

Anthropology 708
Advanced Archaeological Theory and Method: Models in Archaeology

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Reading Assignments

Last update: 4.22.04

1.[1.19] Introduction: course overview and a first model.

Dunnell, R.C.

1970 Seriation method and its evaluation. *American Antiquity* 35:305-319.

2. [1.26] A little epistemology.

Kosso, Peter

2001 *Knowing the Past: Philosophical Issues of History and Archaeology*, Humanity Books, Amherst, NY

3. [2.2] New approaches to modeling cultural evolution.

Shennan, Steven

2002 Chapters 1-3. *Genes, Memes, and Human History*, pp. 9-65.

Rodseth, L. T.

1998 Distributive models of culture: A Sapirian alternative to essentialism. *American Anthropologist* 100(1):55-69.

Henrich, Joseph and Richard McElreath

2003 The evolution of cultural evolution. *Evolutionary Anthropology* 12:123-135

Winterhalder, Bruce.

2002 Models. In *Darwin and Archaeology: a Handbook of Key Concepts*, edited by John P. Hart and John Edward Terrell, pp.201-224. Bergan and Garvey, Westport CT.

4. [2.9] Cultural transmission and drift

Shennan, Stephen

2002 Chapter 4. *Genes, Memes, and Human History*, pp. 66-99.

Neiman, F.D.

1995 Stylistic Variation in Evolutionary Perspective: Inferences from Decorative Diversity and Interassemblage Distance in Illinois Woodland Ceramic Assemblages. *American Antiquity* 60: 7-36.

Carl P. Lipo, Mark E. Madsen, Robert C. Dunnell, Tim Hunt

1997 Population structure, cultural transmission, and frequency seriation. *Journal of Anthropological Archaeology* 16(4):301-333.

Shennan, S. and J.R. Wilkinson

2001 Ceramic style change and neutral evolution: A case study from Neolithic Europe. *American Antiquity* 66 (4): 577-593.

5. [2.16] Population dynamics

Shennan, Stephen

2002 Chapter 5. *Genes, Memes, and Human History*, pp. 66-99.

Boone, James L.

2002 Subsistence strategies and early human population history: an evolutionary ecological perspective. *World Archaeology* 34(1):6-25.

Diamond, Jared and Peter Bellwood.

2003 Farmers and their languages: the first expansions. *Science* 300:597-603.

Hegmon, Michelle, M.C. Nelson, and M.J. Ennes

2000 Corrugated pottery, technological style, and population movement in the Mimbres region of the America Southwest. *Journal of Anthropological Research* 56:217-240.

Pierre Petrequin; Rose-Marie Arbogast; Christine Bourquin-Mignot; Catherine Lavier; Amandine Viellet

1998 Demographic Growth, Environmental Changes and Technical Adaptations: Responses of an Agricultural Community from the 32nd to the 30th Centuries BC. *World Archaeology*, Vol. 30, No. 2, Population and Demography. (Oct., 1998), pp. 181-192.

6. [2.23] Foraging-1

Smith, Eric A.

1987 Optimization theory in anthropology: Applications and critiques. In *The Latest on the Best: Essays on Evolution and Optimality*, edited by John Dupre pp. 201-249.

Basgall, M.

1987 Resource intensification among hunter-gatherers: acorn economies in prehistoric California. *Research in Economic Anthropology* 9:21-52

Broughton, Jack M.

1994 Late Holocene resource intensification in the Sacramento Valley, California: the vertebrate evidence. *Journal of Archaeological Science* 21:501-514

Nagaoka, L.

2002 Subsistence strategies and early human population history: an evolutionary ecological perspective. *World Archaeology* 34(1): 84-102.

7. [3.1] Foraging-2

Stiner, Mary C., Natalie D. Munro, and Todd A. Surovell.

2000 The Tortoise and the Hare: Small-Game Use, the Broad-Spectrum Revolution, and Paleolithic Demography. *Current Anthropology* 41:39-73.

Winterhalder, B., and C. Goland.

1997 An evolutionary ecology perspective on diet choice, risk, and plant domestication. In *People, Plants, and Landscapes: Studies in Paleoethnobotany*. K.J. Gremillion, ed. Pp. 123-160. Tuscaloosa, AL: U. of Alabama Press.

Alvard, M. and L. Kuznar.

2001 The transition from hunting to animal husbandry: prey choice when harvests are deferred. *American Anthropologist* 103(2):295-311.

Gremillion, Kristen

2002 Foraging theory and hypothesis testing in archaeology: An exploration of methodological problems and solutions. *Journal of Anthropological Archaeology*. 21(2):142-164.

8. [3.8] Spring Break

9. [3.15] Optimization and technology.

Schiffer, M.B. and J.M. Skibo

1987 Theory and experiment in the study of technological change. *Current Anthropology* 28:595-622.

O'Brien, M.J. T.D. Holland, R.J. Hoard and G.L. Fox.

1994 Evolutionary implications of design and performance characteristics of prehistoric pottery. *Journal of Archaeological Method and Theory* 1:259-304.

Jason Bright; Andrew Ugan; Lori Hunsaker

2002 The effect of handling time on subsistence technology. *World Archaeology* 34(1): 164 - 181.

Ugan, A. J, Bright, and A. R. Rogers.

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

Fitzhugh, B. 2001

Risk and invention in human technological evolution. *Journal of Anthropological Archaeology* 20:125-167

[3.22] 10. Signaling and conspicuous consumption.

Bliege Bird, R. and E. A. Smith,

ms. Signaling theory, strategic interaction, and symbolic capital. Submitted to *Current Anthropology*.

Neiman, Fraser D.

1997 Conspicuous consumption as wasteful social advertising: a Darwinian perspective on spatial Patterns in Classic Maya terminal monument dates. In *Rediscovering Darwin: Evolutionary Theory and Archaeological Explanation.*, edited by C. Michael Barton and Geoffrey A. Clark, pp.267-290. Archaeological Papers of the American Anthropological Association, 7.

Boone, James

2000 Social power, status and lineage survival, In *Hierarchoes in Action: cui bono?* Edited by Michael W. Diehl, pp. 84-110. Center For Archaeological Investigations, Southern Illinois University, Carbondale, Il

Bowser, Brenda J.

2000 From pottery to politics: an ethnoarchaeological study of political factionalism, ethnicity and domestic pottery style in the Ecuadorian Amazon. *Journal of archaeological method and theory* 7(3):219-48.

11. [3.29] Gender.

Shennan, Stephen

2002 Chapter 7, pp.177-205. *Genes, Memes, and Human History*.

Hawkes, K. and R. Bliege Bird

2002 Showing off, handicap signaling, and the evolution of men's work. *Evolutionary Anthropology* 11 (2002), pp. 58–67

J.F. O'Connell, K. Hawkes, K.D. Lupo and N.G. Blurton Jones,

2002 Male strategies and Plio-Pleistocene archaeology. *Journal of Human Evolution* 43: 831–872.

David W. Zeanah,

2004 Sexual division of labor and central place foraging: a model for the Carson Desert of western Nevada, *Journal of Anthropological Archaeology*, In Press.

12. [4.5] Inequality

Shennan, Stephen

2002 Chapter 8-9, pp.206-261. *Genes, Memes, and Human History*.

Boone, James L.

1992. "Competition, conflict, and the development of social hierarchies," in *Evolutionary ecology and human behavior*, edited by E. A. Smith and B. Winterhalder, pp. 301-338. New York: Aldine de Gruyter.

Kantner, John,

1996 Political competition among the Chaco Anasazi of the American Southwest. *Journal of Anthropological Archaeology* 15(1): 41-105

12. [4.12]. Coordination and Cooperation 1.

Michael S. Alvard And David A. Nolin

2002 Rousseau's Whale Hunt? Coordination among Big-Game Hunters. *Current Anthropology* 43:533-561

Kohler, T. A., and C. R. Van West.

1996 The calculus of self-interest in the development of cooperation: Sociopolitical development and risk among the Northern Anasazi. In *Evolving Complexity and Environmental Risk in the Prehistoric Southwest*, edited by J. A. Tainter and B. B. Tainter, pp. 169-196. Reading, MA: Addison-Wesley.

Lansing, J. Stephen and James N. Kremer

1993 Emergent properties of Balinese water temple networks: Coadaptation on a rugged fitness landscape. *American Anthropologist* 95:97-114.

Sosis, R., and C. Alcorta.

2003. Signaling, solidarity, and the sacred: The evolution of religious behavior. *Evolutionary Anthropology* 12: 264-274.

13. [4.19] Coordination and Cooperation 2.

Richerson, Peter J, Robert T. Boyd, and Joseph Henrich

2003 Cultural evolution of human cooperation. In *Genetic and Cultural Evolution of Cooperation*, edited by P. Hammerstein, pp. 357-388. MIT Press, Cambridge.

Smith, Eric A.

2003 Human cooperation: perspectives from behavioral ecology. In *Genetic and Cultural Evolution of Cooperation*, edited by P. Hammerstein, pp. 401-427. MIT Press, Cambridge

Mills, Barbara J.

2002 Recent Research on Chaco: Changing Views on Economy, Ritual, and Society. *Journal of Archaeological Research* 10(1):65-117.

14. [4.26] Chaco 2

W. H. Wills

2000 Political leadership and the construction of Chacoan Great Houses, AD 1020-1140. In *Alternative Leadership Strategies in the Prehispanic Southwest.*, edited by Barbara Mills, pp. 19-59. University of Arizona Press, Tucson.

Vivian, R. Gwinn

1970 An Inquiry into Prehistoric Social Organization in Chaco Canyon, New Mexico. *Reconstructing Prehistoric Pueblo Societies*, edited by W. A. Longacre, pp. 59-83. University of New Mexico Press, Albuquerque.

Feinman, Gary

2000 Corporate/Network: a new perspective on leadership in the American Southwest. *Hierarchoes in Action: cui bono?* Edited by Michael W. Diehl, pp.152-180. Center For Archaeological Investigations, Southern Illinois University, Carbondale, IL

Windes, T.C. and P.J. McKenna

2001 Wood production in Chaco society. *American Antiquity* 66:119-140.

English, Nathan B. , Julio L. Betancourt, Jeffrey S. Dean, and Jay Quade

2001 Strontium isotopes reveal distant sources of architectural timber in Chaco Canyon, New Mexico. *PNAS* :98(21): 11891–11896

