

Zooarchaeology Laboratory Publications

Beck, R.K.

2009 The molecular genetics of prey choice: using ancient DNA to infer prehistoric population histories. *California Archaeology* 1(2):253-268.

Beck, R.K.

2008 Transport distance and debitage assemblage diversity: An application of the field processing model to southern Utah toolstone procurement sites. *American Antiquity* 73(4):759-780.

Bogiatto, R.J., Broughton, J.M., Cannon, V. I., Arnold, S. and Dalton, K.

2006 Fish remains dominate Barn Owl pellets in northwestern Nevada. *Western North American Naturalist* 66:395-396.

Broughton, J.M., R.K. Beck, D.H. O'Rourke, A.R. Rogers, and J. Coltrain

2012 A Late Holocene population bottleneck in California Tule Elk (*Cervus elaphus nannodes*): Provisional support from ancient DNA. *Journal of Archaeological Method and Theory* 19 (4): DOI 10.1007/s10816-012-9167-y

Broughton, J.M., M. Cannon, F. Bayham and D. Byers

2011 Prey body size and ranking in zooarchaeology: Theory, empirical evidence, and applications from the northern Great Basin. *American Antiquity* 76:403-428.

Broughton, J.M. M. Cannon, and E. J. Bartelink

2010 Evolutionary ecology, resource depression, and niche construction theory: Applications to central California hunter-gatherers and Mimbres-Mogollon Agriculturalists. *Journal of Archaeological Method and Theory* 17:371-421.

Broughton, J.M.

2010 Prey spatial structure and behavior affect archaeological tests of optimal foraging models: examples from the Emeryville Shellmound vertebrate fauna. Reprinted article IN: *Evolutionary Ecology and Archaeology: Applications to Problems in Human Evolution and Prehistory*, ed. J. M. Broughton and M. D. Cannon, pp. 192-207. University of Utah Press

Broughton, J.M. and M. D. Cannon (eds.)

2010 *Evolutionary ecology and archaeology: Applications to problems in human evolution and prehistory*. University of Utah Press: Salt Lake City.

- Broughton, J.M., Byers, D., Bryson, R., Eckerle, W., Madsen, D.
2008 Did climatic seasonality control late Quaternary artiodactyls densities in western North America? *Quaternary Science Reviews* 37:1916-1937.
- Broughton, J.M., D. Mullins, and T. Ekker
2007 Avian resource depression or intertaxonomic variation in bone density? A test with San Francisco Bay avifaunas. *Journal of Archaeological Science* 34: 374-391.
- Broughton, J.M., Cannon, V. I., Bogiatto, R.J., Arnold, S. and Dalton, K.
2006 The taphonomy of owl-deposited fish remains and the origin of the Homestead Cave ichthyofauna. *Journal of Taphonomy* 4:69-95.
- Broughton, J.M.
2004 *Prehistoric human impact on California birds: evidence from the Emeryville Shellmound avifauna*. Ornithological Monographs 56.
- Broughton, J.M.
2004 Declines in mammalian foraging efficiency during the late Holocene, San Francisco Bay. IN: *Prehistoric California: Archaeology and the Myth of Paradise*, ed. by L. M. Raab and T. Jones, pp. 34-52. University of Utah Press, Salt Lake City.
- Broughton, J.M.
2004 A late Pleistocene record of Humboldt cutthroat trout (*Oncorhynchus clarki* subsp.) from Mineral Hill Cave, Northeastern Nevada. IN: *Paleontological Investigations at Mineral Hill Cave*, ed. B. Hockett and E. Dillingham. Contribution to the Study of Cultural Resources Technical Report No. 18. (BLM Nevada).
- Broughton, J.M.
2004 Prestine benchmarks and indigenous conservation? Implications from California zooarchaeology. IN: *The Future from the Past: Archaeozoology in Wildlife Conservation and Heritage Management*, pp. 6-18. ed. R. Lauwerrier and I. Plug, Oxbow Books, Oxford.
- Broughton, J.M. and Bayham, F.E.
2003 Showing off, foraging models, and the ascendance of hunting in the California Middle Archaic. *American Antiquity* 68:783-789.
- Broughton, J.M.
2002 Prey spatial structure and behavior affect archaeological tests of optimal foraging models: examples from the Emeryville Shellmound vertebrate fauna. *World Archaeology* 34: 60-83.

- Broughton, J.M., Rampton, D., and Holanda, K.
2002 A test of an osteologically-based age determination method in the Double-crested Cormorant (*Phalacrocorax auritus*). *Ibis: The International Journal of Avian Science* 144: 143-146.
- Broughton, J.M.
2002 Human optimal foraging strategies: An overview. Invited entry for *Encyclopedia of Evolution*, ed. M. Pagel, Oxford Univ. Press.
- Broughton, J. M.
2002 Pre-Columbian human impact on California vertebrates: evidence from old bones and implications for wilderness policy. IN: *Wilderness and Political Ecology: Aboriginal Influences and the Original State of Nature*, edited by C.E. Kay, and R. T. Simmons. University of Utah Press.
- Broughton, J. M.
2001 Resource Intensification and Late Holocene Human Impacts on Pacific Coast Bird Populations: Evidence from the Emeryville Shellmound Avifauna IN: *Posing Questions for a Scientific Archaeology*, edited by T. Hunt, C. Lipo, and S. Sterling. Greenwood Publishing Group, Series: Scientific Archaeology for the Third Millennium.
- Broughton, J.M.
2000 Terminal Pleistocene fish remains from Homestead Cave, Utah, and implications for fish biogeography in the Bonneville basin. *Copeia* 2000:645-656.
- Broughton, J.M., Madsen, D.B., and Quade, J.
2000 Fish remains from Homestead Cave and lake levels of the past 13,000 years in the Bonneville Basin. *Quaternary Research* 53: 392-401.
- Broughton, J.M.
2000 The Homestead Cave Ichthyofauna, pp. 103-121. IN: *Late Quaternary Paleoecology in the Bonneville Basin*, ed. D. Madsen. *Utah Geological Survey Bulletin* 130.
- Broughton, J.M.
2000 Cathedral Cave Fishes, pp. 134-135. IN: *Late Quaternary Paleoecology in the Bonneville Basin*, ed. D. Madsen. *Utah Geological Survey Bulletin* 130.
- Broughton, J.M., and O'Connell, J.F.
1999 On evolutionary ecology, selectionist archaeology, and behavioral archaeology. *American Antiquity* 62:153-165.

- Broughton, J.M.
1999 *Resource depression and intensification during the late Holocene, San Francisco Bay: Evidence from the Emeryville Shellmound vertebrate fauna*. University of California Anthropological Records 32.
- Broughton, J.M.
1997 Widening diet breadth, declining foraging efficiency, and prehistoric harvest pressure: Ichthyofaunal evidence from the Emeryville Shellmound. *Antiquity* 71: 845-862.
- Broughton, J.M. (ed.)
1996 Excavation of the Emeryville Shellmound, 1906: Nels c. Nelson's final report. Contributions of the University of California Archaeological Research Facility 54.
- Byers, D.A., Yesner, D.R., Broughton, J. M., and Coltrain. J.B.
2011 Stable isotope chemistry, population histories and Late Prehistoric subsistence change in the Aleutian Islands. *Journal of Archaeological Science* 38:183-196.
- Byers, D. A. and A. Ugan.
2010 Should we expect large game specialization in the late Pleistocene? An optimal foraging perspective on Early Paleoindian prey choice. Reprinted in *Evolutionary Ecology and Archaeology: Applications and Problems in Human Evolution and Prehistory*, edited by J. Broughton and M. Cannon. University of Utah Press, Salt Lake City, pp. 133-150.
- Byers, D. A. and B. Hill.
2009 Pronghorn dental age profiles and Holocene hunting strategies at Hogup Cave, Utah. *American Antiquity*, 74:299-322.
- Byers, D. A.
2009 The Hell Gap Site Locality II: History of excavations and bone modifications to the Agate Basin Component faunal remains. In *The Hell Gap Site: A Stratified Paleoindian Campsite on the Edge of the Rockies*, edited by M. L. Larson, M. Kornfeld and G. C. Frison. University of Utah Press, Salt Lake City, pp. 135-156.
- Byers, D. A. and C. Smith.
2007 Ecosystem controls and the archaeofaunal record: An example from the Wyoming Basin, USA. *The Holocene*, 17:1171-1183.

- Byers, D. A., C. Smith and J. M. Broughton
 2005 Holocene artiodactyl population histories and large game hunting in the Wyoming Basin, USA. *Journal of Archaeological Science*, 32:125-142.
- Byers, D. A. and A. Ugan.
 2005 Should we expect large game specialization in the late Pleistocene? An optimal foraging perspective on early Paleoindian prey choice. *Journal of Archaeological Science*, 32:1624-1640.
- Byers, D.A. and J.M. Broughton
 2004 Holocene environmental change, artiodactyl abundances, and human hunting strategies in the Great Basin. *American Antiquity* 69:235-256.
- Cannon, M.D. and J. M. Broughton
 2010 Evolutionary ecology and archaeology: an introduction. IN: *Evolutionary Ecology and Archaeology: Applications to Problems in Human Evolution and Prehistory*, ed. J. M. Broughton and M. D. Cannon, pp. 1-12. University of Utah Press.
- Cannon, M. D., S. D. Livingston, and J. M. Broughton
 2009 Faunal remains from the Sunshine Locality. In, *The Archaeology of the Eastern Nevada Paleoarchaic, Part 1: The Sunshine Locality, University of Utah Anthropological Papers* 126, pp. 218-228, ed. by C. Beck and G. T. Jones. University of Utah Press.
- Lorenzen, E. D., D. Nogue´s-Bravo, L. Orlando, J. Weinstock, J. Binladen, K. A. Marske, **A. Ugan**, M. K. Borregaard, M. T. P. Gilbert, R. Nielsen, S. Y. W. Ho, T. Goebel, K. E. Graf, **D. A. Byers**, and 40 others
 2011 Species-specific responses of Late Quaternary megafauna to climate and humans. *Nature* 479:359-364.
- Huckleberry, G., Beck, C., Jones, G., Holmes, A., Cannon, M., Livingston, S., and Broughton, J.M.
 2001 Terminal Pleistocene/Early Holocene environmental change at the Sunshine Locality, north-central Nevada, U.S.A. *Quaternary Research* 55:303-312.
- Madsen, D. B., Rhode, D., Grayson, D.K., Broughton, J. M., Livingston, S. D., Hunt, J., Quade, J., Schmitt, D. N., and Shaver, M.W.
 2001 Late Quaternary environmental change in the Bonneville Basin, Western USA. *Palaeogeography, Palaeoclimatology, Palaeoecology* 167: 243-271.

Rogers, A.R. and Broughton, J.M.

2001 Selective transport of animal parts by ancient hunters: a new statistical method and an application to the Emeryville Shellmound fauna. *Journal of Archaeological Science* 28:763-773.

Smith, C., D. A. Byers and C. Craven.

2008 Holocene bison procurement and processing in the Wyoming Basin: The view from the Graham Ranch Site. *Plains Anthropologist*, 53: 313-322.

Ugan, A. & J. Bright

2001 Measuring foraging efficiency with archaeological faunas: the relationship between relative abundance indices and foraging returns. *Journal of Archaeological Science*, 28 (12): 1309-1321.

Ugan, A., J. Bright, & A. Rogers

2003 When is technology worth the trouble? *Journal of Archaeological Science* 30 (10): 1315-1329.

Ugan, A.

2005 Climate, bone density, and resource depression: what is driving variation in large and small game in Fremont archaeofaunas. *Journal of Anthropological Archaeology* 24: 227-251.

Ugan, A.

2005 Does size matter? Body size, mass collecting, and their implications for understanding prehistoric foraging behavior. *American Antiquity* 70(1): 75-90.

Ugan, A. and D. A. Byers.

2007 Geotemporal trends in proboscidean and human population histories during the late Pleistocene. *Quaternary Science Reviews*, 26:3058-3080.

Ugan, A. and D. A. Byers.

2008 A global perspective on the spatiotemporal pattern of the late Pleistocene human and woolly mammoth radiocarbon record. *Quaternary International*, 191:69-81.

Ugan, A.

2010 The effect of cooking on the survivorship of jackrabbit skeletons (*Lepus californicus*) presented to desert scavengers of the eastern Great Basin, North America. *International Journal of Osteoarchaeology*, 20 (2): 214-226.

Ugan, A. & J. Coltrain

2012 Stable isotopes, diet, and taphonomy: using isotope-based dietary reconstructions to infer differential survivorship in zooarchaeological assemblages. *Journal of Archaeological Science*, 39: 1401-1411.

Ugan, A. and D. A. Byers.

2008 A global perspective on the spatiotemporal pattern of the late Pleistocene human and woolly mammoth radiocarbon record. *Quaternary International*, 191:69-81.