Chancellor's Award for Outstanding Research and Creative Activity in Biological Sciences
- 2000–01: National Science Foundation Doctoral Dissertation Improvement Grant: "Holocene Human Prey Acquisition in Central Missouri" (S. Wolverton) [\$10,000]
- 1999: University of Missouri Research Council: "Prehistoric Mammalian Biogeography and Modern Wildlife Management" [\$2640]
- 1998–99: University of Missouri Graduate School, Gold Chalk Award for Graduate Student Advising and Instruction
- 1993: University of Missouri Research Council; "Prehistoric Butchery of Large Mammals in the Pacific Northwest" [\$2990]
- 1990: Smithsonian Institution Short-Term Visitor's Grant; "Zooarchaeology of the Oregon Coast: Continuing Studies" [\$968]
- 1987: Infotec Research, Inc., "Zooarchaeology of Elk Creek Sites" [\$8640]
- 1987: Archaeological and Historical Services, Eastern Washington University, "Zooarchaeology of Selected Sites" [\$15,000]
- January 1986: Association of Oregon Archaeologists; "Radiocarbon Dating of the Whale Cove Site (35LNC60)" [\$200]
- September 1985 – June 1986: U.S. Department of Commerce, N.O.A.A. Sea Grant; "Identification and Analysis of the Umpqua/Eden (35DO83) Mammalian Fauna: Zooarchaeological Studies on the Central Oregon Coast" [\$25,000]
- 1983: U.S. National Guard, "Archaeological Evaluation of the Redmond Training Area" [\$25,000]

## V. Publications

### A. Books (edited and authored)

- Wolverton, S., and R. L. Lyman (editors). n.d. *Conservation Biology and Applied Zooarchaeology*. University of Arizona Press, Tucson. In press.
- Lyman, R. L. 2008. *Quantitative Paleozoology*. Cambridge University Press, Cambridge.
- Lyman, R. L., and M. J. O'Brien. 2006. *Measuring Time with Artifacts: A History of Methods in American Archaeology*. University of Nebraska Press, Lincoln.
- O'Brien, M. J., R. L. Lyman, and M. B. Schiffer. 2005. *Archaeology as a Process: Processualism and Its Progeny*. University of Utah Press, Salt Lake City.
- Lyman, R. L., and K. P. Cannon (editors). 2004. *Zooarchaeology and Conservation Biology*. University of Utah Press, Salt Lake City.
- O'Brien, M. J., and R. L. Lyman. 2003. *Cladistics and Archaeology*. University of Utah Press, Salt Lake City. [a *Choice* Outstanding Academic Book]
- O'Brien, M. J., and R. L. Lyman (editors). 2003. *Style, Function, Transmission: Evolutionary Archaeological Perspectives*. University of Utah Press, Salt Lake City.

Lyman, R. L., and M. J. O'Brien. 2003. *W. C. McKern and the Midwestern Taxonomic Method*. University of Alabama Press, Tuscaloosa.

O'Brien, M. J., and R. L. Lyman (editors). 2001. *Setting the Agenda in American Archaeology: The National Research Council Archaeological Conferences of 1929, 1932, and 1935*. University of Alabama Press, Tuscaloosa.

O'Brien, M. J., and R. L. Lyman. 2000. *Applying Evolutionary Archaeology: A Systematic Approach*. Kluwer Academic/Plenum Press, New York. [Korean translation published in 2009]

O'Brien, M. J., and R. L. Lyman (editors). 1999. *Measuring the Flow of Time: The Works of James A. Ford, 1935–1941*. University of Alabama Press, Tuscaloosa.

O'Brien, M. J., and R. L. Lyman. 1999. *Seriation, Stratigraphy, and Index Fossils: The Backbone of Archaeological Dating*. Kluwer Academic/Plenum Press, New York.

O'Brien, M. J., and R. L. Lyman. 1998. *James A. Ford and the Growth of Americanist Archaeology*. University of Missouri Press, Columbia.

Lyman, R. L. 1998. *White Goats, White Lies: The Abuse of Science in Olympic National Park*. University of Utah Press, Salt Lake City.

Lyman, R. L., M. J. O'Brien, and R. C. Dunnell. 1997. *The Rise and Fall of Culture History*. Plenum Press, New York. [a *Choice* Outstanding Academic Book]

Lyman, R. L., M. J. O'Brien, and R. C. Dunnell (editors). 1997. *Americanist Culture History: Fundamentals of Time, Space, and Form*. Plenum Press, New York.

Lyman, R. L. 1994. *Vertebrate Taphonomy*. Cambridge University Press, Cambridge.

Lyman, R. L. 1991. *Prehistory of the Oregon Coast: The Effects of Excavation Strategies and Assemblage Size on Archaeological Inquiry*. Academic Press, San Diego.

#### B. Refereed and Solicited Journal Articles and Book Chapters

Lyman, R. L. n.d. Biodiversity, Paleozoology, and Conservation Biology. In *Paleontology in Ecology and Conservation*, edited by Julien Louys. Springer-Verlag, Berlin. In press.

Lyman, R. L. n.d. Paleozoology Is Valuable to Conservation Biology. In *Applied Archaeology, Historical Ecology and the Useable Past*, edited by Daryl Stump and Christian Isendahl. Left Coast Press, Walnut Creek, CA. In press.

- Lyman, R. L. n.d. Lewis R. Binford's Impact on Zooarchaeology: A Consideration of Two Volumes (and assorted other things) that Altered the Way We Think about the Bones of Human Prey. *Ethnoarchaeology*, in press.
- Lyman, R. L. n.d. Bone Density and Bone Attrition. In *Manual of Forensic Taphonomy*, edited by James T. Pokines and Steven A. Symes. CRC Press, Boca Raton, FL. In press.
- Lyman, R. L. 2012. Rodent-Prey Content in Long-term Samples of Barn Owl (*Tyto alba*) Pellets from the Northwestern United States Reflects Local Agricultural Change. *American Midland Naturalist* 167, in press.
- Lyman, R. L. n.d. A Historical Sketch on the Concepts of Archaeological Association, Context, and Provenience. *Journal of Archaeological Method and Theory*, in press.
- Lyman, R. L. n.d. Applied Zooarchaeology: History, Value, and Application. In *Conservation Biology and Applied Zooarchaeology*, edited by S. Wolverton and R. L. Lyman. University of Arizona Press, Tucson.
- Wolverton, S., R. L. Lyman, and C. R. Randklev. n.d. Introduction to Applied Zooarchaeology. In *Conservation Biology and Applied Zooarchaeology*, edited by S. Wolverton and R. L. Lyman. University of Arizona Press, Tucson.
- Lyman, R. L. n.d. Graphing Evolutionary Pattern in Stone Tools to Reveal Evolutionary Process. In *Evolutionary Approaches to Understanding Stone Technologies*, edited by N. B. Goodale and W. A. Andrefsky. Cambridge University Press, Cambridge.
- VanPool, T., M. J. O'Brien, and R. L. Lyman. n.d. Innovation and Natural Selection of Paleoindian Projectile Points. In *Evolutionary Approaches to Understanding Stone Technologies*, edited by N. B. Goodale and W. A. Andrefsky. Cambridge University Press, Cambridge.
- Beary, M. O., and R. L. Lyman. n.d. The Use of Taphonomy in Forensic Anthropology: Past Trends and Future Prospects. In *A Companion to Forensic Anthropology and Archaeology*, edited by D. C. Dirkmaat. Wiley-Blackwell, Malden, MA.
- Lyman, R. L. 2011. Paleozoological Data Suggest Euroamerican Settlement Did Not Displace Ursids and North American Elk from Lowlands to Highlands. *Environmental Management* 47:899–906.
- Lyman, R. L. 2011. A History of Paleoecological Research on Sea Otters and Pinnipeds of the Eastern Pacific Rim. In *Human Impacts on Seals, Sea Lions and Sea Otters: Integrating Archaeology and Ecology in the Northeast Pacific*, edited by T. J. Braje and T. C. Rick, pp. 19–40. University of California Press, Berkeley.
- Lyman, R. L. 2011. Paleoecological and Biogeographical Implications of Late Pleistocene Noble Marten (*Martes americana nobilis*) in Eastern Washington State,

U.S.A. *Quaternary Research* 75:176–182.

O'Brien, M. J., R. L. Lyman, A. Mesoudi, and T. L. VanPool. 2010. Cultural Traits as Units of Analysis. *Philosophical Transactions of the Royal Society B* 365:3797–3806.

Lyman, R. L. 2010. Taphonomy, Pathology and Paleoecology of the Terminal Pleistocene Marmes Rockshelter (45FR50) “Big Elk” (*Cervus elaphus*), Southeastern Washington State, USA. *Canadian Journal of Earth Sciences* 47:1367–1382.

Lyman, R. L. 2010. American Archaeology Textbooks as Reflections of the History of the Discipline. *North American Archaeologist* 31:1–25.

Lyman, R. L. 2010. Until All the Data Are In: A Chapter in the History of American Archaeology. *Journal of Anthropological Research* 66:505–526.

Lyman, R. L. 2010. Paleozoology's Dependence on Natural History Collections. *Journal of Ethnobiology* 30:126–136.

Lyman, R. L. 2010. Mandibular Hypodontia and Osteoarthritis in Prehistoric Bighorn Sheep (*Ovis canadensis*) in Eastern Washington State, USA. *International Journal of Osteoarchaeology* 20:396–404.

Lyman, R. L. 2010. Prehistoric Anthropogenic Impacts to Local and Regional Faunas Are Not Ubiquitous. In *The Archaeology of Anthropogenic Environments*, edited by Rebecca M. Dean. Center for Archaeological Investigations Occasional Paper No. 37, pp. 204–224. Southern Illinois University Press, Carbondale.

Lyman, R. L. 2010. What Taphonomy Is, What It Isn't, and Why Taphonomists Should Care about the Difference. *Journal of Taphonomy* 8:1–16.

Lyman, R. L. 2010. New Record of Moose (*Alces alces*) in Southeastern Washington State. *Northwest Science* 84:98–101.

Lyman, R. L., and T. L. VanPool. 2009. Metric Data in Archaeology: A Study of Intra-analyst and Inter-analyst Variation. *American Antiquity* 74:485–504.

Wolverton, S., R. L. Lyman, J. H. Kennedy, and T. W. La Point. 2009. The Terminal Pleistocene Extinctions in North America, Hypermorphosis Evolution, and the Dynamic Equilibrium Model. *Journal of Ethnobiology* 29:28–63.

O'Brien, M. J., and R. L. Lyman. 2009. Darwinism and Historical Archaeology. In *The International Handbook of Historical Archaeology*, edited by T. Majewski and D. Gaimster, pp. 227–252. Springer, New York.

Lyman, R. L., T. L. VanPool, and M. J. O'Brien. 2009. The Diversity of North American Projectile-Point Classes, Before and After the Bow and Arrow. *Journal of Anthropological Archaeology* 28:1–13.

Lyman, R. L. 2009. Graphing Evolutionary Pattern and Process: A History of Techniques in Archaeology and Paleobiology. *Journal of Human Evolution* 56:192–204.

Lyman, R. L. 2009. The Holocene History of Bighorn Sheep (*Ovis canadensis*) in Eastern Washington State, Northwestern USA. *The Holocene* 19:143–150.

Lyman, R. L. 2008. Spondyloarthropathy in Cervical Vertebrae of Late Prehistoric Black Bear from Northwestern Oregon, USA. *Ursus* 19:194–197.

Lyman, R. L. 2008. Climatic Implications of Latest Pleistocene and Earliest Holocene Mammalian Sympatries in Eastern Washington State, USA. *Quaternary Research* 70:426–432.

Lyman, R. L., T. L. VanPool, and M. J. O'Brien. 2008. Variation in North American Dart Points and Arrow Points When One or Both Are Present. *Journal of Archaeological Science* 35:2805–2812.

Lyman, R. L. 2008. (Zoo)Archaeological Refitting: A Consideration of Methods and Analytical Search Radius. *Journal of Anthropological Research* 64:229–248.

Lyman, R. L. 2008. Estimating the Magnitude of Data Asymmetry in Paleozoological Biogeography. *International Journal of Osteoarchaeology* 18:85–94.

Lyman, R. L. 2008. Culture: Concept and Definitions. In *Encyclopedia of Archaeology*, edited by D. Pearsall, pp. 1070–1075. Elsevier, Oxford.

Lyman, R. L. 2008. Cultural Transmission in North American Anthropology and Archaeology, ca. 1895–1965. In *Cultural Transmission and Archaeology: Issues and Case Studies*, edited by M. J. O'Brien, pp. 10–20. Society for American Archaeology, Washington, D.C.

O'Brien, M. J., R. L. Lyman, M. Collard, C. J. Holden, R. D. Gray, and S. J. Shennan. 2008. Phylogenetics and the Evolution of Cultural Diversity. In *Cultural Transmission and Archaeology: Issues and Case Studies*, edited by M. J. O'Brien, pp. 39–58. Society for American Archaeology, Washington, D.C.

Lyman, R. L., and M. J. O'Brien. 2007. Los Objetivos de la Arqueología Evolucionista: Su Historia y Explicación. In *Clásicos de Teoría Arqueológica Contemporánea*, edited by V. D. Horwitz, pp. 213–287. Sociedad Argentina de Antropología, Buenos Aires. [translation of Lyman and O'Brien 1998 "The Goals of Evolutionary Archaeology: History and Explanation"]

O'Brien, M. J., R. L. Lyman, and R. D. Leonard. 2007. ¿Qué es evolución? Respuesta a Bamforth. In *Clásicos de Teoría Arqueológica Contemporánea*, edited by V. D. Horwitz, pp. 213–287. Sociedad Argentina de Antropología, Buenos Aires. [translation of O'Brien, Lyman and Leonard 2003 “What is Evolution: A Response to Bamforth”]

Lyman, R. L. 2007. Prehistoric Mink (*Mustela vison*) Trapping on the Northwest Coast (USA). *Journal of Field Archaeology* 32:91–95.

Lyman, R. L., and K. M. Ames. 2007. On the Use of Species-Area Curves to Detect the Effects of Sample Size. *Journal of Archaeological Science* 34:1985–1990.

Lyman, R. L. 2007. The Holocene History of Pronghorn (*Antilocapra americana*) in Eastern Washington State. *Northwest Science* 81:104–111.

Lyman, R. L. 2007. Archaeology's Quest for a Seat at the High Table of Anthropology. *Journal of Anthropological Archaeology* 26:133–149. [quoted on the web site *About: Archaeology*; [archaeology.about.com/od/archaeologistsquotes/qt/quote210.htm](http://archaeology.about.com/od/archaeologistsquotes/qt/quote210.htm)] [a March 11, 2008, advertisement by the publisher—Elsevier—distributed to the membership of the Society for American Archaeology in anticipation of the upcoming annual SAA meeting, indicated that this article was the “most downloaded” from this journal]

Lyman, R. L. 2007. What is the “Process” in Cultural Process and in Processual Archaeology? *Anthropological Theory* 7:217–250.

Lyman, R. L. 2006. Paleozoology in the Service of Conservation Biology. *Evolutionary Anthropology* 15:11–19.

Lyman, R. L. and M. J. O'Brien. 2006. Evolutionary Archaeology is Unlikely to Go Extinct. *World Archaeology* 38:697–703.

Lyman, R. L. 2006. Identifying Bilateral Pairs of Deer (*Odocoileus* sp.) Bones: How Symmetrical is Symmetrical Enough? *Journal of Archaeological Science* 33:1237–1255.

Lyman, R. L. 2006. Archaeological Evidence of Anthropogenically Induced Twentieth-Century Diminution of North American Wapiti (*Cervus elaphus*). *American Midland Naturalist* 156:88–98.

Gompper, M. E., A. E. Petrites, and R. L. Lyman. 2006. Cozumel Island Fox (*Urocyon* sp.) Dwarfism and Possible Divergence History based on Subfossil Bones. *Journal of Zoology* 270:72–77.

Lyman, R. L. 2006. Late Prehistoric and Early Historic Abundance of Columbian White-Tailed Deer, Portland Basin, Washington and Oregon, U.S.A. *Journal of Wildlife Management* 70:278–282.

- Lyman, R. L. 2006. Presentist History as a Means to Overturn Qualified Authority: A (False) Warrant for a New Archaeology in the 1960s and 1970s. *Histories of Anthropology Annual* Vol. 2, edited by R. Darnell and F. W. Gleach, pp. 103–122. University of Nebraska Press, Lincoln.
- Lyman, R. L., and M. J. O’Brien. 2006. Seriation and Cladistics: The Difference between Anagenetic and Cladogenetic Evolution. In *Mapping Our Ancestors: Phylogenetic Approaches in Anthropology and Prehistory*, edited by C. P. Lipo, M. J. O’Brien, S. J. Shennan, and M. Collard, pp. 65–88. Aldine Transaction, New York.
- Lyman, R. L. 2005. Analyzing Cutmarks: Lessons from Artiodactyl Remains in the Northwestern United States. *Journal of Archaeological Science* 32:1722–1732.
- Lyman, R. L., and M. J. O’Brien. 2005. Within-Taxon Morphological Diversity as a Paleoenvironmental Indicator: Late-Quaternary *Neotoma* in the Bonneville Basin, Northwestern Utah. *Quaternary Research* 63:274–282.
- Lyman, R. L., M. J. O’Brien, and M. B. Schiffer. 2005. Publishing Archaeology in Science and Scientific American, 1940 – 2003. *American Antiquity* 70:157–167.
- Lyman, R. L. 2005. Zooarchaeology. In *Handbook of Archaeological Methods*, edited by H. D. G. Maschner and C. Chippendale, pp. 835–870. AltaMira Press, Lanham, Maryland.
- O’Brien, M. J., and R. L. Lyman. 2005. Cultural Phylogenetic Hypotheses in Archaeology: Some Fundamental Issues. In *The Evolution of Cultural Diversity: A Phylogenetic Approach*, edited by R. Mace, C. Holden, and S. Shennan, pp. 85–108. University College London Press, London.
- Lyman, R. L. 2004. The Concept of Equifinality in Taphonomy. *Journal of Taphonomy* 2:15–26.
- Lyman, R. L. 2004. Late-Quaternary Diminution and Abundance of Prehistoric Bison (*Bison* sp.) in Eastern Washington State, U.S.A. *Quaternary Research* 62:76–85.
- Lyman, R. L., and S. E. Mullady. 2004. A “Stone Club” from Southeastern Washington. *Archaeology in Washington* 10:47–55.
- Lyman, R. L., and K. Bassett. 2004. Late-Pleistocene Female *Bison antiquus* from Central Missouri. *Current Research in the Pleistocene* 21:99–100.
- Lyman, R. L., and M. J. O’Brien. 2004. A History of Normative Theory in Americanist Archaeology. *Journal of Archaeological Method and Theory* 11:369–396.
- Lyman, R. L. 2004. Prehistoric Biogeography, Abundance, and Phenotypic Plasticity of Elk (*Cervus elaphus*) in Washington State. In *Zooarchaeology and Conservation Biology*,



edited by R. L. Lyman and K. P. Cannon, pp. 136–163. University of Utah Press, Salt Lake City.

Lyman, R. L., and K. P. Cannon. 2004. Applied Zooarchaeology, Because It Matters. In *Zooarchaeology and Conservation Biology*, edited by R. L. Lyman and K. P. Cannon, pp. 1–24. University of Utah Press, Salt Lake City.

Lyman, R. L. 2004. Identification and Paleoenvironmental Significance of Late Quaternary Ermine (*Mustela erminea*) in the Central Columbia Basin, Washington, Northwestern USA. *The Holocene* 14:553–562.

Lyman, R. L. 2004. Aboriginal Overkill in the Intermountain West of North America: Zooarchaeological Tests and Implications. *Human Nature* 15:169–208.

Lyman, R. L., and K. M. Ames. 2004. Sampling to Redundancy in Zooarchaeology: Lessons from the Portland Basin, Northwestern Oregon and Southwestern Washington. *Journal of Ethnobiology* 24:329–346.

O’Brien, M. J., and R. L. Lyman. 2004. History and Explanation in Archaeology. *Anthropological Theory* 4:173–197.

Lyman, R. L., and M. J. O’Brien. 2004. Nomothetic Science and Idiographic History in Twentieth-Century Americanist Anthropology. *Journal of the History of the Behavioral Sciences* 40:77–96.

Lyman, R. L. 2004. Biogeographic and Paleoenvironmental Implications of Late Quaternary Pygmy Rabbits (*Brachylagus idahoensis*) in Eastern Washington. *Western North American Naturalist* 64:1–6.

O’Brien, M. J., and R. L. Lyman. 2003. Resolving Phylogeny: Evolutionary Archaeology’s Fundamental Issue. In *Essential Tensions in Archaeological Method and Theory*, edited by T. L. VanPool and C. S. VanPool, pp. 115–135. University of Utah Press, Salt Lake City.

Lyman, R. L. 2003. Pinniped Behavior, Foraging Theory, and the Depression of Metapopulations and Nondepression of a Local Population on the Southern Northwest Coast of North America. *Journal of Anthropological Archaeology* 22:376–388.

Lyman, R. L., and M. J. O’Brien. 2003. Cultural Traits: Units of Analysis in Early Twentieth-Century Anthropology. *Journal of Anthropological Research* 59:225–250.

Lyman, R. L., E. Power, and R. J. Lyman. 2003. Quantification and Sampling of Faunal Remains in Owl Pellets. *Journal of Taphonomy* 1:3–14.

Lyman, R. L., and J. Zehr. 2003. Archaeological Evidence of Mountain Beaver (*Aplodontia rufa*) Mandibles as Chisels and Engravers on the Northwest Coast. *Journal of Northwest Anthropology* 37:89–100.

Church, R. R., and R. L. Lyman. 2003. Small Fragments Make Small Differences in Efficiency When Rendering Grease from Fractured Artiodactyl Bones by Boiling. *Journal of Archaeological Science* 30:1077–1084.

O'Brien, M. J., R. L. Lyman, and R. D. Leonard. 2003. What is Evolution? A Response to Bamforth. *American Antiquity* 68:573–580.

Lyman, R. L., and R. J. Lyman. 2003. Lessons from Temporal Variation in the Mammalian Faunas from Two Collections of Owl Pellets in Columbia County, Washington. *International Journal of Osteoarchaeology* 13:150–156.

Lyman, R. L. 2003. The Influence of Time Averaging and Space Averaging on the Application of Foraging Theory in Zooarchaeology. *Journal of Archaeological Science* 30:595–610.

O'Brien, M. J., and R. L. Lyman. 2003. Style, Function, Transmission: An Introduction. In *Style, Function, Transmission: Evolutionary Archaeological Perspectives*, edited by M. J. O'Brien and R. L. Lyman, pp. 1–32. University of Utah Press, Salt Lake City.

O'Brien, M. J., and R. L. Lyman. 2003. Background to an Evolutionary Archaeological Approach in the Lower Mississippi Valley. In *Woodland–Mississippian Transition in the Mid-South: Proceedings of the 22nd Mid-South Archaeological Conference*, edited by C. H. McNutt, S. Williams, and M. D. Jeter, pp. 53–65. University of Memphis Anthropological Research Center, Occasional Paper No. 25.

Lyman, R. L., and M. J. O'Brien. 2003. Measuring and Explaining Change in Artifact Variation with Clade-Diversity Diagrams. In *Style, Function, Transmission: Evolutionary Archaeological Perspectives*, edited by M. J. O'Brien and R. L. Lyman, pp. 265–294. University of Utah Press, Salt Lake City. [REPRINT of a 2000 journal article]

O'Brien, M. J., R. L. Lyman, and R. D. Leonard. 2003. Basic Incompatibilities between Evolutionary and Behavioral Archaeology. In *Readings in American Archaeological Theory: Selections from American Antiquity 1962–2002*, compiled by G. Bawden, pp. 257–270. Society for American Archaeology, Washington, DC. [REPRINT of a 1998 journal article]

Lyman, R. L., and J. L. Harpole. 2002. A. L. Kroeber and the Measurement of Time's Arrow and Time's Cycle. *Journal of Anthropological Research* 58:313–338.

Lyman, R. L. 2002. Taphonomic Agents and Taphonomic Signatures. *American Antiquity* 67:361–365.

- Lyman, R. L. 2002. Cultural Resource Management-Driven Spatial Samples in Archaeology: An Example from Eastern Washington. *Journal of Northwest Anthropology* 36:51–67.
- Lyman, R. L., and S. Wolverton. 2002. The Late Prehistoric–Early Historic Game Sink in the Northwestern United States. *Conservation Biology* 16:73–85. [see *Nature* 416:488–489]
- Lyman, R. L., J. L. Harpole, C. Darwent, and R. Church. 2002. Prehistoric Occurrence of Pinnipeds in the Lower Columbia River. *Northwestern Naturalist* 83:1–6.
- O’Brien, M. J., and R. L. Lyman. 2002. Darwinian Evolutionism in Archaeology: Current Status and Prospects for Synthesis. *Evolutionary Anthropology* 11:26–36.
- O’Brien, M. J., R. L. Lyman, and J. Darwent. 2002. Cladistics and Archaeological Phylogeny. In *Perspectivas Integradoras entra Arqueología: Teoría, Método y Casos de Aplicación*, edited by G. A. Martinez and J. L. Lanata, pp. 175–186. Serie Teónica–Volúmen 1. INCUAPA, UNC.
- O’Brien, M. J., R. L. Lyman, Y. Saab, E. Saab, J. Darwent, and D. S. Glover. 2002. Two Issues in Archaeological Phylogenetics: Taxon Construction and Outgroup Selection. *Journal of Theoretical Biology* 215:133–150.
- Lyman, R. L., and M. J. O’Brien. 2002. Classification. In *Darwin and Archaeology: A Handbook of Key Concepts*, edited by J. P. Hart and J. E. Terrell, pp. 69–88. Bergin & Garvey, Westport, CT.
- O’Brien, M. J., and R. L. Lyman. 2002. Cause. In *Darwin and Archaeology: A Handbook of Key Concepts*, edited by J. P. Hart and J. E. Terrell, pp. 49–67. Bergin & Garvey, Westport, CT.
- Darwent, C., and R. L. Lyman. 2002. Detecting the Postburial Fragmentation of Carpals, Tarsals, and Phalanges. In *Advances in Forensic Taphonomy*, edited by W. D. Haglund and M. H. Sorg, pp. 355–377. CRC Press, Boca Raton.
- O’Brien, M. J., and R. L. Lyman. 2002. The Epistemological Nature of Archaeological Units. *Anthropological Theory* 2:37–56.
- O’Brien, M. J., R. L. Lyman, and J. M. Cogswell. 2002. Culture-Historical Units and the Woodland Southeast: A Case study from Southeastern Missouri. In *The Woodland Southeast*, edited by D. G. Anderson and R. C. Mainfort, Jr., pp. 421–443. University of Alabama Press, Tuscaloosa.
- Lyman, R. L. 2002. Units in Archaeology and Paleontology: Identifying Unknowns. *Missouri Archaeologist* 63:7–20.

- Harpole, J. L., and R. L. Lyman. 2002. Changes in the Fashion of Women's Bonnets, 1831–1895. *Missouri Archaeologist* 63:21–30.
- O'Brien, M. J., J. Darwent, and R. L. Lyman. 2001. Cladistics Is Useful for Reconstructing Archaeological Phylogenies: Paleoindian Points from the Southeastern United States. *Journal of Archaeological Science* 28:1115–1136.
- O'Brien, M. J., and R. L. Lyman. 2001. The National Research Council and Midwestern Archaeology: The St. Louis Meeting of 1929. *Missouri Archaeologist* 62:107–148.
- O'Brien, M. J., and R. L. Lyman. 2001. Introduction. In *Setting the Agenda in American Archaeology: The National Research Council Archaeological Conferences of 1929, 1932, and 1935*, edited by M. J. O'Brien and R. L. Lyman, pp. 1–83. University of Alabama Press, Tuscaloosa.
- Lyman, R. L., and M. J. O'Brien. 2001. The Direct Historical Approach and Analogical Reasoning in Archaeology. *Journal of Archaeological Method and Theory* 8:303–342.
- Lyman, R. L., E. Power, and R. J. Lyman. 2001. Ontogeny of Deer Mice (*Peromyscus maniculatus*) and Montane Voles (*Microtus montanus*) as Owl Prey. *American Midland Naturalist* 146:72–79.
- Lyman, R. L. 2001. Vertebrate Faunal Remains from 45CA426, Component II. *Archaeology in Washington* 8:69–76.
- Lyman, R. L., and M. J. O'Brien. 2001. Introduction. In *Method and Theory in American Archaeology* by G. R. Willey and P. Phillips (edited by R. L. Lyman and M. J. O'Brien), pp. I.1–I.78. University of Alabama Press, Tuscaloosa.
- Lyman, R. L. 2001. Culture Historical and Biological Approaches to Identifying Homologous Traits. In *Style and Function: Conceptual Issues in Evolutionary Archaeology*, edited by T. D. Hurt and G. F. M. Rakita, pp. 69–89. Bergin & Garvey, Westport, CT.
- Lyman, R. L. 2000. A List of Washington State Radiocarbon Dates. *Northwest Anthropological Research Notes* 34:155–215.
- Lyman, R. L. 2000. Radiocarbon Dating in Eastern Washington and in Western Washington. *Northwest Anthropological Research Notes* 34:1–16.
- Lyman, R. L. 2000. Building Cultural Chronology in Eastern Washington: The Influence of Geochronology, Index Fossils, and Radiocarbon Dating. *Geoarchaeology* 15:609–648.
- Wolverton, S., and R. L. Lyman. 2000. Immanence and Configuration in Analogical Reasoning. *North American Archaeologist* 21:233–247.

- O'Brien, M. J., and R. L. Lyman. 2000. Gentle Persuasion: The National Research Council and Southeastern Archaeology. *Journal of Alabama Archaeology* 46:1–42.
- O'Brien, M. J., R. L. Lyman, and J. Darwent. 2000. Time, Space, and Marker Types: Ford's 1936 Chronology for the Lower Mississippi Valley. *Southeastern Archaeology* 19:46–62.
- Lyman, R. L., and M. J. O'Brien. 2000. Chronometers and Units in Early Archaeology and Paleontology. *American Antiquity* 65:691–707.
- Lyman, R. L., and M. J. O'Brien. 2000. Measuring and Explaining Change in Artifact Variation with Clade-Diversity Diagrams. *Journal of Anthropological Archaeology* 19:39–74.
- O'Brien, M. J., and R. L. Lyman. 2000. Evolutionary Archaeology: Reconstructing and Explaining Historical Lineages. In *Social Theory in Archaeology*, edited by M. B. Schiffer, pp. 126–142. University of Utah Press, Salt Lake City.
- O'Brien, M. J., and R. L. Lyman. 2000. Darwinian Evolutionism Is Applicable to Historical Archaeology. *International Journal of Historical Archaeology* 4:71–112.
- O'Brien, M. J., and R. L. Lyman. 1999. Introduction. In *Measuring the Flow of Time: The Works of James A. Ford, 1935–1941*, edited by M. J. O'Brien and R. L. Lyman, pp. 1–57. University of Alabama Press, Tuscaloosa.
- O'Brien, M. J., and R. L. Lyman. 1999. Meeting Theoretical and Methodological Challenges to the Future of Evolutionary Archaeology. *Review of Archaeology* 20(2):14–22.
- Lyman, R. L., and M. J. O'Brien. 1999. Prehistoric Osseous Rods from North America: Arguments on Function. *North American Archaeologist* 20:347–364.
- O'Brien, M. J., and R. L. Lyman. 1999. The Bureau of American Ethnology and Its Legacy to Southeastern Archaeology. *Journal of the Southwest* 41:407–440.
- Harpole, J. L., and R. L. Lyman. 1999. The Holocene Biogeographic History of Elk (*Cervus elaphus*) in Western Washington. *Northwest Science* 73:106–113.
- Lyman, R. L., and M. J. O'Brien. 1999. Americanist Stratigraphic Excavation and the Measurement of Culture Change. *Journal of Archaeological Method and Theory* 6:55–108.
- Lyman, R. L., and M. J. O'Brien. 1998. The Goals of Evolutionary Archaeology: History and Explanation. *Current Anthropology* 39:615–652.

Lyman, R. L., M. J. O'Brien, and V. Hayes. 1998. A Mechanical and Functional Study of Bone Rods from the Richey–Roberts Clovis Cache, Washington, U.S.A. *Journal of Archaeological Science* 25:887–906.

Wolverton, S., and R. L. Lyman. 1998. Measuring Late Quaternary Ursid Diminution in the Midwest. *Quaternary Research* 49:322–329.

O'Brien, M. J., R. L. Lyman, and R. D. Leonard. 1998. Basic Incompatibilities between Evolutionary and Behavioral Archaeology. *American Antiquity* 63:485–498.

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

Lyman, R. L. 1997. Prehistoric Dental Abnormalities in *Microtus* cf. *pennsylvanicus* of Eastern Washington. *Current Research in the Pleistocene* 14:147–149.

Lyman, R. L., and M. J. O'Brien. 1997. The Concept of Evolution in Early Twentieth-Century Americanist Archaeology. In *Rediscovering Darwin: Evolutionary Theory in Archeological Explanation*, edited by C. M. Barton and G. A. Clark, pp. 21–48. Archeological Papers of the American Anthropological Association, No. 7.

Lyman, R. L. 1997. Assessing a Reassessment of Early “Pre-Littoral” Radiocarbon Dates from the Oregon Coast. *Journal of California and Great Basin Anthropology* 19:260–269.

Lyman, R. L. 1997. Impediments to Archaeology: Publishing and the (Growing) Translucency of Archaeological Research. *Northwest Anthropological Research Notes* 31:5–22.

Lyman, R. L., and G. L. Fox. 1997. A Critical Evaluation of Bone Weathering Data as an Indication of Bone Assemblage Formation. In *Forensic Taphonomy: The Postmortem Fate of Human Remains*, edited by W. D. Haglund and M. H. Sorg, pp. 223–247. CRC Press, Boca Raton. [REPRINT of a 1989 journal article]

Savelle, J. M., T. M. Friesen, and R. L. Lyman. 1996. Derivation and Application of an Otariid Utility Index. *Journal of Archaeological Science* 23:705–712.

Dixon, S. L., and R. L. Lyman. 1996. On the Holocene History of Elk (*Cervus elaphus*) in Eastern Washington. *Northwest Science* 70:262–272.

Lyman, R. L. 1996. Applied Zooarchaeology: The Relevance of Faunal Analysis to Wildlife Management. *World Archaeology* 28:110–125.

O'Brien, M. J., and R. L. Lyman. 1996. Site Structure and Sample Context. In *Middle and Late Woodland Subsistence and Ceramic Technology in the Central Mississippi*

*River Valley: Selected Studies from the Burkemper Site, Lincoln County, Missouri*, by M. J. O'Brien, pp. 67–90. Illinois State Museum, Reports of Investigations No. 52. Springfield.

Lyman, R. L. 1995. Zooarchaeology of the Moses Coulee Cave (45DO331) Spoils Pile. *Northwest Anthropological Research Notes* 29:141–176.

Lyman, R. L. 1995. On the Evolution of Marine Mammal Hunting on the West Coast of North America. *Journal of Anthropological Archaeology* 14:45–77.

Lyman, R. L. 1995. Determining When Rare (Zoo)Archaeological Phenomena Are Truly Absent. *Journal of Archaeological Method and Theory* 2:369–424.

Lyman, R. L. 1995. A Study of Variation in the Prehistoric Butchery of Large Artiodactyls. In *Ancient Peoples and Landscapes*, edited by E. Johnson, pp. 233–253. Museum of Texas Tech University, Lubbock.

Lyman, R. L. 1995. Inaccurate Data and the Olympic National Park Mountain Goat Controversy. *Northwest Science* 69:234–238.

Lyman, R. L. 1994. The Olympic Mountain Goat Controversy: A Different Perspective. *Conservation Biology* 8:898–901.

Lyman, R. L. 1994. Relative Abundances of Skeletal Specimens and Taphonomic Analysis of Vertebrate Remains. *Palaios* 9:288–298.

Lyman, R. L. 1994. Quantitative Units and Terminology in Zooarchaeology. *American Antiquity* 59:36–71.

Lyman, R. L. 1993. Density-Mediated Attrition of Bone Assemblages: New Insights. In *From Bones to Behavior*, edited by J. Hudson, pp. 324–341. Center for Archaeological Investigations Occasional Paper No. 21. Southern Illinois University Press, Carbondale.

Lyman, R. L. 1992. Influences of Mid-Holocene Altithermal Climates on Mammalian Faunas and Human Subsistence in Eastern Washington. *Journal of Ethnobiology* 12:37–62.

Lyman, R. L., J. M. Savelle, and P. Whitridge. 1992. Derivation and Application of a Food Utility Index for Phocid Seals. *Journal of Archaeological Science* 19:531–555.

Lyman, R. L., L. E. Houghton, and A. L. Chambers. 1992. The Effect of Structural Density on Marmot Skeletal Part Representation in Archaeological Sites. *Journal of Archaeological Science* 19:557–573.

Lyman, R. L. 1992. Anatomical Considerations of Utility Curves in Zooarchaeology. *Journal of Archaeological Science* 19:7–22.

Lyman, R. L. 1992. Prehistoric Seal and Sea-Lion Butchering on the Southern Northwest Coast. *American Antiquity* 57:246–261.

Lyman, R. L. 1991. Alexander W. Chase and the 19th Century Archaeology and Ethnography of the Southern Oregon and Northern California Coast. *Northwest Anthropological Research Notes* 25:155–256.

Lyman, R. L. 1991. Taphonomic Problems with Archaeological Analyses of Animal Carcass Utilization and Transport. In *Beamers, Bobwhites, and Blue-Points: Tributes to the Career of Paul W. Parmalee*, edited by J. R. Purdue, W. E. Klippel, and B. W. Styles, pp. 125–138. Illinois State Museum Scientific Papers 23. Springfield.

Lyman, R. L. 1991. Late Quaternary Biogeography of the Pygmy Rabbit (*Brachylagus idahoensis*) in Eastern Washington. *Journal of Mammalogy* 72:110–117.

Lyman, R. L. 1991. The Holocene History of the Red Fox (*Vulpes vulpes*) in Eastern Washington. *Northwest Science* 65:22–26.

Lyman, R. L. 1991. Subsistence Change and Pinniped Hunting. In *Human Predators and Prey Mortality*, edited by M. C. Stiner, pp. 189–199. Westview Press, Boulder.

O'Brien, M. J., R. L. Lyman, and T. Holland. 1989. Geoarchaeological Evidence for Prairie-Mound Formation in the Mississippi Alluvial Valley, South-eastern Missouri. *Quaternary Research* 31:83–93.

Lyman, R. L. 1989. Taphonomy of Cervids Killed by the 18 May 1980 Volcanic Eruption of Mount St. Helens, Washington, U.S.A. In *Bone Modification*, edited by R. Bonnicksen and M. Sorg, pp. 149–167. University of Maine Center for the Study of Early Man, Orono.

Lyman, R. L. 1989. Seal and Sea Lion Hunting: A Zooarchaeological Study from the Southern Northwest Coast of North America. *Journal of Anthropological Archaeology* 8:68–99.

Lyman, R. L., and G. L. Fox. 1989. A Critical Evaluation of Bone Weathering Data as an Indication of Bone Assemblage Formation. *Journal of Archaeological Science* 16:293–317.

Lyman, R. L., L. A. Clark, and R. E. Ross. 1988. Harpoon Stone Tips and Sea Mammal Hunting on the Oregon and Northern California Coast. *Journal of California and Great Basin Anthropology* 10:73–87.

Lyman, R. L. 1988. Zoogeography of Oregon Coast Marine Mammals: The Last 3000 Years. *Marine Mammal Science* 4:247–264.



- Lyman, R. L. 1988. Significance for Wildlife Management of the Late Quaternary Biogeography of Mountain Goats (*Oreamnos americanus*) in the Pacific Northwest U.S.A. *Arctic and Alpine Research* 20:13–23.
- Lyman, R. L., and R. E. Ross. 1988. Oregon Coast Archaeology: A Critical History and a Model. *Northwest Anthropological Research Notes* 22:67–119.
- Lyman, R. L. 1988. Was There a "Last Supper" at Last Supper Cave? In *Danger Cave, Last Supper Cave, and Hanging Rock Shelter: The Faunas*, by D. K. Grayson, pp. 81–104. American Museum of Natural History Anthropological Papers 66(1).
- Lyman, R. L., and M. J. O'Brien. 1987. Plow-Zone Zooarchaeology: Fragmentation and Identifiability. *Journal of Field Archaeology* 14:493–498.
- Lyman, R. L. 1987. Zooarchaeology and Taphonomy: A General Consideration. *Journal of Ethnobiology* 7:93–117.
- Lyman, R. L. 1987. On Zooarchaeological Measures of Socioeconomic Position and Cost-Efficient Meat Purchases. *Historical Archaeology* 21:58–66.
- Lyman, R. L. 1987. Hunting for Evidence of Plio-Pleistocene Hominid Scavengers. *American Anthropologist* 89: 710–715.
- Lyman, R. L. 1987. Archaeofaunas and Butchery Studies: A Taphonomic Perspective. In *Advances in Archaeological Method and Theory* Vol. 10, edited by M. B. Schiffer, pp. 249–337. Academic Press, Orlando.
- Lyman, R. L. 1987. On the Analysis of Vertebrate Mortality Profiles: Sample Size, Mortality Type, and Hunting Pressure. *American Antiquity* 52:125–142.
- Lyman, R. L. 1986. On the Analysis and Interpretation of Species List Data in Zooarchaeology. *Journal of Ethnobiology* 6:67–81.
- Lyman, R. L. 1986. On the Holocene History of *Ursus* in Eastern Washington. *Northwest Science* 60:67–72.
- Lyman, R. L. 1985. Bone Frequencies: Differential Transport, *In Situ* Destruction, and the MGUI. *Journal of Archaeological Science* 12:221–236.
- Lyman, R. L. 1985. Cultural Resource Management and Archaeological Research in the Interior Pacific Northwest: A Note to NARN Readers on the Translucency of Northwest Archaeology. *Northwest Anthropological Research Notes* 19:161–168.
- Lyman, R. L. 1984. On the Concepts of "Significance" and "Site": Implications for Inventorying Archaeological Resources. In *Archaeological Inventory and Predictive Modeling in the Pacific Northwest*, edited by R. F. Darsie, J. D. Keyser, and S.

Hackenberger, pp. 31–46. U.S.D.A. Forest Service, Pacific Northwest, Studies in Cultural Resource Management No. 6.

Lyman, R. L. 1984. Predictive Modeling and Cultural Resource Inventories: Examples from Oregon. In *Archaeological Inventory and Predictive Modeling in the Pacific Northwest*, edited by R. F. Darsie, J. D. Keyser, and S. Hackenberger, pp. 85–90. U.S.D.A. Forest Service, Pacific Northwest, Studies in Cultural Resource Management No. 6.

Lyman, R. L. 1984. Broken Bones, Bone Expediency Tools, and Bone Pseudotools: Lessons from the Blast Zone Around Mount St. Helens, Washington. *American Antiquity* 49:315–333.

Lyman, R. L. 1984. A Model of Large Freshwater Clam Exploitation in the Prehistoric Southern Columbia Plateau Culture Area. *Northwest Anthropological Research Notes* 18:97–107.

Lyman, R. L. 1984. Bone Density and Differential Survivorship of Fossil Classes. *Journal of Anthropological Archaeology* 3:259–299.

Lyman, R. L. 1983. Prehistoric Extralimital Records for *Pappogeomys castanops* (Geomyidae) in Northwestern New Mexico. *Journal of Mammalogy* 64:502–505.

Lyman, R. L., and S. D. Livingston. 1983. Late Quaternary Mammalian Zoogeography of Eastern Washington. *Quaternary Research* 20:360–373.

Lyman, R. L. 1982. Archaeofaunas and Subsistence Studies. In *Advances in Archaeological Method and Theory* Vol. 5, edited by M. B. Schiffer, pp. 331–393. Academic Press, New York.

Lyman, R. L. 1980. Inferences from Bone Distributions in Prehistoric Sites in the Lower Granite Reservoir Area, Southeastern Washington. *Northwest Anthropological Research Notes* 14:107–123.

Lyman, R. L. 1980. Bivalve Molluscs in Southern Plateau Prehistory: A Discussion and Description of Three Genera. *Northwest Science* 54:121–136.

Lyman, R. L. 1979. Available Meat from Faunal Remains: A Consideration of Techniques. *American Antiquity* 44:536–546.

Lyman, R. L. 1979. Faunal Analysis: An Outline of Method and Theory with some Suggestions. *Northwest Anthropological Research Notes* 13:22–35.

Lyman, R. L. 1979. *Archaeological Faunal Analysis: A Bibliography*. Occasional Papers of the Idaho Museum of Natural History No. 31. Pocatello.

Lyman, R. L. 1978. Prehistoric Butchering Techniques in the Lower Granite Reservoir, Southeastern Washington. *Tebiwa* 13:1–25.

Lyman, R. L. 1978. *A Cultural Resource Overview of Chelan, Okanogan, and Douglas Counties, North-Central Washington*. Washington Archaeological Society Occasional Papers No. 6. Olympia.

Lyman, R. L. 1977. Analysis of Historic Faunal Remains. *Historical Archaeology* 11:67–73.

#### C. Published Notes, Comments, and Book Reviews

Lyman, R. L. 2011. Comments on Jon Driver's "Identification, Classification, and Zooarchaeology". *Ethnobiology Letters* 2:33–34.

Lyman, R. L. 2010. Review of *Macroevolution in Human Prehistory: Evolutionary Theory and Processual Archaeology*, edited by Anne Marie Prentiss, Ian Kuijit, and James C. Chatters. *Journal of Anthropological Research* 66:554–555.

Lyman, R. L. 2009. Review of *Zooarchaeology*, second edition, by Elizabeth J. Reitz and Elizabeth S. Wing. *International Journal of Osteoarchaeology* 19:652–655.

Lyman, R. L. 2009. Review of *Pattern and Process in Cultural Evolution*, edited by Stephen Shennan. *Quarterly Review of Biology* 84:299.

O'Brien, M. J., and R. L. Lyman. 2009. A Further Note on the East Wenatchee Clovis Site. *Prehistoric American* 42(2):3–6.

Lyman, R. L. 2009. Review of *People and Things: A Behavioral Approach to Material Culture* by James M. Skibo and Michael Brian Schiffer. *Journal of Anthropological Research* 65:113–114.

Lyman, R. L. 2009. Review of *Artifact Classification: A Conceptual and Methodological Approach* by Dwight W. Read. *Journal of Anthropological Research* 65:111–113.

Lyman, R. L. 2007. Review of *Confronting Scale in Archaeology: Issues of Theory and Practice*, edited by G. Lock and B. L. Molyeaux. *Journal of Anthropological Research* 63:569–570.

Lyman, R. L. 2006. Cultural Traits and Cultural Integration. *Behavioral and Brain Sciences* 29:357–358.

Lyman, R. L. 2006. Twenty-Two Years of Near Stasis in Review Time for Journal Manuscripts. *SAA Archaeological Record* 6:34–36.

Lyman, R. L. 2004. Comment on “Zooarchaeological Measures of Hunting Pressure and Occupation Intensity in the Natufian: Implications for Agricultural Origins” by N. Munro. *Current Anthropology* 45 (Supplement):S26–S27.

Lyman, R. L., and R. Wadley. 2003. Sustainable Yield and Conservation Goals. *Science* 301:309.

Lyman, R. L., and M. J. O’Brien. 2003. Comment on “Cultural Diversification and Decimation in the Prehistoric Record” by W. C. Prentiss and J. C. Chatters. *Current Anthropology* 44:50–51.

Lyman, R. L., and M. J. O’Brien. 2002. Letter to the Editor. *Evolutionary Anthropology* 11:220.

Lyman, R. L. 2002. Taxonomic Identification of Zooarchaeological Remains. *The Review of Archaeology* 23(2):13–20.

Lyman, R. L. 2002. Review of *Posing Questions for a Scientific Archaeology*, edited by T. L. Hunt, C. P. Lipo, and S. L. Sterling. *Journal of Anthropological Research* 58:267–268.

Lyman, R. L. 2002. Foreword. In *Advances in Forensic Taphonomy*, edited by W. D. Haglund and M. H. Sorg, pp. xiii–xv. CRC Press, Boca Raton.

Lyman, R. L. 2002. Review of *Assembling the Past: Studies in the Professionalization of Archaeology*, edited by A. B. Kehoe and M. B. Emmerichs. *Journal of the History of the Behavioral Sciences* 38:77–79.

Lyman, R. L., and M. J. O’Brien. 2001. On Misconceptions of Evolutionary Archaeology: Confusing Macroevolution and Microevolution. *Current Anthropology* 42:408–409.

O’Brien, M. J., and R. L. Lyman. 2000. Evolutionary Archaeology and Its Future Directions: A Reply to Kehoe. *The Review of Archaeology* 21(2):39–44.

Lyman, R. L., and M. J. O’Brien. 2000. Comment on “Population, Culture History, and the Dynamics of Culture Change” by S. Shennan. *Current Anthropology* 41:824–826.

Lyman, R. L. 1999. Politics, Book Reviews, Science, and White Lies: A Response to R. Gerald Wright. *Northwest Science* 73:131–134.

Lyman, R. L. 1998. Plateau Ungulates. In *Archaeology of Prehistoric Native America: An Encyclopedia*, edited by G. Gibbon, pp. 666–667. Garland Publishing Inc., Levittown, PA.

Lyman, R. L. 1998. [Letter to the Editor]. *SAA Bulletin* 16(2):3.

- Lyman, R. L. 1998. Phillips for the Record (letter to the Editor). *Anthropology Newsletter* 39(1):8–9.
- Butler, V. L., and R. L. Lyman. 1996. Taxonomic Identifications and Faunal Summaries: What Should We Be Including in Our Faunal Reports? *SAA Bulletin* 14(1):22.
- Lyman, R. L. 1995. Comment on “Intraspecific prey choice by Amazonian hunters” by Michael Alvard. *Current Anthropology* 36:808-809.
- Lyman, R. L. 1994. Who Reviews Archaeology Books? *SAA Bulletin* 12(2):15–16.
- Lyman, R. L. 1992. Review of "The Economic Prehistory of Namu," Simon Fraser University Department of Archaeology Publication No. 19, by Aubrey Cannon. *Canadian Journal of Archaeology* 16:134–136.
- Lyman, R. L. 1990. Review of "Recent Vertebrate Carcasses and Their Paleobiological Implications" by Johannes Weigelt, translated by Judith Schaefer. *American Journal of Physical Anthropology* 82:118–119.
- Lyman, R. L. 1989. Natives or Aliens? Letter to the Editor. *Pacific Discovery* 42(3):3. *Journal of the California Academy of Science*.
- Lyman, R. L. 1988. Reply to K. R. McGuire. *Journal of Ethnobiology* 8:139–140.
- Lyman, R. L. 1985. Comment on L. R. Binford and C. H. Ho's "Taphonomy at a Distance: Zhoukoudian—The Cave Home of Biejing Man?" *Current Anthropology* 26:434.
- Lyman, R. L. 1983. Review of "Ageing and Sexing Animal Bones from Archaeological Sites," edited by B. Wilson, C. Grigson and S. Payne. *Zooarchaeological Research News* 2(4):12.
- Lyman, R. L. 1982. More on Theropithecus at Ologesailie: Age Structure and Mortality. *Current Anthropology* 23:349–351.
- Lyman, R. L. 1982. Nomenclature in Faunal Studies: A Response to Olsen and Olsen. *American Antiquity* 47:179–180.

#### D. Published and Unpublished Contract Reports

- Lyman, R. L. 2011. Zooarchaeology of 45KT674, 45YA303, and 45YA532. Report to Archaeological and Historical Services, Eastern Washington University, Cheney. (25 pages)

Lyman, R. L. 2011. Zooarchaeology of 45LI-31. Report to the Spokane Tribe of Indians, Wellpinit, WA. (13 pages)

Lyman, R. L. 2009. Zooarchaeology of 45CH216. Report to Archaeological and Historical Services, Eastern Washington University, Cheney. (11 pages)

Lyman, R. L. 2009. Faunal Remains from the 2009 Monitoring of Lake Roosevelt, Northeastern Washington State. Report to the Spokane Tribe of Indians, Wellpinit, WA. (4 pages)

Lyman, R. L. 2009. Mammalian Faunal Remains. In *Historical Archaeology at the Middle Village: Station Camp/McGowan Site (45PC106)*, edited by D. C. Wilson. pp. 258–262. National Park Service, Fort Vancouver National Historic Site, Northwest Cultural Resources Institute Report No. 1. Vancouver, Washington.

Lyman, R. L. 2008. Zooarchaeology of 45DO182 and 45DO695. In Data Recovery Excavations at Sites 45DO182 and 45DO695 for the Washington State Department of Transportation's SR28: East End of George Sellar Bridge Project, Douglas County, Washington, by Komen, Dana, Ryan Ives, and Ann Sharley, pp. C.1–C.10. Archaeological and Historical Services Short Report DOT08-01. Eastern Washington University, Cheney.

Lyman, R. L. 2007. Faunal Remains from a Test Pit in the Spokane River Valley. Report to the Spokane Tribe, Wellpinit, WA. (5 pages)

Lyman, R. L. 2006. Zooarchaeology of 45SP266: The Backhoe Collection. Report to the Spokane Tribe, Wellpinit, WA. (15 pages).

Lyman, R. L. 2006. Zooarchaeology of 45PO198 and 45PO560. Report to the Kalispell Tribe, Usk, WA. (13 pages)

Lyman, R. L. 2006. Zooarchaeology of 45SP266. Report to Archaeological and Historical Services, Eastern Washington University, Cheney, WA. (37 pages)

Lyman, R. L. 2006. Mammalian Zooarchaeology of 45CA523. Report to Western Shore Heritage, Inc., Bainbridge Island, WA. (20 pages)

Lyman, R. L. 2005. Zooarchaeology of 45DO182 and 45DO695. Letter to Archaeological and Historical Services, Eastern Washington University, Cheney, WA. (1 page)

Lyman, R. L. 2005. Zooarchaeology of 45CH302. In *Archaeological Investigations at the Stemilt Creek Village Site (45CH302), Chelan County, Washington*, edited by Keo Boreson and Jerry R. Galm, pp. 6.1–6.46. Eastern Washington University Reports in Archaeology and History No. 100-82. Archaeological and Historical Services, Cheney, WA.

- Lyman, R. L. 2005. Zooarchaeology of the Longmound Site (45WT282). Report to the Department of Geography and Anthropology, Eastern Washington University, Cheney, WA. (17 pages)
- Lyman, R. L. 2005. Zooarchaeology of Bird and Mammal Remains from 45SJ165: The 2004 Sample. Report to CH2M-Hill, Corvallis, OR. (18 pages)
- Lyman, R. L. 2004. Descriptive Mammalian, Avian, and Reptilian Zooarchaeology of 35MU44/46. Report to Cascadia Archaeology, Seattle, WA. (17 pages)
- Lyman, R. L. 2003. Zooarchaeology of Three Sites in Island County, Washington. Report to Archaeological and Historical Services, Eastern Washington University, Cheney, WA. (9 pages)
- Lyman, R. L. 2003. Faunal Remains from 10-BR-99. Report to Archaeological and Historical Services, Eastern Washington University, Cheney, WA. (7 pages)
- Lyman, R. L. 2003. Zooarchaeology of 45WT245 (final report). Report to Department of Geography and Anthropology, Eastern Washington University, Cheney, WA. (21 pages)
- Lyman, R. L. 2003. Zooarchaeology of Sentinel Gap (45KT1362). Report to Archaeological and Historical Services, Eastern Washington University, Cheney, WA. (27 pages)
- Lyman, R. L. 2003. Mammalian Zooarchaeology of Cathlapotle (45CL1): Descriptive Paleontology and Taphonomic Analyses. Report to Department of Anthropology, Portland State University, Portland, OR. (65 pages)
- Lyman, R. L. 2003. Mammal, Reptile, and Bird Remains from 45CH433. In *Swiftwater Rockshelters (45CH433): Results of Data Recovery Excavations on the Upper Wenatchee River, Chelan County, Washington*, by R. A. Stevens, pp. C.1–C.24. Eastern Washington University Reports in Archaeology and History 100-120. Archaeological and Historical Services, Cheney.
- Lyman, R. L. 2003. Faunal Remains from 10-AM-266. In *Results of Damage Assessment Investigations at Site 10AM266, Payette National Forest, Idaho*, by F. Crisson, pp. B.1–B.2. Archaeological and Historical Services Short Report 762. Eastern Washington University, Cheney.
- Lyman, R. L. 2003. Zooarchaeology of Sites 45SJ169 and 45SJ165. In *Archaeological Investigations at Sites 45SJ165 and 45SJ169, Decatur Island, San Juan County, Washington*, edited by S. L. Walker, pp. 235–274. Eastern Washington University Reports in Archaeology and History 100-118. Archaeological and Historical Services, Cheney.

Lyman, R. L. 2002. Zooarchaeology of Seven Sites in the Yakima Training Center. In *Archaeological Investigations at Eight Sites on the Yakima Training Center, Kittitas and Yakima Counties, Washington*, edited by S. L. Walker, pp. C.1–C.44. Eastern Washington University Reports in Archaeology and History 100-115. Archaeological and Historical Services, Cheney.

Lyman, R. L. 2002. Zooarchaeology of 45SP56. Report to Archaeological and Historical Services, Eastern Washington University, Cheney. (12 pages)

Lyman, R. L. 2002. Zooarchaeology of 45WT245 (2001). Report to the Department of Geography and Anthropology, Eastern Washington University, Cheney. (16 pages)

Lyman, R. L. 2002. Zooarchaeology of 45KT726. In *Archaeological Test Excavations at Site 45KT726, Yakima Training Center, Kittitas County, Washington*, by S. Gough and R. Ives. Eastern Washington University Reports in Archaeology and History 100-116. Archaeological and Historical Services, Cheney.

Lyman, R. L. 2002. Zooarchaeology of 45KI501. Letter to Larson Anthropological Archaeological Services, Gig Harbor, Washington. (1 page)

Lyman, R. L. 2000. Zooarchaeology of the Earl Site (45LI231). Report to Department of Geography and Anthropology, Eastern Washington University, Cheney.

Lyman, R. L. 2000. Zooarchaeology in the McNary Reservoir. Report to Hemisphere Field Services, Bainbridge Island, WA.

Lyman, R. L. 1999. Faunal Analysis. In *Archaeological Test Excavations at 45CH436, the Sno Place Like Home Site, Wenatchee National Forest, Chelan County, Washington*, by R. A. Stevens, pp. A3.1–A3.4. Archaeological and Historical Services Short Report 643. Eastern Washington University, Cheney.

Lyman, R. L. 1999. Faunal Analysis: 45CA426 Component II. In *The SR-101 Sequim Bypass Archaeological Project: Mid- to Late-Holocene Occupations on the Northern Olympic Peninsula, Clallam County, Washington*, edited by V. E. Morgan, pp. 16.1–16.31. Eastern Washington University Reports in Archaeology and History 100-108. Archaeological and Historical Services, Cheney.

Lyman, R. L. 1998. Vertebrate Faunal Remains from Osprey Camp (45CH425), the 1993 Season. In *Osprey Camp: A Late Prehistoric Settlement on the Upper Wenatchee River*, by J. R. Galm and R. A. Stevens, pp. 4.46–4.51. Eastern Washington University Reports in Archaeology and History 100-106. Archaeological and Historical Services, Cheney.

Lyman, R. L. 1998. Faunal Remains from 45KP115. Report to Larson Anthropological Archaeological Services, Gig Harbor, WA.



Lyman, R. L. 1998. Zooarchaeology of Five Sites in the Yakima Training Center Expansion Area. In *Yakima Training Center Expansion Area Archaeology: Investigations in the Johnson Creek Drainage Basin, Kittitas County, Washington*, edited by S. Gough, pp. A.3.1–A3.46. Eastern Washington University Reports in Archaeology and History 100–93. Archaeological and Historical Services, Cheney. (U. S. Army Corps of Engineers, Seattle District, Technical Report)

Lyman, R. L. 1998. Zooarchaeology of Six Sites in the Yakima Training Center Expansion Area. In *Evaluation of Cultural Resources in Construction Impact Areas, Yakima Training Center Expansion Area, Kittitas County, Washington*, edited by K. Boreson, pp. F.1–F.41. Eastern Washington University Reports in Archaeology and History 100–88. Archaeological and Historical Services, Cheney. (U. S. Army Corps of Engineers, Seattle District, Technical Report)

Lyman, R. L. 1997. Zooarchaeology of Twin Lakes, 1997. Report to Eastern Washington University, Department of Geography and Anthropology, Cheney.

Lyman, R. L. 1997. Faunal Remains from Archaeological Testing of Sites near Grand Coulee Dam. In *Archaeological and Historical Investigations for the Colville Confederated Tribes' Grand Coulee Cultural Resources Project 1997*, edited by G. D. Hartmann, pp. K.1–K.6. Eastern Washington University Reports in Archaeology and History 100-102. Archaeological and Historical Services, Cheney.

Lyman, R. L. 1995. Mammalian and Avian Zooarchaeology of the West Point, Washington, Archaeological Sites (45KI428 and 45KI429). In *The Archaeology of West Point, Seattle, Washington*, edited by L. L. Larson and D. E. Lewarch, pp. 9.1–9.59. King County Department of Metropolitan Services, Seattle.

Lyman, R. L. 1995. Animal Bone and Antler Tools: Technology and Anatomy. In *The Archaeology of West Point, Seattle, Washington*, edited by L. L. Larson and D. E. Lewarch, pp. A4-1—A4-10. King County Department of Metropolitan Services, Seattle.

Lyman, R. L. 1995. Zooarchaeology of Moses Coulee Cave: The 1994 Test. Report to Eastern Washington University, Archaeological and Historical Services, Cheney.

Lyman, R. L. 1995. Zooarchaeology in the Ochoco Reservoir, Oregon. Report to Eastern Washington University, Archaeological and Historical Services, Cheney.

Lyman, R. L. 1995. Mammalian Zooarchaeology of the Meier Site (35CO5). Report to Portland State University, Department of Anthropology, Portland.

Church, R., and R. L. Lyman. 1995. Mammalian Remains from Cathlapotle: A Preliminary Report on the 1994 Field Season. Report to Portland State University, Department of Anthropology, Portland.

Lyman, R. L. 1994. Vertebrate Faunal Remains from 45LI206. Report to Archaeological and Historical Services, Eastern Washington University, Cheney.

Lyman, R. L. 1994. Vertebrate Faunal Remains from Deceptive Beauty Rockshelter (45LE410), Southern Cascade Mountains, Washington. Report to Gifford-Pinchot National Forest, Vancouver, WA.

Lyman, R. L. 1994. The Vertebrate Archaeofauna of Camp Creek Rockshelter (45LE263), Southern Cascade Mountains, Washington. Report to Gifford-Pinchot National Forest, Vancouver, WA.

Lyman, R. L. 1993. Paleobiology and Taphonomy of Mammalian and Turtle Remains from Lamona Rockshelter (45LI150). Report to Archaeological and Historical Services, Eastern Washington University, Cheney.

Lyman, R. L. n.d. Zooarchaeology of 45GR445. In *Salishan Mesa: Upland Archaeology in North-Central Washington*, edited by C. T. Luttrell, pp. B.1–B.61. Eastern Washington University Reports in Archaeology and History, Cheney.

Lyman, R. L. 1993. The Faunal Collection. In *Cultural Resource Investigations at 45AD104, an Upland Bison Site, Adams County, Washington*, by V. Morgan, pp. 39–56, 97–102. Eastern Washington University Reports in Archaeology and History 100-81.

Lyman, R. L. 1992. Rocky Reach Archaeofauna. In *Cultural Resource Investigations Along the Rocky Reach Reservoir: The 1990 Test Excavations*, by K. Boreson, pp. 94–96. Eastern Washington University Reports in Archaeology and History 100-75. Cheney.

Lyman, R. L. 1991. Faunal analysis. In *Archaeological Investigations Near Rock Island Rapids: Excavations at 45CH309*, by R. A. Stevens and J. R. Galm, pp. 93, 163–164. Eastern Washington University Reports in Archaeology and History 100-63, Cheney.

Lyman, R. L. 1991. Zooarchaeology of 10IH1017. In *Prehistory and Paleoenvironments at Pittsburg Landing: Data Recovery and Test Excavations at Six Sites in Hells Canyon National Recreation Area, West Central Idaho*, edited by K. C. Reid, pp. 373–432, 777–813. Center for Northwest Anthropology Project Reports No. 15. Washington State University, Pullman.

Lyman, R. L. 1990. Zooarchaeology. In *Archaeological Data Recovery at Hatiuhpuh, 45WT134, Whitman County, Washington*, edited by D. R. Brauner, pp. 98–138. Report of the Department of Anthropology, Oregon State University, Corvallis, to the U.S. Army Corps of Engineers, Walla Walla District.

Lyman, R. L. 1988. Zooarchaeology of 45KI291. In *Results of Archaeological Investigations at 45KI291, King County, Washington*, edited by S. Gough and J. R. Galm, pp. 47–53. Eastern Washington University Reports in Archaeology and History 100-67. Cheney.

Lyman, R. L. 1988. Zooarchaeology of 45DO189. In *Archaeological Investigations at River Mile 590: The Excavations at 45DO189*, by J. R. Galm and R. L. Lyman, pp. 97–141. Eastern Washington University Reports in Archaeology and History 100-61. Cheney.

Lyman, R. L. 1988. Descriptive Zooarchaeology of 45GR445. In *A Report on Archaeological Testing at Salishan Mesa (45GR445), Grant County, Washington*, by R. A. Masten, pp. 99–108. Eastern Washington University Reports in Archaeology and History 100-64, Cheney.

Lyman, R. L., and J. R. Galm. 1987. Analysis of Faunal Remains from 45TN119. In *Investigations in the Tumwater Historical District: Archaeological Excavation of the Tumwater Site (45TN119), Thurston County, Washington*, edited by R. A. Masten, pp. 325-330. Eastern Washington University Reports in Archaeology and History 100-59, Cheney.

Lyman, R. L. 1987. Elk Creek Zooarchaeology. In *Data Recovery at Sites 35JA27, 35JA59, and 35JA100, Elk Creek Lake Project, Jackson County, Oregon*, edited by R. M. Pettigrew and C. G. Lebow, pp. D.1–D.38. Infotec Research, Inc. Report No. PNW87-7.

Lyman, R. L. (editor). 1985. *Archaeological and Geoarchaeological Investigations at the Sylmon Valley School Site (35DO275), Southwestern Oregon*. Oregon State University Department of Anthropology report to Roseburg Sanitary Authority, Roseburg, Oregon.

Lyman, R. L. 1985. Analysis of the Cabinet Gorge Historic Archaeofauna. In *Archaeological Investigations at the Cabinet Landing Site (10BR413), Bonner County, Idaho*, by K. Landreth, K. Boreson and M. Condon, pp. 145–161. Eastern Washington University Reports in Archaeology and History 100-45. Cheney.

Lyman, R. L. 1985. The Paleozoology of the Avey's Orchard Site. In *Avey's Orchard: Archaeological Investigations of a Late Prehistoric Columbia River Community*, edited by J. R. Galm and R. A. Masten, pp. 243–319. Eastern Washington University Reports in Archaeology and History 100-42. Cheney.

Lyman, R. L., and S. D. Livingston. 1984. Faunal Analysis. In *Archaeological Investigations at Site 45DO273, Chief Joseph Dam Project, Washington*, by M. E. W. Jaehnig, pp. 91–94. University of Washington Office of Public Archaeology report to the U.S. Army Corps of Engineers, Seattle.

Livingston, S. D., and R. L. Lyman. 1984. Faunal Analysis. In *Archaeological Investigations at Sites 45DO242 and 45DO243, Chief Joseph Dam Project, Washington*, by E. S. Lohse, pp. 131–142. University of Washington Office of Public Archaeology report to the U.S. Army Corps of Engineers, Seattle.

Livingston, S. D., and R. L. Lyman. 1984. Faunal Analysis. In *Archaeological Investigations at Site 45DO214 Chief Joseph Dam Project, Washington*, by D. J. Miss, pp. 87–95. University of Washington Office of Public Archaeology report to the U.S. Army Corps of Engineers, Seattle.

Livingston, S. D., and R. L. Lyman. 1984. Faunal Analysis. In *Archaeological Investigations at Site 45OK18, Chief Joseph Dam Project, Washington*, by M. E. W. Jaehnig, pp. 97–100. University of Washington Office of Public Archaeology report to the U.S. Army Corps of Engineers, Seattle.

Livingston, S. D., and R. L. Lyman. 1984. Faunal Analysis. In *Archaeological Investigations at Site 45D0211, Chief Joseph Dam Project, Washington*, by E. S. Lohse, pp. 87–88. University of Washington Office of Public Archaeology report to the U.S. Army Corps of Engineers, Seattle.

Lyman, R. L. 1983. Archaeofauna Recovered on the Montour Evaluation Project. In *An Evaluation of the Cultural Resources of the Montour Wildlife Recreation Area, Gem County, Idaho*, by J. A. Artz, pp. 153–156. University of Kansas Museum of Anthropology Project Report Series No. 51. Lawrence.

Lyman, R. L., M. A. Gallagher, C. G. Lebow, and M. K. Weber 1983. *Cultural Resource Reconnaissance in the Redmond Training Area, Central Oregon*. Oregon State University Department of Anthropology report to the Oregon Military Department and the Bureau of Land Management.

Lyman, R. L. 1982. Archaeofaunal Remains from Blocks VI and VII. In *Archaeological Excavations in Blocks VI and VII, Navajo Indian Irrigation Project, San Juan County, New Mexico*, vol. 3, edited by T. A. Del Bene and D. Ford, pp. 979–1026. Navajo Nation Papers in Anthropology No. 13.

Lyman, R. L. 1981. The Hatwai Molluscan Fauna. In *Hatwai (10NP143): Interim Report*, by K. M. Ames, J. P. Green and M. Pfoertner, pp. 158–163. Boise State University Archaeological Reports No. 9.

Lyman, R. L. 1981. Mammal Bone. In *The Duwamish No. 1 Site, A Lower Puget Sound Shell Midden*, by S. K. Campbell, pp. 199–212, 521–522. University of Washington Office of Public Archaeology Research Report No. 1.

Lyman, R. L. 1980. Analysis of the Prehistoric and Historic Archaeofaunas from Blocks IV and V of the Navajo Indian Irrigation Project. In *Archaeological Investigations into the Prehistory of Northwestern New Mexico: Data Recovery in Blocks IV and V of the Navajo Indian Irrigation Project--Final Report*, edited by A. Simmons. Report to the Navajo Nation.

Lyman, R. L. 1980. Archaeofauna. In *Prehistory and History of the Ojo Amarillo: Archaeological Investigations of Block II, Navajo Indian Irrigation Project, San Juan*

*County, New Mexico*, edited by D. T. Kirkpatrick, pp. 1317–1388. New Mexico State University Cultural Resources Management Division Report No. 276.

Lyman, R. L., and B. R. Womack. 1977. *The Riparia Cairns (45CO23)*. Report to the Bureau of Land Management, Spokane, Washington.

Lyman, R. L. 1977. *Cultural Resource Reconnaissance on Selected Bureau of Land Management Lands, Eastern Washington*. Report to the Bureau of Land Management, Spokane, Washington.

Lyman, R. L. 1976. *Exploratory Archaeological Research Along Rufus Woods Lake, Upper Columbia River Region, North-Central Washington, 1975*. Washington Archaeological Research Center Project Reports No. 29. Pullman.

Lyman, R. L., and D. R. Brauner. 1976. *Preliminary Cultural Resource Evaluation: Proposed Rufus to Kent Pipeline Section, Sherman County, Oregon*. Oregon State University Department of Anthropology report to Gulf Interstate Engineering Co.

Bryant, R. L., F. C. Leonhardy, and R. L. Lyman. 1975. *A Cultural Resources Survey in the Grand Coulee Dam Third Power House Impact Area*. Report to the National Park Service and the U.S. Bureau of Reclamation.

## VI. Professional Presentations

### A. Invited

2009 Paleozoology and Conservation Biology. Presented to the Ozarks Chapter of the Missouri Archaeological Society and the Missouri State University Anthropology Program, Springfield, MO, May 7.

2009 Graphing Evolutionary Pattern in Stone Tools to Reveal Evolutionary Process. 74<sup>th</sup> annual meeting of the Society for American Archaeology, Atlanta, GA.

2009 Innovation and Selection in Paleoindian Projectile Points. 74<sup>th</sup> annual meeting of the Society for American Archaeology, Atlanta, GA. (third author with T. VanPool and M. J. O'Brien)

2008 Zooarchaeology's Dependence on Natural History Collections. Presented at the Natural History Collections in the 21<sup>st</sup> Century: Scholarship, Education, and Outreach symposium, Indiana University, Bloomington, Sept. 20.

2008 Paleozoology and Conservation Biology. Charles W. Schwartz Fisheries and Wildlife Seminar, University of Missouri, Columbia.

2008 Richness of Projectile Point Classes and Morphometric Variation, Before and After the Bow and Arrow. Presented to the Anthropology Department, Washington University, St. Louis.

2008 A History of Paleoecological Research on Sea Otters and Pinnipeds of the Eastern Pacific Rim. 73<sup>rd</sup> annual meeting of the Society for American Archaeology, Vancouver, British Columbia.

2007 Prehistoric Anthropogenic Impacts to Local Faunas and Regional Faunas Are Not Ubiquitous. Presented at the 24<sup>th</sup> Annual Visiting Scholar Conference, “The Archaeology of Anthropogenic Environments,” Southern Illinois University, Carbondale.

2005 Paleozoology as a Source of Ecological Benchmarks. Presented to the University of North Texas Environmental Science Program and Department of Geography, Denton.

2005 What Is a “Process” in Processual Archaeology? Presented to the University of North Texas Department of Geography, Denton.

2004 Of Taphonomy, Zooarchaeology, and Pat Munson. Keynote lecture, presented to the Department of Anthropology, Indiana University, Bloomington, in honor of Professor Munson’s retirement.

2004 Quantification and Taphonomy in Zooarchaeology. Presented (as an all-day workshop) to the Alaska Consortium of Zooarchaeologists, Whitehorse, Yukon Territory.

2004 Zooarchaeological Tests of Aboriginal Overkill in the Pacific Northwest. Presented to the Department of Anthropology, University of Alaska-Anchorage.

2002 A. L. Kroeber’s Measurement of Time’s Arrow and Time’s Cycle. Presented to Washington State University’s Department of Anthropology, as the (first) William D. Lipe Visiting Scholar in Archaeological Method and Theory.

1999 Fundamentals of Zooarchaeology. Presented to the University of Idaho Museum of Natural History, Pocatello.

1996 The Relevance of Paleobiology to Modern Wildlife Management. Presented to Department of Geology, Central Missouri State University, Warrensburg.

1993 The Zooarchaeological Record and Management of Mountain Goats in the Olympic National Park. Presented to the Anthropology Department, Oregon State University, Corvallis.

1993 Applied Zooarchaeology: Sampling, Negative Evidence, and the Paleontological Search for Native Mountain Goats on the Olympic Peninsula of Washington State. Presented to the Anthropology Department, University of Washington, Seattle.

1993 Holocene Zooarchaeology and Global Change: Examples from the Western U.S. Geological Society of America, North-Central Section annual meeting, Rolla, MO.

- 1991 Prehistoric Processing of Pinnipeds on the Northwest Coast. Presented to the Anthropology Department, McGill University, Toronto.
- 1991 Density-Mediated Attrition of Bone Assemblages: New Insights. From Bones to Behavior Visiting Scholars Symposium, Southern Illinois University, Carbondale.
- 1990 A Study of Variation in the Prehistoric Butchery of Large Artiodactyls. Lubbock Lake Landmark 50th Anniversary International Symposium, Lubbock, TX.
- 1985 On the Concepts of "Significance" and "Site:" Implications for Inventorying Archaeological Resources. Conference on "Archaeological Inventory and Predictive Modeling in the Pacific Northwest Region 6 Forests." Pullman, WA.
- 1984 Volcanic Taphonomy. 1st International Bone Modification Conference, Carson City.
- 1983 The Holocene Mammalian Faunal History of Eastern Washington: Analyses and Implications for Zooarchaeological Research. 11th International Congress of Anthropological and Ethnological Sciences, Vancouver, British Columbia.
- 1980 Artiodactyl Butchering Techniques as Practiced by the Navajo. 13th annual meeting of the Society for Historical Archaeology, Albuquerque.

#### B. Presented Papers and Posters

- 2011 Paleoarchaic Exploitation of Mammals in Eastern Washington State. 76<sup>th</sup> annual meeting of the Society for American Archaeology, Sacramento, CA
- 2010 Taphonomy, Pathology, and Paleoecology of the "Big Elk" from Terminal Pleistocene Sediments at Marmes Rockshelter (45FR50). 75<sup>th</sup> annual meeting of the Society for American Archaeology, St. Louis, MO.
- 2010 Ancient DNA Analysis of Dogs and Elk from the Cathlapotle Site, Lower Columbia River. 63<sup>rd</sup> annual meeting of the Northwest Anthropological Conference, Ellensburg, WA. (second author with Kenneth M. Ames, Camilla F. Speller, and Dongya Y. Yang)
- 2009 Fur-Trade Era Intensification of Mammal Hunting on the Lower Columbia River. 62<sup>nd</sup> annual meeting of the Northwest Anthropological Conference, Yaquina Bay, OR. (second author with Kenneth M. Ames and William C. Gardner-O'Kearny)
- 2007 How Much Geographic Space in Zooarchaeological Studies of Bilaterally Paired Bones? 72<sup>nd</sup> annual meeting of the Society for American Archaeology, Austin, TX.

- 2004 Description of the Dwarfed Cozumel Island Fox (*Urocyon* sp.) Based on Analysis of Subfossil Bones. Carnivores 2004: Expanding Partnerships in Carnivore Conservation conference, Santa Fe. (coauthor with M. E. Gompper and A. E. Petrites)
- 2004 The Concept of Equifinality in Taphonomy. 69th annual meeting of the Society for American Archaeology, Montreal.
- 2004 Archaeological Systematics on the Great Plains. 69th annual meeting of the Society for American Archaeology, Montreal. (coauthor with M. J. O'Brien)
- 2004 Mammalian Faunas from Cathlapotle (45CL1), Portland Basin, Southwestern Washington. 57th annual Northwest Anthropological Conference, Eugene, Oregon.
- 2002 Conservation Biology and the Prehistoric Biogeography, Abundance, and Phenotypic Plasticity of Elk in Washington State. 67th annual meeting of the Society for American Archaeology, Denver.
- 2001 A Historical Sequence for Southeastern Paleoindian Points. 66th annual meeting of the Society for American Archaeology, New Orleans. (coauthor with J. Darwent and M. J. O'Brien)
- 2000 Southeastern Fluted-Point Lineages. 65th annual meeting of the Society for American Archaeology, Philadelphia. (coauthor with M. J. O'Brien and J. Darwent)
- 2000 A. L. Kroeber's Southwestern Chronometric Work. 65th annual meeting of the Society for American Archaeology, Philadelphia.
- 1999 The Applicability of Paleobiological Systematics to the Archaeological Record. 64th annual meeting of the Society for American Archaeology, Chicago. (coauthor with S. Wolverton, M. J. O'Brien, and J. Darwent)
- 1999 Classification, Systematics, Typology: The Critical Step in Evolutionary Archaeology. 64th annual meeting of the Society for American Archaeology, Chicago. (senior author with M. J. O'Brien)
- 1999 Studying Complexity in the Archaeological Record: A Matter of Scale and Units. 64th annual meeting of the Society for American Archaeology, Chicago. (coauthor with K. Smith, M. J. O'Brien, and R. D. Leonard)
- 1999 Methodological Challenge of an Evolutionary Archaeology. 64th annual meeting of the Society for American Archaeology, Chicago. (coauthor with M. J. O'Brien)
- 1998 Cultural Historical and Biological Approaches to Identifying Homologous Structure. 63rd annual meeting of the Society for American Archaeology, Seattle.



- 1998 Changing Paradigms in Coastal Oregon Archaeology. 63rd annual meeting of the Society for American Archaeology, Seattle.
- 1998 Mammalian Fauna from 45CA426. 63rd annual meeting of the Society for American Archaeology, Seattle. (coauthor with J. Harpole)
- 1998 The 1933 Setzler and Ford Excavations at the Marksville Site: Mound Excavations and the Archaeology of Yellowed Paper and Silver Gelatin Prints. 63rd annual meeting of the Society for American Archaeology, Seattle. (coauthor with C. Kuttruff and M. J. O'Brien)
- 1998 Culture-Historical Units and the Archaeological Record of Southeastern Missouri, 500 B.C.—A.D. 700. 55th annual Southeastern Archaeological Conference, Greenville, South Carolina. (coauthor with M. J. O'Brien and J. Cogswell)
- 1997 The Role of the Bureau of American Ethnology in Southeastern Archaeology. 62nd annual meeting of the Society for American Archaeology, Nashville. (coauthor with M. J. O'Brien)
- 1997 The 1933 Excavation at the Marksville Site by Frank M. Setzler and James A. Ford. 54th annual Southeastern Archaeological Conference, Baton Rouge, LA. (coauthor with C. Kuttruff and M. J. O'Brien).
- 1996 Stylistic, Functional, and Epiphenomenal Variation in Butchering Marks. 61st annual meeting of the Society for American Archaeology, New Orleans.
- 1994 The West Point Terrestrial and Marine Mammal Faunal Assemblage: Patterns and Comparisons with Other Puget Sound Archaeofaunas. [poster] 59th annual meeting of the Society for American Archaeology, Anaheim, CA.
- 1991 Prehistoric Seal and Sea Lion Transport and Butchering on the Southern Northwest Coast. 56th annual meeting of the Society for American Archaeology, New Orleans.
- 1989 Subsistence Change and Pinniped Hunting. 54th annual meeting of the Society for American Archaeology, Atlanta.
- 1988 Harpoon Stone Tips and Sea Mammal Hunting on the Oregon and Northern California Coast. 41st annual Northwest Anthropological Conference, Tacoma. (senior author with L. A. Clark)
- 1987 Applied Zooarchaeology. 52nd annual meeting of the Society for American Archaeology, Toronto.
- 1986 Plowzone Zooarchaeology. 43rd annual Southeastern Archaeological Conference, Nashville.

- 1986 Oregon Coast Archaeology: A Model, and a Critical History and Status Report. 39th annual Northwest Anthropological Conference, Moscow. (co-author with R. E. Ross)
- 1985 Paleocological Interpretations of Archaeological Rare Taxa in the Holocene of Eastern Washington. 50th annual meeting of the Society for American Archaeology, Denver.
- 1984 Techniques and Goals of Butchering Analysis. 49th annual meeting of the Society for American Archaeology, Portland.
- 1984 Faunal Analysis at Avey's Orchard, Washington (45DO176). 37th annual Northwest Anthropological Conference, Spokane.
- 1983 Late Quaternary Mammalian Faunas of Eastern Washington: Temporal Remoteness, Sample Sizes, and Unsolved Problems. 36th annual Northwest Anthropological Conference, Boise.
- 1983 Mortality Profile Analysis in Zooarchaeology: Implications of the 18 May 1980 Mount St. Helens Eruption Killed Cervids for Sample Adequacy. 48th annual meeting of the Society for American Archaeology, Pittsburgh.
- 1982 Late Quaternary Mammalian Faunal History of Eastern Washington. Annual meeting of the Pacific Northwest Bird and Mammal Society, Seattle. (coauthor with S. D. Livingston)
- 1981 Archaeofaunal Analysis in the Chief Joseph Dam Reservoir Area. 34th annual Northwest Anthropological Conference, Portland. (senior author with S. D. Livingston)
- 1981 Archaeology, Zoogeography, and Paleoenvironments: Theoretical Implications and Examples from the West. 34th annual Northwest Anthropological Conference, Portland.
- 1981 Archaeofaunal Taphonomy: Bone Density as a Mediating Factor. 46th annual meeting of the Society for American Archaeology, San Diego.
- 1980 Steens Mountain Prehistory Project: The Archaeological Survey. 33rd annual Northwest Anthropological Conference, Bellingham.
- 1980 Some Critical Comments on the Human Subsistence Ecology Paradigm in Faunal Analysis. 33rd annual Northwest Anthropological Conference, Bellingham.
- 1979 Freshwater Bivalve Molluscs in Southern Plateau Prehistory: A Forgotten Paleoenvironmental Mussel. 32nd annual Northwest Anthropological Conference, Eugene.

- 1978 Formation of the Archaeofaunal Record: A Preliminary Model. 31st annual Northwest Anthropological Conference, Pullman.
- 1977 Prehistoric Mammalian Exploitation in the Lower Granite Reservoir Area, Southeastern Washington. Annual meeting of the Inland Chapter of the Pacific Northwest Bird and Mammal Society, Pullman.
- 1977 Fort Walla Walla Dump, The Faunal Remains. 30th annual Northwest Anthropological Conference, Victoria.
- 1977 The Question of Available Meat as Determined from Faunal Remains. 30th annual Northwest Anthropological Conference, Victoria.
- 1976 Prehistoric Social Organization from Faunal Remains. 29th annual Northwest Anthropological Conference, Ellensburg.
- C. Symposium or General Session Chair
- 2010 Settlement, Subsistence, and Social Context in the Pacific Northwest. 75<sup>th</sup> annual meeting of the Society for American Archaeology, St. Louis, MO.
- 2005 Archaeology as a Process: Processualism and its Progeny. Co-organized forum (with M. J. O'Brien and M. B. Schiffer), 70th annual meeting of the Society for American Archaeology, Salt Lake City.
- 2002 Zooarchaeology's Contribution to Conservation Biology. Co-organized symposium (with K. P. Cannon), 67th annual meeting of the Society for American Archaeology, Denver.
- 1995 Taxonomic Identifications and Faunal Summaries: What Should We Be Including in Our Faunal Reports? Co-organized Forum (with V. Butler), 60th annual meeting of the Society for American Archaeology, Minneapolis.
- 1984 Faunal Analysis, Zooarchaeology, Ethnobotany and Human Diet. 49th annual meeting of the Society for American Archaeology, Portland.
- 1983 Archaeological Methods. 36th annual Northwest Anthropological Conference, Boise.
- 1981 Paleoenvironmental Reconstruction: Theory, Method and Application. 34th annual Northwest Northwest Anthropological Conference, Portland. (co-organizer with D. J. Meltzer)
- 1980 Method and Theory in Faunal Analysis: New Directions. 33rd annual Northwest Anthropological Conference, Bellingham.

D. Symposium Discussant

2010 "Time, Space, and Form in Biological Conservation: Zooarchaeological Perspectives from Deep Time" chaired by S. Wolverton and C. Randklev. 33<sup>rd</sup> annual meeting of the Society of Ethnobiology, Victoria, British Columbia.

2005 "Applying Biological Principles to Evolutionary Problems in Archaeology" chaired by D. Greenlee, S. Sterling, and J. Truncer. 70th annual meeting of the Society for American Archaeology, Salt Lake City.

2001 "Recent Developments in the Analysis of Archaeological and Ethnoarchaeological Faunas: A Global Perspective" chaired by K. D. Lupo and D. N. Schmitt. 66th annual meeting of the Society for American Archaeology, New Orleans.

1998 "Culture History as Paradigm: Thriving Legacy, Harmless Anachronism, or Intellectual Handicap?" Keynote Forum. 55th annual Southeastern Archaeological Conference, Greenville, South Carolina.

1993 "Interpreting Small to Medium Sized Archaeofaunal Remains" chaired by B. Hockett. 58th annual meeting of the Society for American Archaeology, St. Louis.

1993 "Patterning in Faunal Assemblages: New Approaches to the Study of Butchery and Taphonomy" chaired by P. Crabtree and A. Pike-Tay. 58th annual meeting of the Society for American Archaeology, St. Louis.

1992 "Faunal Exploitation in Chiefdom Level Societies" chaired by R. H. Colten. 57th annual meeting of the Society for American Archaeology, Pittsburgh.

1990 "Prehistoric Hunter-Gatherer Adaptations on the Interior Plateaus of Northwest America" chaired by J. C. Chatters. 55th annual meeting of the Society for American Archaeology, Las Vegas.

1989 "Archaeofaunas and Seasonality" chaired by G. Monks and J. Savelle. 54th annual meeting of the Society for American Archaeology, Atlanta.

1981 "Chief Joseph Dam Cultural Resources Project: Progress and Prospects" chaired by J. V. Jermann, M. E. W. Jaehnig and L. L. Leeds. 34th annual Northwest Anthropological Conference, Portland.

VII. Membership in Professional Societies

Lambda Alpha, National Anthropology Honor Society

Northwest Scientific Association

Society for American Archaeology

Society for Northwestern Vertebrate Biology

Society of Ethnobiology

Association for Washington Archaeology

### VIII. Research Interests

Method and Theory in Zooarchaeology  
Biogeography, Paleobiology, Paleoecology, Taphonomy  
History of Method and Theory in Americanist Archaeology  
Cultural and Natural History of the Western United States

### IX. Professional Service

—CHAIR, Committee on Award for Excellence in Analysis, Society for American Archaeology, April 1, 2006 – April 30, 2007  
—ASSOCIATE EDITOR, *Journal of Taphonomy*, September 1, 2002 – present  
—ASSOCIATE EDITOR for Anthropology, *Northwest Science*, May 1990 – present  
—EDITORIAL ADVISORY BOARD MEMBER for *Scientific Archaeology for the Third Millennium*, book series edited by M. Aldenderfer, H. Neff, and J. L. Lanata, published by Greenwood Publishing Co., August 1998 – present  
—ASSOCIATE EDITOR, *Journal of Human Evolution*, Jan. 1, 2003 – Dec. 31, 2005  
—CO-EDITOR for North America, *ArchaeoZoologia*, January 1991 – December 1995

### X. Dissertations and Theses Supervised

#### A. Doctoral Dissertation

- Heather Ramsay, 2006, “The Histomorphometric Analysis of Rib, Clavicle and Iliac Crest Samples from the Chiribaya: The Relationship between Physical Activity and Bone Mass in a Peruvian Archaeological Population”
- Christyann Darwent, 2001, “High Arctic Paleoeskimo Fauna: Temporal Changes and Regional Differences”
- Steve Wolverton, 2001, “Environmental Implications of Zooarchaeological Measures of Resource Depression”
- Mavis Greer, 1995, “Archaeological Analysis of Rock Art Sites in the Smith River Drainage of Central Montana”

#### B. Master’s Thesis

- Corinne N. Rosania, 2010, “Paleozoological Stable Isotope Data for Modern Management of Historically Extirpated Missouri Black Bears (*Ursus americanus*)”
- Heather Gibb, 2010, “Anatomical Refitting Using Metric Comparison on White-Tailed Deer (*Odocoileus virginianus*) and Mule Deer (*Odocoileus hemionus*)”
- Corey M. Hudson, 2009, “Mitochondrial Ancient DNA Analysis of Lawson Cave Black Bears (*Ursus americanaus*)”
- David S. Deforest, 2006, “Assessing ‘Lithic Sound’ to Predict a Rock’s Ease of Flaking”
- Judith L. Harpole, 2006, “Dead Deer Do Tell Tales: Mammalian Systematic Paleontology and Temporal Variation at Cathlapotle, 45CL1, Southwestern Washington”
- Jamey Zehr, 2002, “A Study of a Sample of Mammalian Remains from Cathlapotle (45CL1), Southwestern Washington”

- Susan Dixon, 1999, “The Problem of Archaeological Typology”
- Michelle Loyet, 1998, “Islamic Period Faunal Remains from the Urban Center of Tell Tuneinir, Syria”
- Steve Wolverton, 1996, “Morphometry and Taphonomy of the Lawson Cave Ursids”
- Eugene Marino, 1993, “Estimation of Sex and Race Using Multiple-Regression and Discriminant Function Analyses of the First Cervical Vertebra of *Homo sapiens*”
- David Schmitt, 1986, “Zooarchaeological and Taphonomic Investigations of Site 35JA42, Upper Applegate River, Southwestern Oregon”