

## Adaptation

**See also:** archaeology, change, ecology, social conditions.

Entries: 71

Last update: 17/04/2020

Compiled by Thanos Kouravelos

Andersen, R. R.

- 1970 Alberta Stoney (Assiniboin) origins and adaptations: a case for reappraisal. *Ethnohistory* 17(1-2):49-61.

Århem, K.

- 1976 Fishing and hunting among the Makuna: economy, ideology and ecological adaptation in the northwest Amazon. *Etnografiske*

Balikci, A.

- 1968 "The Netsilik Eskimos: adaptive processes", in *Man the hunter*, by Richard B. Lee & Irven DeVore (eds.), pp. 79-82. Chicago, IL: Aldine.

Benjamin, G.

- 1980 Review of "*The golden peninsula: culture and adaptation in mainland Southeast Asia*", by Charles F. Keyes. New York: Macmillan, 1977". *Southeast Asia Ethnicity and Development Newsletter* 4(3):31-33.

Berlin, B. & Berlin, E. A.

- 1983 "Adaptation and ethnozoological classification: theoretical implications of animal resources and diet of the Aguaruna and Huambisa", in *Adaptive responses of native Amazonians*, by Raymond B. Hames & William T. Vickers (eds.), pp. 301-328. New York: Academic Press, Studies in Anthropology.

Berlin, B. & Berlin, E. A.

- 1983 "Adaptation and ethnozoological classification: theoretical implications of animal resources and diet of the Aguaruna and Huambisa", in *Adaptive responses of native Amazonians*, by Raymond B. Hames & William T. Vickers (eds.), pp. 301-328. New York: Academic Press, Studies in Anthropology.

Biesele, M.

- 1986 How hunter-gatherers' stories "make sense": semantics and adaptation. *Cultural Anthropology* 1(2):157-170.

Binford, L.

- 1968 "Post-Pleistocene adaptations", in *New perspectives in archaeology*, by Sally R. Binford & Lewis R. Binford (eds.), pp. 313-341. Chicago, IL: Aldine.

- 1989 "Isolating the transition to cultural adaptations: an organizational approach", in *The emergence of modern humans: biocultural adaptations in the later Pleistocene*, by Erik Trinkaus (ed.), pp. 18-41. Cambridge: Cambridge University Press, School of American Research Advances Seminar Series.

- 1993 "Bones for stones: considerations of analogues for features found on the Central Russian Plain", in *From Kostenki to Clovis: Upper Paleolithic-Paleo-Indian adaptations*, by Olga Soffer & N. D. Praslov (eds.), pp. 101-124. New York: Plenum, Interdisciplinary Contributions to Archaeology.

- 1999 Review of “*As the world warmed: human adaptations across the Pleistocene/Holocene boundary*, by Berit V. Eriksen & Lawrence G. Straus (eds.). New York: Pergamon, 1998”. *Geoarchaeology* 14(4):369-371.
- Blackburn, R. H.  
 1982 “In the land of milk and honey: Okiek adaptations to their forests and neighbours”, in *Politics and history in band societies*, by Eleanor B. Leacock & Richard B. Lee (eds.), pp. 283-305. Cambridge & Paris: Cambridge University Press & Editions de la Maison des Sciences de l’Homme.
- Blurton Jones, N. G., Marlowe, F. W., Hawkes, K. & O’Connell, J. F.  
 2000 “Paternal investment and hunter-gatherer divorce rates”, in *Adaptation and human behavior: an anthropological perspective*, by Lee Cronk, Napoleon Chagnon & William Irons (eds.), pp. 69-90. Hawthorne, NY: Aldine de Gruyter, Evolutionary Foundations of Human Behavior.
- Bogin, B.  
 2011 !Kung nutritional status and the original “affluent society”: a new analysis. *Anthropologischer Anzeiger* 68(4):349-366.
- Bremen, V. von  
 2000 “Dynamics of adaptation to market economy among the Ayoréode of northwest Paraguay”, in *Hunters and gatherers in the modern world: conflict, resistance, and self-determination*, by Peter P. Schweitzer, Megan Biesele & Robert K. Hitchcock (eds.), pp. 275-286. Oxford: Berghahn.
- BurnSilver, S. & Magdanz, J.  
 2019 Heterogeneity in mixed economies: implications for sensitivity and adaptive capacity. *Hunter Gatherer Research* 3(4):601-633.
- Cadelina, R. V.  
 1985 “Social responses to cyclical food stress: the case of a Philippine marginal agriculturalist”, in *Human adaptation to environment*, by Amitabha Basu & Barun Mukhopadhyay (eds.), pp. 55-74. Calcutta: Indian Anthropological Society.
- Condon, R. G., Collings, P. & Wenzel, G.  
 1995 The best part of life: subsistence hunting, ethnicity, and economic adaptation among young adult Inuit males. *Arctic* 48(1):31-46.
- Cronk, L., Chagnon, N. & Irons, W. (eds.)  
 2000 *Adaptation and human behaviour: an anthropological perspective*. Hawthorne, NY: Aldine de Gruyter, Evolutionary Foundations of Human Behavior. 527 p.
- Eder, J.  
 1987 *On the road to tribal extinction: depopulation, deculturation, and adaptive well-being among the Batak of the Philippines*. Berkeley, CA: University of California Press. 277 p.  
 1988 “Hunter-gatherer/farmer exchange in the Philippines: some implications for ethnic identity and adaptive well-being”, in *Ethnic diversity and the control of natural resources in Southeast Asia*, by A. Terry Rambo, Kathleen Gillogly & Karl L. Hutterer (eds.), pp. 37-57. Ann Arbor, MI: University of Michigan, Center for South and Southeast Asian Studies, Michigan Papers on South and Southeast Asia No. 32.

- Estioko-Griffin, A. & Griffin, P. B.  
 1981 "The beginnings of cultivation among Agta hunter-gatherers in northeast Luzon", in *Adaptive strategies and change in Philippine swidden-based societies*, by Harold Olofson (ed.), pp. 55-72. College, Laguna, Philippines: Forest Research Institute.
- Freeman, M. M. R.  
 1996 "Identity, health and social order: Inuit dietary traditions in a changing world", in *Human ecology and health: adaptation to a changing world*, by Maj-Lis Follér & Lars O. Hansson (eds.), pp. 57-72. Göteborg: Section of Human Ecology, Göteborg University.
- Gardner, P.  
 1983 Cyclical adaptations on variable cultural frontiers. *Nomadic Peoples* 12:14-19.  
 1985 Bicultural oscillation as a long-term adaptation to cultural frontiers: cases and questions. *Human Ecology* 13(4):411-432.  
 2000 *Bicultural versatility as a frontier adaptation among Paliyan foragers of South India*. Lewiston, NY: Edwin Mellen Press, Studies in the History and Civilization of India Vol. 2. 280 p.  
 2012 Seventy years of south Indian hunter-gatherer research. *Before Farming* 2012/3 article 1:1-10.
- Garvey, R. & Bettinger, R. L.  
 2014 "Adaptive and ecological approaches to the study of hunter-gatherers", in *The Oxford handbook of the archaeology and anthropology of hunter-gatherers*, by Vicki Cummings, Peter Jordan & Marek Zvelebil (eds.), pp. 69-91. Oxford: Oxford University Press, Oxford Handbooks in Archaeology.
- Gomes, A.  
 1982 *Ecological adaptation and population change: a comparative study of Semang foragers and Temuan horticulturalists in West Malaysia*. Honolulu, HI: East-West Center, East-West Environment and Policy Institute, Research Report No. 12. 51 p.  
 1983 "Demography and environmental adaptation: a comparative study of the two aboriginal populations in West Malaysia", in *Population change in Southeast Asia*, by Wilfredo F. Arce & Gabriel C. Alvarez (eds.), pp. 391-431. Singapore: Institute of Southeast Asian Studies.
- Guenther, M.  
 1986 From foragers to miners and bands to bandits: on the flexibility and adaptability of Bushman band societies. *Sprache und Geschichte in Africa* 7(1):133-159.
- Guglielmino, C. R., Viganotti, C., Hewlett, B. & Cavalli-Sforza, L. L.  
 1995 Cultural variation in Africa: role of mechanisms of transmission and adaptation. *PNAS* 92(16):7585-7589.
- Harris, D. R.  
 1978 "Adaptation to a tropical rain-forest environment: Aboriginal subsistence in northeastern Queensland", in *Human behaviour and adaptation*, by N. G. Blurton-Jones & V. Reynolds (eds.), pp. 113-134. London: Taylor and Francis, Symposia of the Society for the Study of Human Biology Vol. 18.
- Hewlett, B. S., Lamb, M. E., Leyendecker, B. & Schölmerich, A.  
 2000 "Parental investment strategies among Aka foragers, Ngandu farmers

- and Euro-American urban-industrialists”, in *Adaptation and human behavior: an anthropological perspective*, by Lee Cronk, Napoleon Chagnon & William Irons (eds.), pp.155-178. Hawthorne, NY: Aldine de Gruyter, Evolutionary Foundations of Human Behavior.
- Hill, K.  
 2007 “Evolutionary biology, cognitive adaptations, and human culture”, in *The evolution of mind: fundamental questions and controversies*, by Steven W. Gangestad & Jeffrey A. Simpson (eds.), pp. 348-356. New York: Guilford Press.
- Hill, K. & Hawkes, K.  
 1983 “Neotropical hunting among the Aché of eastern Paraguay”, in *Adaptive responses of native Amazonians*, by Raymond B. Hames & William T. Vickers (eds.), pp. 139-188. New York: Academic Press.
- Hitchcock, R. K.  
 1982 “Prehistoric hunter-gatherer adaptations”, in *Proceedings of the symposium on settlement in Botswana: the historical development of a human landscape*, by R. Renée Hitchcock & Mary R. Smith (eds.), pp. 47-65. Gaborone: Heinemann Educational Books in collaboration with Botswana Society.
- Hurtado, A. M., Hurtado, I. & Hill, K.  
 2004 “Public health and adaptive immunity among natives of South America”, in *Lost paradises and the ethics of research and publication*, by Francisco M. Salzano & A. Magdalena Hurtado (eds.), pp. 164-192. New York: Oxford University Press.
- Johnson, A. L.  
 2008 Distinguishing environmental and density-dependent aspects of adaptation. *Before Farming* 2008/4 article 5:1-14.
- Jordan, P. & Cummings, V.  
 2014 “Analytical frames of reference in hunter-gatherer research”, in *The Oxford handbook of the archaeology and anthropology of hunter-gatherers*, by Vicki Cummings, Peter Jordan & Marek Zvelebil (eds.), pp. 33-42. Oxford: Oxford University Press, Oxford Handbooks in Archaeology.
- Kameda, T., Takezawa, M. & Hastie, R.  
 2003 The logic of social sharing: an evolutionary game analysis of adaptive norm development. *Personality and Social Psychology Review* 7(1):2-19.  
 2005 Where do social norms come from? The example of communal sharing. *Current Directions in Psychological Science* 14(6):331-334.
- Kelly, R. L.  
 1990 “Marshes and mobility in the western Great Basin”, in *Wetland adaptations in the Great Basin*, by Joel C. Janetski & David B. Madsen (eds.), pp. 259-276. Provo, UT: Brigham Young University, Museum of Peoples and Cultures, Occasional Papers No. 1.  
 1993 Review of “*Ice Age hunters of the Rockies*, by Dennis J. Stanford & Jane Stevenson Day (eds.). Denver, CO & Niwot, CO: Denver Museum of Natural History & University Press of Colorado, 1992 & *Clovis: origins and adaptations*, by Robson Bonnichsen & Karen L. Turnmire (eds.). Corvallis, OR: Oregon State University, 1991”. *American Anthropologist* (N.S.) 95(1):201-203.

- 1995 "Hunter-gatherer lifeways in the Carson Desert: a context for bioarchaeology", in *Bioarchaeology of the Stillwater Marsh: prehistoric human adaptation in the western Great Basin*, by Clark Spencer Larsen & Robert L. Kelly (eds.), pp. 12-32. New York: American Museum of Natural History, Anthropological Papers of the American Museum of Natural History Vol. 77.
- 2003 "Colonization of new land by hunter-gatherers: expectations and implications based on ethnographic data", in *Colonization of unfamiliar landscapes: the archaeology of adaptation*, by Marcy Rockman & James Steele (eds.), pp. 44-58. London: Routledge.
- Kelly, R. L. & Todd, L. C.  
1988 Coming into the country: early Paleoindian hunting and mobility. *American Antiquity* 53(2):231-244.
- Knight, C., Studdert-Kennedy, M. & Hurford, J. R.  
2000 "Language: a Darwinian adaptation?", in *The evolutionary emergence of language: social function and the origins of linguistic form*, by Chris Knight, Michael Studdert-Kennedy & James R. Hurford (eds.), pp. 1-15. Cambridge: Cambridge University Press.
- Larsen, C. S. & Kelly, R. L.  
1995a (eds.) *Bioarchaeology of the Stillwater Marsh: prehistoric human adaptation in the western Great Basin*. New York: American Museum of Natural History, Anthropological Papers of the American Museum of Natural History Vol. 77. 170 p.  
1995b "Summary and conclusions", in *Bioarchaeology of the Stillwater Marsh: prehistoric human adaptation in the western Great Basin*, by Clark Spencer Larsen & Robert L. Kelly (eds.), pp. 134-137. New York: American Museum of Natural History, Anthropological Papers of the American Museum of Natural History Vol. 77.
- Larsen, C. S., Kelly, R. L., Ruff, C. B., Schoeninger, M. J. & Hutchinson, D. L.  
1996 "Biobehavioral adaptations in the western Great Basin", in *Case studies in environmental archaeology*, by Elizabeth J. Reitz, Lee A. Newsom & Sylvia J. Scudder (eds.), pp.149-174. New York: Plenum Press, Interdisciplinary Contributions to Archaeology.
- Larsen, C. S., Kelly, R. L., Ruff, C. B., Schoeninger, M. J., Hutchinson, D. L. & Hemphill, B. E.  
2008 "Living on the margins: biobehavioral adaptations in the western Great Basin", in *Case studies in environmental archaeology*, 2nd ed., by Elizabeth Reitz, C. Margaret Scarry & Silvia J. Scudder (eds.), pp. 161-189. New York: Springer, Interdisciplinary Contributions to Archaeology.
- Larsen, C. S., Ruff, C. B. & Kelly, R. L.  
1995 "Structural analysis of the Stillwater postcranial human remains: behavioral implications of articular joint pathology and long bone diaphyseal morphology", in *Bioarchaeology of the Stillwater Marsh: prehistoric human adaptation in the western Great Basin*, by Clark Spencer Larsen & Robert L. Kelly (eds.), pp. 107-133. New York: American Museum of Natural History, Anthropological Papers of the American Museum of Natural History Vol. 77.
- Layton, R. H.  
2005 "Are immediate-return strategies adaptive?", in *Property and equality*,

- Vol. 1: *ritualisation, sharing, egalitarianism*, by Thomas Widlok & Wolde Gossa Tadesse (eds.), pp. 130-150. Oxford: Berghahn.
- Lye, T.-P.  
 2013 Making friends in the rainforest: “negrito” adaptation to risk and uncertainty. *Human Biology* 85(1-3):417-443.
- Marín Arroyo, A. B.  
 2009 Economic adaptations during the Late Glacial in northern Spain: a simulation approach. *Before Farming* 2009/2 article 3:1-18.
- Nolin, D. A.  
 2008 Food-sharing networks in Lamalera, Indonesia: tests of adaptive hypotheses. Ph.D. Thesis, University of Washington. 206 p.
- O’Connor, S. & Bulbeck, D.  
 2014 “*Homo sapiens* societies in Indonesia and south-eastern Asia”, in *The Oxford handbook of the archaeology and anthropology of hunter-gatherers*, by Vicki Cummings, Peter Jordan & Marek Zvelebil (eds.), pp. 346-367. Oxford: Oxford University Press, Oxford Handbooks in Archaeology.
- Peterson, N.  
 1976 “The natural and cultural areas of Aboriginal Australia: a preliminary analysis of population groupings with adaptive significance”, in *Tribes and boundaries in Australia*, by Nicolas Peterson (ed.), pp. 50-71. Canberra: Australian Institute of Aboriginal Studies, Social Anthropology Series No. 10.  
 1979 “Territorial adaptations among desert hunter-gatherers: the !Kung and Australians compared”, in *Social and ecological systems*, by P. C. Burnham & R. F. Ellen (eds.), pp. 111-129. London: Academic Press.
- Pettitt, P. B.  
 2014 “The European Upper Palaeolithic”, in *The Oxford handbook of the archaeology and anthropology of hunter-gatherers*, by Vicki Cummings, Peter Jordan & Marek Zvelebil (eds.), pp. 279-309. Oxford: Oxford University Press, Oxford Handbooks in Archaeology.
- Sandbukt, Ø.  
 1982 Duano littoral fishing: adaptive strategies within a money economy. Ph.D. Thesis, University of Cambridge. 696 p.
- Ståhlberg, S. & Svanberg, I.  
 2010 Loplyk fishermen: ecological adaptation in the Taklamakan Desert. *Anthropos* 105(2):423-439.
- Sugiyama, L. S., Tooby, J. & Cosmides, L.  
 2002 Cross-cultural evidence of cognitive adaptations for social exchange among the Shiwiar of Ecuadorian Amazonia. *PNAS* 99(17):11537-11542.
- Takada, A.  
 2010 Changes in developmental trends of caregiver-child interactions among the San: evidence from the !Xun of northern Namibia. *African Study Monographs* Supplementary Issue 40:155-177.
- Tooby, J. & Cosmides, L.  
 1992 “The psychological foundations of culture”, in *The adapted mind: evolutionary psychology and the generation of culture*, by Jerome H. Barkow, Leda Cosmides & John Tooby (eds.), pp. 19-136. New York: Oxford University Press.

- Umezaki, M. & Jiang, H.  
 2009 Changing adaptive strategies of two Li ethnic minority villages in a mountainous region of Hainan Island, China. *Japanese Journal of Southeast Asian Studies* 47(3):348-362.
- Vickers, W. T.  
 1989 *Los Sionas y Secoyas: su adaptación al ambiente amazónica*. Quito: ABYA-YALA, 500 Años No. 9, Pueblos del Ecuador 10. 374 p.
- Vierich, H.  
 1982 “Adaptive flexibility in a multi-ethnic setting: the Basarwa of the southern Kalahari”, in *Politics and history in band societies*, by Eleanor B. Leacock & Richard B. Lee (eds.), pp. 213-222. Cambridge & Paris: Cambridge University Press & Editions de la Maison des Sciences de l’Homme.
- Wickham-Jones, C.  
 2014 “Coastal adaptations”, in *The Oxford handbook of the archaeology and anthropology of hunter-gatherers*, by Vicki Cummings, Peter Jordan & Marek Zvelebil (eds.), pp. 694-711. Oxford: Oxford University Press, Oxford Handbooks in Archaeology.
- Ziker, J. P. & Fulk, K. S.  
 2018 “Indigenous Siberian food sharing networks: social innovation in a transforming economy”, in *Collaborative innovation networks: building adaptive and resilient organizations*, by Francesca Grippa, João Leitão, Julia Gluesing, Ken Riopelle & Peter Gloor (eds.), pp. 117-127. Cham: Springer, Studies on Entrepreneurship, Structural Change and Industrial Dynamics.