

CHARLES PETER EGELAND
CURRICULUM VITA

Department of Anthropology
University of North Carolina at Greensboro

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EDUCATION

2007 Ph.D. Anthropology, Indiana University
2005 M.A. Anthropology, Indiana University
2001 B.A. Anthropology, Colorado State University

ACADEMIC AND PROFESSIONAL POSITIONS

2008-current

Visiting Lecturer, Department of Anthropology, University of North Carolina at Greensboro

2007-2008

Crew Leader, Museum Archaeology Program, Wisconsin Historical Society

2006-2008

Honorary Fellow, Department of Anthropology, University of Wisconsin-Madison

2003-2006

Associate Instructor, Department of Anthropology, Indiana University

2000

Research Assistant, Eberhart Karls Universität Tübingen, Institut für Ur- und Frühgeschichte und Archäologie des Mittelalters, Abteilung Älter Urgeschichte und Quartärökologie

PROFESSIONAL TEACHING

ATY 557: Primate Behavior
ATY 331: Human Variation
ATY 359: Forensic Anthropology
ATY 357: Monkeys, Apes, and Humans
ATY 253: Introduction to Physical Anthropology
ATY 212: General Anthropology
ANTH A105: Human Origins and Prehistory
ANTH B301: Laboratory Methods in Bioanthropology

OTHER TEACHING ACTIVITIES

Student Instructor, "Dig It!" Program, Ft. Collins Museum, Colorado

RESEARCH GRANTS

- 2009 *National Science Foundation High-risk Research in Anthropology Grant*, for, "Paleoanthropological Investigations in Northern Armenia" (pending)
- 2006 *National Science Foundation Dissertation Improvement Grant*, for, "Zooarchaeological and Taphonomic Perspectives on Hominid-Carnivore Interactions at Olduvai Gorge, Tanzania" (\$4,000)
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AWARDS

- 2007 *Eberhard Karls Universität Tübingen*, Research Prize for Early Prehistory and Quaternary Ecology, for, "Zooarchaeological and Taphonomic Perspectives on Hominid-Carnivore Interactions at Olduvai Gorge, Tanzania" (\$6,400)
- 2006 *Louise McNutt Dissertation Year Fellowship*, *College of Arts and Sciences, Indiana University*, for, "Zooarchaeological and Taphonomic Perspectives on Hominid-Carnivore Interactions at Olduvai Gorge, Tanzania" (\$14,000)
- 2005 *Research Award, Graduate and Professional Student Organization, Indiana University*, for, "Taphonomy and Zooarchaeology of Beds I and II at Olduvai Gorge, Tanzania" (\$500)
- 2004 *Research Award, Graduate and Professional Student Organization, Indiana University*, for, "Continued Work on the Zooarchaeology and Taphonomy of the Swartkrans (Gauteng, South Africa) Large Mammal Assemblage" (\$500)
- 2004 *David Bidney Graduate Paper Prize, Department of Anthropology, Indiana University*, for, "Using Tooth Mark Data to Track Diachronic Patterns in Resource Partitioning Within the Large Carnivore Guild as Seen From Swartkrans Cave, South Africa" (\$200)
- 2003 *Research Award, Graduate and Professional Student Organization, Indiana University*, for, "Zooarchaeological and Taphonomic Reassessment of the Swartkrans Member 3 (South Africa) Large Mammal Assemblage" (\$500)
- 2002 *Chancellor's Fellowship, Indiana University*, for support of graduate studies. (\$15,000/year)
- 2002 *Best Poster Presentation-Undergraduate, 8th Annual Front Range Student Ecology Symposium*, for, "Dental Enamel Hypoplasia in Archaeological Populations of Bison: Assessing the Impact of Physiological and Environmental Stresses"
- 2001 *Student Paper Award, 59th Meeting of the Plains Anthropological Society (Lincoln, NE)*, for, "From Cutmarks to Behavior: The Reliability of Cutmarks for Inferring Processing Intensity" (\$250)
- 1999 *Poster of Highest Distinction Award, 5th Annual Undergraduate Research and Creativity Symposium, Colorado State University*, for, "Ontogenetic Dental Variation in a 2700-year-old Bison Deme: A Mortality Event on the Poudre" (With Robert S. Walker) (\$100)
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FIELD AND LABORATORY INVESTIGATIONS

Apr 2007-Aug 2008 Museum Archaeology Program, Wisconsin Historical Society; Phase I-III investigations of Paleoindian through Historic sites

Aug 2006	Olduvai Gorge, Tanzania; excavations of Oldowan and Acheulean sites
July-Aug 2005; Mar-Apr 2006	Olduvai Gorge, Tanzania; laboratory analysis of Oldowan and Acheulean faunal assemblages
Jun 2005	Vogelherd Cave, Baden-Württemberg, Germany; excavations of Upper Paleolithic site
Aug 2004	Vhembe-Dongola National Park, South Africa; survey for and analysis of modern carnivore assemblages
Jun 2003; Jul 2004; Aug 2005	Swartkrans Cave, Guateng Province, South Africa; laboratory analysis of Oldowan and Acheulean faunal assemblages
Jun -Jul 2001; Jun-Aug 2002	Geissenklöstele, Baden-Württemberg, Germany; excavations of Middle/Upper Paleolithic site
Jun -Jul 2000; Jun-Jul 2001; Jul 2003, 2004	Hohle Fels, Baden-Württemberg, Germany; excavations of Middle/Upper Paleolithic site
May 2001	Clary-Ranch site, Nebraska, USA; excavations of Paleoindian site
Dec-May 2000	Vogelherd Cave, Baden-Württemberg, Germany; laboratory analysis of Middle/Upper Paleolithic faunal assemblages
May 1998; 1999; 2001	Hudson-Meng Bison Bonebed, Nebraska, USA; excavations of Paleoindian site
Jun 1998-May 1999; Aug-Dec 1999; Aug 2001-2002	Kaplan-Hoover site, Colorado, excavations of Late Archaic site
Jun-Jul 1999 Jun 2002	Centennial Archaeology, Inc.; Phase I-III investigations of Paleoindian through Historic sites
Jul 1998	Vore Buffalo Jump, Wyoming, USA; excavations of Late Prehistoric site

PUBLICATIONS

- In sub. Domínguez-Rodrigo, M., Mabulla, A., Diez-Martín, F., Barba, R., **Egeland, C.P.**, Espílez, E., Schnell, A.G., Yravedra, J., Sánchez, P. Unraveling hominid behavior at another anthropogenic site from Olduvai Gorge (Tanzania): New archaeological, taphonomic and technological research at BK, Bed II. *Journal of Human Evolution*.
- 2008 Egeland, A.G., **Egeland, C.P.**, Bunn, H.T. Taphonomic analysis of a modern spotted hyena (*Crocuta crocuta*) den from Nairobi, Kenya. *Journal of Taphonomy* 6, 275-299.
- 2008 **Egeland, C.P.** Bone-crunching carnivores as taphonomic agents: an introduction to a special volume of *Journal of Taphonomy*. *Journal of Taphonomy* 6, 251-253.

- 2008 Egeland, C.P. Patterns of early hominid site use at Olduvai Gorge. *Mitteilungen der Gesellschaft für Urgeschichte* 17, 9-37.
- 2008 Egeland, C.P., Domínguez-Rodrigo, M. Taphonomic perspectives on hominid site use and foraging strategies during Bed II times at Olduvai Gorge, Tanzania. *Journal of Human Evolution* 55, 1031-1052.
- 2008 Pickering, T.R., Egeland, C.P., Domínguez-Rodrigo, M., Brain, C.K., Schnell, A. Testing the “shift in the balance of power” hypothesis at Swartkrans, South Africa: hominid cave use and subsistence behavior in the early Pleistocene. *Journal of Anthropological Archaeology* 27, 30-45.
- 2007 Domínguez-Rodrigo, M., Barba, R., Egeland, C.P. *Deconstructing Olduvai: A Taphonomic Study of the Bed I Sites*. New York: Springer.
- 2007 Domínguez-Rodrigo, M., Egeland, C.P., Pickering, T.R. Equifinality in carnivore tooth mark frequencies and the extended concept of archaeological palimpsests: implications for models of passive scavenging in early hominids. In (T.R. Pickering, N. Toth & K.A. Schick, Eds) *Breathing Life into Fossils: Taphonomic Studies in Honor of C.K. “Bob” Brain*. Bloomington: CRAFT Press, pp. 255-267.
- 2007 Pickering, T.R., Domínguez-Rodrigo, M., Egeland, C.P., Brain, C.K. Carcass foraging by early hominids at Swartkrans Cave (South Africa): a new investigation of the zooarchaeology and taphonomy of Member 3. In (T.R. Pickering, N. Toth & K.A. Schick, Eds) *Breathing Life into Fossils: Taphonomic Studies in Honor of C.K. “Bob” Brain*. Bloomington: CRAFT Press, pp. 233-254.
- 2006 Pickering, T.R., Egeland, C.P. Experimental patterns of hammerstone percussion damage on bones and zooarchaeological inferences of carcass processing intensity by humans. *Journal of Archaeological Science* 33, 459-469.
- 2006 Pickering, T.R., Egeland, C.P., Osborne, D.L., Schnell, A.G., Enk, J. Inter-element variability in the identification of fragmented limb bone shafts and its implications for zooarchaeological estimates of element abundance. *Journal of Taphonomy* 4, 97-108.
- 2006 Serrano, E., Pérez, J.M., Egeland, C.P., Bover, P., Gallego, L. Prospecting for ungulate skeletal remains in Mediterranean mountainous habitats: a quantitative approach and potential use in population dynamics. *Journal of Taphonomy* 4, 163-170.
- 2005 Egeland, C.P., Byerly, R.M. Application of return rates to large mammal butchery and transport among hunter-gatherers and its implications for Plio-Pleistocene hominid carcass foraging and site use. *Journal of Taphonomy* 3, 135-158.
- 2005 Pickering, T.R., Domínguez-Rodrigo, M., Egeland, C.P., Brain, C.K. The contribution of limb bone fracture patterns to reconstructing early hominid behavior at Swartkrans Cave (South Africa): archaeological application of a new analytical method. *International Journal of Osteoarchaeology* 15, 247-260.
- 2004 Egeland, C.P., Pickering, T.R., Domínguez-Rodrigo, M., Brain, C.K. Disentangling Early Stone Age palimpsests: assessing the functional independence of carnivore- and hominid-derived portions of archaeofaunas. *Journal of Human Evolution* 47, 343-357.

- 2004 Niven, L.B., **Egeland, C.P.**, Todd, L.C. An inter-site comparison of enamel hypoplasia occurrence in *Bison*: implications for paleoecology and modeling Late Plains Archaic subsistence. *Journal of Archaeological Science* 31, 1783-1794.
- 2004 Pickering, T.R., Domínguez-Rodrigo, M., **Egeland, C.P.**, Brain, C.K. New data and ideas on the foraging behaviour of Early Stone Age hominids at Swartkrans Cave, South Africa. *South African Journal of Science* 100, 215-219.
- 2004 Pickering, T.R., Domínguez-Rodrigo, M., **Egeland, C.P.**, Brain, C.K. Beyond leopards: tooth marks and the contribution of multiple carnivore taxa to the accumulation of the Swartkrans Member 3 fossil assemblage. *Journal of Human Evolution* 46, 595-604.
- 2003 **Egeland, C.P.** Carcass processing intensity and cutmark creation: an experimental approach. *Plains Anthropologist* 48, 39-51.
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REPORTS

- In prep. **Egeland, C.P.** Lithics from the Murphy and River Quarry Sites. In (Prepared by M. Hawley) *The Murphy (47DA736/965) and River Quarry (47DA768) Sites: Two Multicomponent, Native American Sites in Dane County, Wisconsin*. Archaeology Research Series Volume 8, Museum Archaeology Program, Wisconsin Historical Society.
- 2008 **Egeland, C.P.** *Phase I Archaeological Investigations along S.T.H. 27, from the South County Line to the West County Line, in Bayfield County, Wisconsin*. Research Report in Archaeology Number 212. Museum Archaeology Program, Wisconsin Historical Society.
- 2008 Reetz, E.C., Kennedy, J., **Egeland, C.P.** *Archaeological Monitor of Multiple Sites during the Reconditioning of C.T.H. "A": C.T.H. "K"-Sunnyside Road in Green Lake County, Wisconsin*. Research Report in Archaeology Number 207. Museum Archaeology Program, Wisconsin Historical Society.
- 2007 Reetz, E.C., **Egeland, C.P.** *Archaeological Investigations along a Portion of S.T.H. 23 from Princeton to Green Lake in Green Lake County, Wisconsin*. Research Report in Archaeology Number 202. Museum Archaeology Program, Wisconsin Historical Society.
- 2005 **Egeland, C.P.**, Wells, J. Appendix 4: Faunal Remains. In (Prepared by J. Wells) *A Multicultural House: GBL Investigations of the Vincennes and Oliver Phases at Heaton Farm (12GR122) in 2004*. Report from the Glenn A. Black Laboratory of Archaeology, Indiana University, Bloomington.
- 2004 **Egeland, C.P.**, Peterson, S. Faunal Material. In (Prepared by S. Peterson) *Investigations at 12 Gr 313, an Early Late Woodland Allison-LaMotte Culture Habitation Site in Greene Co., Indiana*. Report from the Glenn A. Black Laboratory of Archaeology, Indiana University, Bloomington.
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PROFESSIONAL PRESENTATIONS

- 2007 Domínguez-Rodrigo, M., Egeland, C.P. A new investigation of the zooarchaeology and taphonomy of Bed II Olduvai. Paper presented at the 16th Annual Meeting of the Paleoanthropology Society, Philadelphia, Pennsylvania.
- 2005 Pickering, T.R., Domínguez-Rodrigo, M., Egeland, C.P., Brain, C.K. The earliest evidence for hominid butchery in southern Africa: new zooarchaeological and taphonomic data on the use of large animal carcasses at Swartkrans Members 1 – 3. Paper presented at the 14th Annual Meeting of the Paleoanthropology Society, Milwaukee, Wisconsin.
- 2004 Egeland, C.P., Byerly, R.M. Cutmark frequencies, skeletal element transport, and Plio-Pleistocene hominin foraging: applying experimental data to archaeological questions. Paper presented at the 69th Annual Meeting of the Society for American Archaeology, Montréal, Quebec.
- 2003 Egeland, C.P., Niven, L.B. Paleoecological applications of enamel hypoplasia in *Bison*: implications for modeling Late Plains Archaic subsistence. Poster presented at the 68th Annual Meeting of the Society for American Archaeology, Milwaukee, Wisconsin.
- 2002 Byerly, R.M., Niven, L.B., Egeland, C.P. Equid processing at Vogelherd Cave: cutmark frequency as an implement of inference. Poster presented at the 67th Annual Meeting of the Society for American Archaeology, Denver, Colorado.
- 2002 Egeland, C.P. Assessing physiological and environmental stress in archaeological populations of *Bison*: enamel hypoplasia and its paleoecological implications. Paper presented at the 60th Annual Plains Anthropological Conference, Oklahoma City, Oklahoma.
- 2002 Egeland, C.P., Hill, M.G., Byerly, R.M. Experimental versus archaeological manifestations of large mammal butchery: increasing the reliability of inferences of prehistoric subsistence behavior. Poster presented at the 67th Annual Meeting of the Society for American Archaeology, Denver, Colorado.
- 2001 Egeland, C.P. From cutmarks to behavior: the reliability of cutmarks for inferring processing intensity. Paper Presented at the 59th Annual Plains Anthropological Conference, Lincoln, Nebraska.
- 1999 Egeland, C.P., Grutt, J.M., Nicholson, C.M., Todd, L.C. 25SX348 archaeology on the level: examining the scatter within the patches using spatial analysis in the Oglala Grasslands, Sioux County, Nebraska. Poster presented at the 57th Annual Plains Anthropological Conference, Sioux Falls, South Dakota.
- 1999 Walker, R.S., Egeland, C.P. Ontogenetic dental variation in a 2700-year-old *Bison* deme: a mortality event on the Poudre. Poster presented at the 57th Annual Plains Anthropological Conference, Sioux Falls, South Dakota.

INVITED PRESENTATIONS

- 2008 Egeland, C.P. Dietary transitions and early human expansions. Presentation given at the inaugural workshop of “The Role of Culture in the Early Expansions of Humans,” sponsored by Heidelberg Akademie der Wissenschaft, Academy of Science, Senckenberg Forschungsinstitut und Naturmuseum, and Eberhart Karls Universität Tübingen (Heidelberg, Germany)

- 2008 **Egeland, C.P.** Archaeology in the cradle of humanity: Olduvai Gorge. Lecture given at the Wisconsin Historical Society for the Charles E. Brown Chapter of the Wisconsin Archaeological Society's lecture series (Madison, Wisconsin)
- 2008 **Egeland, C.P.** Reconstructing early hominin behavior during the African Early Stone Age. Lecture given at the Department of Prehistory, Universität Tübingen, Schloß Hohentübingen for the 2008 Research Prize for Early Prehistory and Quaternary Ecology (Tübingen, Germany)
- 2007 **Egeland, C.P.** A taphonomic perspective on hominid and carnivore foraging strategies during the Plio-Pleistocene at Olduvai Gorge, Tanzania. Lecture given at the Department of Anthropology, University of Wisconsin-Madison (Madison, Wisconsin)
- 2005 **Egeland, C.P.** Recent zooarchaeological and taphonomic research at Swartkrans Cave, South Africa. Lecture given at the Forschungsbereit Altsteinzeit (Schloß Monrepos, Neuwied, Germany) of the Römisch-Germanisches Zentralmuseum Mainz for "Dialoge zur Pleistozänen Archäologie Vortrags- und Diskussionsforum" (Neuwied, Germany)
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