## **Readings in Economic Prehistory**

## **Department of Economics**

## **Simon Fraser University**

## December 2016

This is a compilation of working papers, articles, and books written by economists on the subject of economic prehistory. Prehistory is loosely defined to mean the period between the evolution of anatomically modern humans and the appearance of written documents.

The bibliography was compiled by Greg Dow, Leanna Mitchell, and Scott Skjei, and it borrows heavily from Greg's joint research with Clyde Reed. Funding was provided by the Social Sciences and Humanities Research Council of Canada and also by the Human Evolutionary Studies Program at Simon Fraser University.

The list includes research on hunter-gatherers; marriage and kinship; technological change; sedentism; agriculture; property rights; warfare; inequality; the state; social collapse; and the implications of prehistory for modern economic growth.

This bibliography does not provide systematic coverage of human biological evolution; economic development; growth theory; or economic history proper. However, a few such papers are included (typically those we have used in our own research projects).

We do not cover the huge literature on prehistory by archaeologists and anthropologists. Interested readers will find many references to this literature in the items listed here.

We want to update this bibliography regularly and make it as complete as possible. Any suggestions about working papers or published material suitable for inclusion should be sent to Greg Dow, Department of Economics, Simon Fraser University (gdow@sfu.ca). Please include complete citations or web links to such materials whenever possible.

We would also appreciate hearing about errors or suggestions for improvement.

- Acemoglu, Daron and James Robinson, 2012, Why Nations Fail: The Origins of Power, Prosperity, and Poverty, Crown Publishers, New York.
- Ahlerup, Pelle and Ola Olsson, 2011, The roots of ethnic diversity, <u>Journal of Economic Growth</u> 17, 71-102.
- Aiyar, Shekhar, Carl-Johan Dalgaard, and Omer Moav, 2008, Technological progress and regress in pre-industrial times, <u>Journal of Economic Growth</u> 13(2), June, 125-44.
- Allen, Robert C., 1997, Agriculture and the origins of the state in ancient Egypt, Explorations in Economic History 34(2), April, 135-154.
- Allen, Robert C., 2008, A review of Gregory Clark's "A Farewell to Alms: A Brief Economic History of the World", <u>Journal of Economic Literature</u> 46(4), December, 946-73.
- Aoki, Masahiko, 2010, Understanding Douglass North in game-theoretic language, Structural Change and Economic Dynamics 21(2), May, 139-46.
- Ashraf, Quamrul and Oded Galor, 2011, Dynamics and stagnation in the Malthusian epoch, <u>American Economic Review</u> 101(5), August, 2003-41.
- Ashraf, Quamrul and Oded Galor, 2013, The "Out of Africa" hypothesis, human genetic diversity, and comparative economics development, <u>American Economic Review</u> 103(1), February, 1-46.
- Ashraf, Quamrul and Stelios Michalopoulos, 2011, The climatic origins of the Neolithic Revolution: Theory and evidence, Working Paper No. 2010-02, Department of Economics, Williams College.
- Ashraf, Quamrul and Stelios Michalopoulos, 2015, Climatic fluctuations and the diffusion of agriculture, <u>Review of Economics and Statistics</u> 97(3), July, 589-609.
- Ashraf, Quamrul, Ö. Özak, and Oded Galor, 2010, Isolation and development, <u>Journal of the European Economic Association</u>, 8(2/3), 401-12.
- Bai, Ying and James Kai-sing Kung, 2011, Climate shocks and Sino-nomadic conflict, Review of Economics and Statistics 93(3), August, 970-81.
- Baker, Matthew J., 2003, An equilibrium conflict model of land tenure in hunter-gatherer societies, Journal of Political Economy 111(1), February, 124-73.
- Baker, Matthew J., 2008, A structural model of the transition to agriculture, <u>Journal of Economic Growth</u> 13(4), December, 257-92.

- Baker, Matthew J. and Erwin H. Bulte, 2010, Kings and Vikings: On the dynamics of competitive agglomeration, <u>Economics of Governance</u> 11(3), 207-27.
- Baker, Matthew, Erwin H. Bulte, and Jacob Weisdorf, 2010, The origins of governments: From anarchy to hierarchy, <u>Journal of Institutional Economics</u> 6(2), June, 215-42.
- Baker, Matthew J. and Joyce P. Jacobsen, 2007, A human capital-based theory of postmarital residence rules, <u>Journal of Law</u>, <u>Economics and Organization</u>, 23(1), April, 208-41.
- Baker, Matthew J. and Kurtis Swope, 2004, Sharing, gift-giving, and optimal resource use incentives in hunter-gatherer society, Departmental Working Papers 8, United States Naval Academy, Department of Economics, May, available at http://ideas.repec.org/p/usn/usnawp/8.html
- Bleaney, Michael and Arcangelo Dimico, 2011, Biogeographical conditions, the transition to agriculture and long-run growth, <u>European Economic Review</u> 55(7), October, 943-54.
- Bockstette, Valerie, Areendam Chandra, and Louis Putterman, 2002, States and markets: The advantage of an early start, <u>Journal of Economic Growth</u> 7(4), December, 347-69.
- Borgerhoff Mulder, M., Mulder, S. Bowles, T. Hertz, A. Bell, J. Beise, G. Clark, I. Fazzio, M. Gurven, K. Hill, P. Hooper, W. Irons, H. Kaplan, D. Leonetti, B. Low, F. Marlowe, R. McElreath, S. Naidu, D. Nolin, P. Piraino, R. Quinlan, E. Schniter, R. Sear, M. Shenk, E. A. Smith, C. von Rueden, and P. Wiessner, 2009, Intergenerational wealth transmission and the dynamics of inequality in small-scale societies, Science 326(5953), October 30, 682-8.
- Boserup, Ester, 1965, <u>The Conditions of Agricultural Growth: The Economics of Agrarian Change Under Population Pressure</u>, London, Earthscan Publications.
- Bowles, Samuel, 2006, Group competition, reproductive leveling, and the evolution of human altruism, <u>Science</u> 314(5805), December 8, 1569-72.
- Bowles, Samuel, 2007, Genetically capitalist? Review of G. Clark, "A Farewell to Alms: A Brief Economic History of the World", <u>Science</u> 318, October 19, 394-6.
- Bowles, Samuel, 2009, Did warfare among ancestral hunter-gatherers affect the evolution of human social behaviors? Science 324(5932), June 5, 1293-8.
- Bowles, Samuel, 2011, The cultivation of cereals by the first farmers was not more productive than foraging, <u>Proceedings of the National Academy of Sciences USA</u> 108(12), March 22, 4760-65.

- Bowles, Samuel, 2012, Warriors, levelers, and the role of conflict in human social evolution, <u>Science</u> 336(6083), May 18, 876-9.
- Bowles, Samuel, 2013, Comment on Fry and Soderberg, Lethal aggression in mobile forager bands and implications for the origins of war, July 19, http://tuvalu.santafe.edu/~bowles/
- Bowles, Samuel and Jung-Kyoo Choi, 2013a, Coevolution of farming and private property during the early Holocene, <u>Proceedings of the National Academy of Sciences</u> 110(22), May 28, 8830-35.
- Bowles, Samuel and Jung-Kyoo Choi, 2013b, The origin of private property, working paper, Santa Fe Institute.
- Bowles, Samuel, and Herbert Gintis, 2011, <u>A Cooperative Species: Human Reciprocity and Its Evolution</u>, Princeton University Press, Princeton, NJ.
- Brander, James and Scott Taylor, 1998, The simple economics of Easter Island: A Ricardo-Malthus model of renewable resource use, <u>American Economic Review</u> 88(1), March, 119-38.
- Bulte, Erwin, Richard D. Horan, and Jason F. Shogren, 2006, Megafauna extinction: A paleoeconomic theory of human overkill in the Pleistocene, <u>Journal of Economic Behavior and Organization</u> 59(3), March, 291-323.
- Chandra, A. and Louis Putterman, 2007, Early starts, reversals and catch-up in the process of economic development, <u>Scandinavian Journal of Economics</u> 109, 387-413.
- Choi, Jung-Kyoo and Samuel Bowles, 2007, The coevolution of parochial altruism and war, <u>Science</u> 318(5850), October 26, 636-40.
- Clark, Gregory, 2006, Does the Malthusian model describe all societies until 1800? Paper presented at the First Conference on Early Economic Developments, University of Copenhagen, August 2006.
- Clark, Gregory, 2007, <u>A Farewell to Alms: A Brief Economic History of the World</u>, Princeton, Princeton University Press.
- Clark, Gregory, 2008, Symposium on Gregory Clark's A Farewell to Alms: In defense of the Malthusian interpretation of history, <u>European Review of Economic History</u> 12(2), August, 175-99.
- Comin, Diego, William Easterly, and Erick Gong, 2010, Was the wealth of nations determined in 1000 BC?, <u>American Economic Journal: Macroeconomics</u> 2(3), 65-97.

- Crafts, Nicholas and Terence C. Mills, 2009, From Malthus to Solow: How did the Malthusian economy really evolve?, <u>Journal of Macroeconomics</u>, 31(1), March, 68-93.
- DeLong, J. Bradford, 1998, Estimating world GDP, one million B.C. present, working paper, Department of Economics, University of California-Berkeley, available at http://econ161.berkeley.edu/TCEH/1998\_Draft/World\_GDP/Estimating\_World\_ GDP.html
- Do, Quy-Toan, Sriya Iyer, and Shareen Joshi, 2013, The economics of consanguineous marriages, Review of Economics and Statistics 95(3), July, 904-18.
- Dow, Gregory K., Clyde G. Reed, and Nancy Olewiler, 2009, Climate reversals and the transition to agriculture, <u>Journal of Economic Growth</u> 14(1), March, 27-53.
- Dow, Gregory K. and Clyde G. Reed, 2011, Stagnation and innovation before agriculture, <u>Journal of Economic Behavior and Organization</u> 77(3), March, 339-50.
- Dow, Gregory K. and Clyde G. Reed, 2013, The origins of inequality: Insiders, outsiders, elites, and commoners, <u>Journal of Political Economy</u> 121(3), June, 609-41.
- Dow, Gregory K. and Clyde G. Reed, 2015, The origins of sedentism: Climate, population, and technology, <u>Journal of Economic Behavior and Organization</u> 119, November, 56-71; online, Aug. 27, 2015, DOI 10.1016/j.jebo.2015.07.007.
- Dow, Gregory K., Clyde G. Reed, and Simon Woodcock, 2016, The economics of exogamous marriage in small-scale societies, <u>Economic Inquiry</u> 54(4), October, 1805-1823; online, February 23, 2016, DOI 10.1111/ecin/12321.
- Dow, Gregory K., Leanna Mitchell, and Clyde G. Reed, 2016, The economics of early warfare over land, Department of Economics, Simon Fraser University.
- Eaton, Curtis, Mukesh Eswaran and Robert Oxoby, 2011, 'Us' and 'Them": The origin of identity, and its economic implications, <u>Canadian Journal of Economics</u> 44(3), August, 719-48.
- Galor, Oded, 2005, From stagnation to growth: Unified growth theory, ch. 4 in Philippe Aghion and Steven Durlauf, eds., <u>Handbook of Economic Growth</u>, vol. 1, Elsevier, 171-293, available at http://econpapers.repec.org/bookchap/eeegrochp/
- Galor, Oded and Omer Moav, 2002, Natural selection and the origin of economic growth, Quarterly Journal of Economics 117(4), November, 1133-92.

- Galor, Oded and Omer Moav, 2007, The Neolithic origins of contemporary variations in life expectancy, Brown University Department of Economics working paper 2007-14, http://papers.ssrn.com/sol3/papers.cfm?abstract\_id=1012650
- Galor, Oded and Stelios Michalopoulos, 2012, Evolution and the growth process: Natural selection of entrepreneurial traits, <u>Journal of Economic Theory</u> 147(2), 759-780.
- Galor, Oded and David N. Weil, 1999, From Malthusian stagnation to modern growth, <u>American Economic Review</u> 89(2), May, 150-4.
- Galor, Oded and David Weil, 2000, Population, technology, and growth: From Malthusian stagnation to the demographic transition and beyond, <u>American Economic Review</u> 90(4), September, 806-28.
- Goodfriend, M. and J. McDermott, 1995, Early development, <u>American Economic Review</u> 85, 116-33.
- Grantham, George, 2006, Prehistoric origins of European economic integration, available at http://ideas.repec.org/p/mcl/mclwop/2006-28.html
- Grossman, Herschel I., 2002, 'Make us a king': Anarchy, predation, and the state, <u>European Journal of Political Economy</u> 18(1), March, 31-46.
- Guzman, Ricardo Andres, 2008, Many hands make hard work, or why agriculture is not a puzzle, available at http://ideas.repec.org/p/pra/mprapa/4148.html
- Guzman, Ricardo Andres and Jacob L. Weisdorf, 2011, The Neolithic Revolution from a price-theoretic perspective, <u>Journal of Development Economics</u> 96(2), November, 209-19.
- Hanley, Nick; Dugald Tinch; Konstantinos Angelopoulos; Althea Davies; Edward B. Barbier; and Fiona Watson, 2009, What drives long-run biodiversity change? New insights from combining economics, palaeoecology and environmental history, <u>Journal of Environmental Economics and Management</u> 57(1), January, 5-20.
- Hansen, G.D. and E. Prescott, 2002, Malthus to Solow, <u>American Economic Review</u> 92, 1205-17.
- Hibbs, Douglas and Ola Olsson, 2004, Geography, biogeography, and why some countries are rich and others are poor, <u>Proceedings of the National Academy of Sciences</u> 101, 3715-20.
- Hirschleifer, Jack, 2001, <u>The Dark Side of the Force</u>, Cambridge, Cambridge University Press.

- Horan, Richard D., Jason F. Shogren, and Erwin Bulte, 2003, A paleoeconomic theory of co-evolution and extinction of domesticable animals, <u>Scottish Journal of Political Economy</u> 50(2), 131-48.
- Horan, Richard D., Erwin Bulte, and Jason F. Shogren, 2005, How trade saved humanity from biological exclusion: an economic theory of Neanderthal extinction, <u>Journal of Economic Behavior and Organization</u> 58(1), September, 1-29.
- Horan, Richard, Erwin Bulte, and Jason Shogren, 2008, Coevolution of human speech and trade, <u>Journal of Economic Growth</u> 13(4), December, 293-313.
- Horan, Richard D., Jason F. Shogren, and Erwin H. Bulte, 2008. Competitive exclusion, diversification, and the origins of agriculture, Annual Meeting, July 27-29, 2008, Orlando, Florida 6410, American Agricultural Economics Association (New Name 2008: Agricultural and Applied Economics Association). http://ideas.repec.org/e/pbu155.html
- Horan, Richard D., Jason F. Shogren, and Erwin H. Bulte, 2011, Joint determination of biological encephalization and economic specialization, <u>Resource and Energy Economics</u> 33(2), May, 426-39.
- Jones, Charles I., 2001, Was an industrial revolution inevitable? Economic growth over the very long run, <u>Advances in Macroeconomics</u> 1(2), 1-43.
- Kalemli-Ozcan, S., 2002, Does the mortality decline promote economic growth? <u>Journal of Economic Growth</u> 7(4), December, 411-39.
- Kogel, R. and A. Prskawetz, 2001, Agricultural productivity growth and escape from the Malthusian trap, <u>Journal of Economic Growth</u> 6(4), December, 337-57.
- Kremer, Michael, 1993, Population growth and technological change: One million B.C. to 1990, <u>Quarterly Journal of Economics</u> 108(3), August, 681-716.
- Lagerlof, Nils-Petter, 2003, From Malthus to modern growth: Can epidemics explain the three regimes? <u>International Economic Review</u> 44, 753-77.
- Lagerlof, Nils-Petter, 2009, Slavery and other property rights, <u>Review of Economic Studies</u> 76(1), January, 319-42.
- Lagerlöf, Nils-Petter, 2010, Pacifying monogamy, <u>Journal of Economic Growth</u> 15(3), 235-62.
- Locay, Luis, 1989, From hunting and gathering to agriculture, <u>Economic Development</u> and <u>Cultural Change</u>, 37(4), July, 737-56.
- Locay, Luis, 1997, Population equilibrium in primitive societies, <u>Quarterly Review of Economics and Finance</u> 37(4), September, 747-67.

- Malthus, Thomas R., 1798[2004], <u>An Essay on the Principle of Population</u>, edited by Philip Appleman, 2nd ed., Norton, New York.
- Marceau, Nicolas and Gordon Myers, 2006, On the early Holocene: Foraging to early agriculture, <u>Economic Journal</u> 116(513), July, 751-72.
- Mayshar, Joram, Omer Moav, and Zvika Neeman, 2013, Geography, transparency and institutions, CEPR Discussion Paper 9625, September <a href="http://papers.ssrn.com/sol3/papers.cfm?abstract\_id=2339139">http://papers.ssrn.com/sol3/papers.cfm?abstract\_id=2339139</a>
- Michalopoulos, Stelios, 2012, The origins of ethnolinguistic diversity, <u>American Economic Review</u> 102(4), June, 1508-39.
- Mokyr, Joel, 2002, <u>Gifts of Athena: Historical Origins of the Knowledge Economy</u>, Princeton, Princeton University Press.
- North, Douglass C., 1977, Markets and other allocation systems in history: The challenge of Karl Polanyi, <u>Journal of European Economic History</u> 6, 703-19.
- North, Douglass C., 1981, Structure and Change in Economic History, London, Norton.
- North, Douglass C. and Robert Paul Thomas, 1977, The first economic revolution, <u>Economic History Review</u>, Second Series, 30(2), May, 229-41.
- North, Douglass C., John Wallis, and Barry R. Weingast, 2009, Violence and the rise of open-access orders, <u>Journal of Democracy</u> 20(1), January, 55-68.
- North, Douglass C., John Wallis, and Barry R. Weingast, 2009, <u>Violence and Social Orders: A Conceptual Framework for Interpreting Recorded Human History</u>, Cambridge University Press, New York.
- Nunn, Nathan and Diego Puga, 2012, Ruggedness: The blessing of bad geography in Africa, Review of Economics and Statistics 94(1), February, 20-36.
- Olsson, Ola, 2001, The rise of Neolithic agriculture, Working Papers in Economics 57, Department of Economics, Goteborg University, September, available at http://ideas.repec.org/p/hhs/gunwpe/0057.html
- Olsson, Ola, 2005, Geography and institutions: A review of plausible and implausible linkages, Journal of Economics 10(1), 31-53.
- Olsson, Ola and Douglas A. Hibbs, Jr., 2005, Biogeography and long-run economic development, <u>European Economic Review</u> 49(4), May, 909-38.

- Olsson, Ola and Christopher Paik, 2012, A Western reversal since the Neolithic? The long-run impact of early agriculture, Working Paper No. 552, Department of Economics, University of Gothenburg.
- Posner, Richard A., 1980, A theory of primitive society, with special reference to law, <u>Journal of Law and Economics</u> 23(1), April, 1-53.
- Pryor, Frederic, 1983, Causal theories about the origins of agriculture, <u>Research in Economic History</u> 8, 93-124.
- Pryor, Frederic, 1986, The adoption of agriculture: Some theoretical and empirical evidence, <u>American Anthropologist</u> 88(4), December, 879-97.
- Pryor, Frederic, 2004, From foraging to farming: The so-called "Neolithic Revolution", in Alexander J. Field, Gregory Clark, and William A. Sundstrom, eds., Research in Economic History 22, Elsevier, JAI Press, August, 1-41.
- Putterman, Louis, 2008, Agriculture, diffusion and development: Ripple effects of the Neolithic revolution, <u>Economica</u> 75(300), November, 729-748.
- Putterman, Louis and David N. Weil, 2010, Post-1500 population flows and the long-run determinants of economic growth and inequality, <u>Quarterly Journal of Economics</u> 125, 1627-82.
- Robson, Arthur J., 2010, A bioeconomic view of the Neolithic transition to agriculture, Canadian Journal of Economics 43(1), February, 280-300.
- Robson, Arthur and Hillard Kaplan, 2006, The economics of hunter-gatherer societies and the evolution of human characteristics, <u>Canadian Journal of Economics</u> 39 (2), May, 375-398.
- Rowthorn, Robert, Ricardo Andrés Guzmán, and Carlos Rodríguez-Sickert, 2014, The economics of social stratification in premodern societies, <u>Journal of Mathematical Sociology</u> 38(3), 19 June, 175-202, **DOI:**10.1080/0022250X.2012.724488
- Rowthorn, Robert; Ricardo Andres Guzman; and Carlos Rodriguez-Sickert, 2009, Theories of the evolution of cooperative behaviour: A critical survey plus some new results, available at http://ideas.repec.org/p/pra/mprapa/12574.html
- Rowthorn, Robert and Paul Seabright, 2010, Property rights, warfare and the Neolithic transition, IDEI working paper no. 654, November, available at http://idei.fr/display.php?a=23850
- Seabright, Paul, 2004, <u>The Company of Strangers: A Natural History of Economic Life</u>, Princeton, Princeton University Press.

- Sharp, Paul, Holger Strulik, and Jacob Weisdorf, 2010, The determinants of income in a Malthusian equilibrium, November, available at http://www.holger-strulik.uni.me/my\_papers/sharp\_weisdorf\_jde.pdf
- Smith, Vernon L., 1975, The primitive hunter culture, Pleistocene extinction, and the rise of agriculture, <u>Journal of Political Economy</u> 83(4), August, 727-56.
- Smith, Vernon, 1992, Economic principles in the emergence of humankind, <u>Economic Inquiry</u> 30, 1-13.
- Spolaore, Enrico and Romain Wacziarg, 2013, How deep are the roots of economic development?, <u>Journal of Economic Literature</u> 51(2), 325-69.
- Steckel, Richard H., 2003, What can be learned from skeletons that might interest economists, historians, and other social scientists, <u>American Economic Review</u> 93(2), May, 213-20.
- Steckel, Richard H., 2003, Research project: A history of health in Europe from the late Paleolithic era to the present, <u>Economics and Human Biology</u> 1(1), January, 139-42.
- Steckel, Richard H., 2005, Young adult mortality following severe physiological stress in childhood: Skeletal evidence: <u>Economics and Human Biology</u> 3(2), July, 314-28.
- Steckel, Richard H., 2008, Biological measures of the standard of living, <u>Journal of Economic Perspectives</u> 22(1), Winter, 129-52.
- Steckel, Richard H., 2009, Heights and human welfare: Recent developments and new directions, <u>Explorations in Economic History</u> 46(1), January, 1-23.
- Steckel, Richard H., 2010, Inequality amidst nutritional abundance: Native Americans on the Great Plains, <u>Journal of Economic History</u> 70(2), June, 265-86.
- Steckel, Richard H. and Joseph M. Prince, 2001, Tallest in the world: Native Americans of the Great Plains in the nineteenth century, <u>American Economic Review</u> 91(1), March, 287-94.
- Steckel, Richard and John Wallis, 2007, Stones, bones, and states: A new approach to the Neolithic Revolution, available at http://econweb.umd.edu/~wallis/Research.htm
- Tamura, R., 2002, Human capital and the switch from agriculture to industry, <u>Journal of Economic Dynamics and Control</u> 27, 207-42.
- Weisdorf, Jacob L., 2003, Stone age economics: The origins of agriculture and the emergence of non-food specialists, Discussion Paper 03-34, Institute of Economics, University of Copenhagen, available at

- http://www.econ.ku.dk/okojwe/
- Weisdorf, Jacob L., 2005, From foraging to farming: Explaining the Neolithic revolution, <u>Journal of Economic Surveys</u> 19(4), September, 561-86.
- Weisdorf, Jacob L., 2009, Why did the first farmers toil? Human metabolism and the origins of agriculture, <u>European Review of Economic History</u> 13(2), August, 157-72.
- Wu, Lemin, 2013, Millennia of poverty: If not Malthusian, then why?, http://wulemin.weebly.com/uploads/1/4/6/2/14620598/wu\_lemin\_jmp\_malthusian \_constancy.pdf