

POZNÁMKY

- 1 Viz Ann Gibbons, 'Food for Thought: Did the First Cooked Meals Help Fuel the Dramatic Evolutionary Expansion of the Human Brain?', *Science* 316:5831 (2007), 1558–1560.
- 2 Robin Dunbar, *Grooming, Gossip, and the Evolution of Language* (Cambridge, Mass.: Harvard University Press, 1998).
- 3 Michael L. Wilson a Richard W. Wrangham, 'Intergroup Relations in Chimpanzees', *Annual Review of Anthropology* 32 (2003), 363–392; M. McFarland Symington, 'Fission-Fusion Social Organization in *Ateles* and *Pan*', *International Journal of Primatology*, 11:1 (1990), 49; Colin A. Chapman a Lauren J. Chapman, 'Determinants of Groups Size in Primates: The Importance of Travel Costs', in *On the Move: How and Why Animals Travel in Groups*, ed. Sue Boinsky a Paul A. Garber (Chicago: University of Chicago Press, 2000), 26.
- 4 Dunbar, *Grooming, Gossip, and the Evolution of Language*, 69–79; Leslie C. Aiello a R. I. M. Dunbar, 'Neocortex Size, Group Size, and the Evolution of Language', *Current Anthropology* 34:2 (1993), 189. Kritiku tohoto přístupu lze nalézt v: Christopher McCarthy et al., 'Comparing Two Methods for Estimating Network Size', *Human Organization* 60:1 (2001), 32; R. A. Hill a R. I. M. Dunbar, 'Social Network Size in Humans', *Human Nature* 14:1 (2003), 65.
- 5 Yvette Taborin, 'Shells of the French Aurignacian and Perigordian', in *Before Lascaux: The Complete Record of the Early Upper Paleolithic*, ed. Heidi Knecht, Anne Pike-Tay a Randall White (Boca Raton: CRC Press, 1993), 211–28.
- 6 G. R. Summerhayes, 'Application of PIXE-PIGME to Archaeological Analysis of Changing Patterns of Obsidian Use in West New Britain, Papua New Guinea', in *Archaeological Obsidian Studies: Method and Theory*, ed. Steven M. Shackley (New York: Plenum Press, 1998), 129–58.
- 7 Christopher Ryan a Cacilda Jethá, *Sex at Dawn: The Prehistoric Origins of Modern Sexuality* (New York: Harper, 2010).
- 8 Noel G. Butlin, *Economics and the Dreamtime: A Hypothetical History* (Cambridge: Cambridge University Press, 1993), 98–101; Richard Broome,

- Aboriginal Australians* (Sydney: Allen & Unwin, 2002), 15; William Howell Edwards, *An Introduction to Aboriginal Societies* (Wentworth Falls, N.S.W.: Social Science Press, 1988), 52.
- 9 Fekri A. Hassan, *Demographic Archaeology* (New York: Academic Press, 1981), 196–99; Lewis Robert Binford, *Constructing Frames of Reference: An Analytical Method for Archaeological Theory Building Using Hunter Gatherer and Environmental Data Sets* (Berkeley: University of California Press, 2001), 143.
- 10 Brian Hare, *The Genius of Dogs: How Dogs Are Smarter Than You Think* (Dutton: Penguin Group, 2013).
- 11 Paul Seabright, *The Company of Strangers: A Natural History of Economic Life* (Princeton: Princeton University Press, 2004), 261 pozn. 2; M. Henneberg a M. Steyn, 'Trends in Cranial Capacity and Cranial Index in Subsaharan Africa During the Holocene', *American Journal of Human Biology* 5:4 (1993): 473–79.
- 12 Nicholas G. Blurton Jones et al., 'Antiquity of Postreproductive Life: Are There Modern Impact on Hunter-Gatherer Postreproductive Life Spans?', *American Journal of Human Biology* 14 (2002), 184–205.
- 13 Kim Hill a A. Magdalena Hurtado, *Aché Life History: The Ecology and Demography of a Foraging People* (New York: Aldine de Gruyter, 1996), 164, 236.
- 14 Hill a Hurtado, *Aché Life History*, 78.
- 15 Vincenzo Formicola a Alexandra P. Buzhilova, 'Double Child Burial from Sunghir (Russia): Pathology and Inferences for Upper Paleolithic Funerary Practices', *American Journal of Physical Anthropology* 124:3 (2004), 189–98; Giacomo Giacobini, 'Richness and Diversity of Burial Rituals in the Upper Paleolithic', *Diogenes* 54:2 (2007), 19–39.
- 16 I. J. N. Thorpe, 'Anthropology, Archaeology, and the Origin of Warfare', *World Archaeology* 35:1 (2003), 145–65; Raymond C. Kelly, *Warless Societies and the Origin of War* (Ann Arbor: University of Michigan Press, 2000); Azar Gat, *War in Human Civilization* (Oxford: Oxford University Press, 2006); Lawrence H. Keeley, *War before Civilization: The Myth of the Peaceful Savage* (Oxford: Oxford University Press, 1996); Slavomil Vencl, 'Stone Age Warfare', in *Ancient Warfare: Archaeological Perspectives*, ed. John Carman a Anthony Harding (Stroud: Sutton Publishing, 1999), 57–73.
- 17 James F. O'Connell a Jim Allen, 'Pre-LGM Sahul (Pleistocene Australia – New Guinea) and the Archeology of Early Modern Humans', in *Rethinking the Human Revolution: New Behavioural and Biological Perspectives on the Origin and Dispersal of Modern Humans*, ed. Paul Mellars, Ofer Bar-Yosef, Katie Boyle (Cambridge: McDonald Institute for Archaeological Research, 2007), 395–410; James F. O'Connell a Jim Allen, 'When Did Humans First Arrived in Grater Australia and Why Is It Important to Know?', *Evolutionary Anthropology*, 6:4 (1998), 132–46; James F. O'Connell a Jim Allen, 'Dating

- the Colonization of Sahul (Pleistocene Australia – New Guinea): A Review of Recent Research', *Journal of Radiological Science* 31:6 (2004), 835–53; Jon M. Erlandson, 'Anatomically Modern Humans, Maritime Voyaging, and the Pleistocene Colonization of the Americas', in *The first Americans: the Pleistocene Colonization of the New World*, ed. Nina G. Jablonski (San Francisco: University of California Press, 2002), 59–60, 63–64; Jon M. Erlandson a Torben C. Rick, 'Archeology Meets Marine Ecology: The Antiquity of Maritime Cultures and Human Impacts on Marine Fisheries and Ecosystems', *Annual Review of Marine Science* 2 (2010), 231–51; Atholl Anderson, 'Slow Boats from China: Issues in the Prehistory of Indo-China Seafaring', *Modern Quaternary Research in Southeast Asia*, 16 (2000), 13–50; Robert G. Bednarik, 'Maritime Navigation in the Lower and Middle Paleolithic', *Earth and Planetary Sciences* 328 (1999), 559–60; Robert G. Bednarik, 'Seafaring in the Pleistocene', *Cambridge Archaeological Journal* 13:1 (2003), 41–66.
- 18 Timothy F. Flannery, *The Future Eaters: An Ecological History of the Australasian Lands and Peoples* (Port Melbourne, Vic.: Reed Books Australia, 1994); Anthony D. Barnosky et al., 'Assessing the Causes of Late Pleistocene Extinctions on the Continents', *Science* 306:5693 (2004): 70–75; Bary W. Brook a David M. J. S. Bowman, 'The Uncertain Blitzkrieg of Pleistocene Megafauna', *Journal of Biogeography* 31:4 (2004), 517–23; Gifford H. Miller et al., 'Ecosystem Collapse in Pleistocene Australia and a Human Role in Megafaunal Extinction', *Science* 309:5732 (2005), 287–90; Richard G. Roberts et al., 'New Ages for the Last Australian Megafauna: Continent Wide Extinction about 46,000 Years Ago', *Science* 292:5523 (2001), 1888–92.
- 19 Stephen Wroe a Judith Field, 'A Review of Evidence for a Human Role in the Extinction of Australian Megafauna and an Alternative Explanation', *Quaternary Science Reviews* 25:21–22 (2006), 2692–2703; Barry W. Brooks et al., 'Would the Australian Megafauna Have Become Extinct If Humans Had Never Colonised the Continent? Comments on "A Review of the Evidence for a Human Role in the Extinction of Australian Megafauna and an Alternative Explanation" by S. Wroe a J. Field', *Quaternary Science Reviews* 26:3–4 (2007), 560–564; Chris S. M. Turney et al., 'Late-Surviving Megafauna in Tasmania, Australia, Implicate Human Involvement in their Extinction', *Proceedings of the National Academy of Sciences* 105:34 (2008), 12150–53.
- 20 John Alroy, 'A Multispecies Overkill Simulation of the End-Pleistocene Megafaunal Mass Extinction', *Science*, 292:5523 (2001), 1893–96; O'Connell a Allen, 'Pre-LGM Sahul', 400–1.
- 21 L. H. Keeley, 'Proto-Agricultural Practices Among Hunter-Gatherers: A Cross-Cultural Survey', in *Last Hunters, First Farmers: New Perspectives on the Prehistoric Transition to Agriculture*, ed. T. Douglas Price a Anne Birgitta Gebauer (Santa Fe, N.M.: School of American Research Press, 1995), 243–72; R. Jones, 'Firestick Farming', *Australian Natural History* 16 (1969), 224–28.

- 22 David J. Meltzer, *First Peoples in a New World: Colonizing Ice Age America* (Berkeley: University of California Press, 2009).
- 23 Paul L. Koch a Anthony D. Barnosky, 'Late Quaternary Extinctions: State of the Debate', *The Annual Review of Ecology, Evolution, and Systematics* 37 (2006), 215–50; Anthony D. Barnosky et al., 'Assessing the Causes of Late Pleistocene Extinctions on the Continents', 70–5.
- 24 Mapa se opírá hlavně o práci: Peter Bellwood, *First Farmers: The Origins of Agricultural Societies* (Malden: Blackwell Pub., 2005).
- 25 Azar Gat, *War in Human Civilization* (Oxford: Oxford University Press, 2006), 130–131.
- 26 Katherine A. Spielmann, 'A Review: Dietary Restriction on Hunter-Gatherer Women and the Implications for Fertility and Infant Mortality', *Human Ecology* 17:3 (1989), 321–45. Viz. také: Bruce Winterhalder a Eric Alder Smith, 'Analyzing Adaptive Strategies: Human Behavioral Ecology at Twenty Five', *Evolutionary Anthropology* 9:2 (2000), 51–72.
- 27 Alain Bideau, Bertrand Desjardins a Hector Perez-Brignoli (eds.), *Infant and Child Mortality in the Past* (Oxford: Clarendon Press, 1997); Edward Anthony Wrigley et al., *English Population History from Family Reconstitution, 1580–1837* (Cambridge: Cambridge University Press, 1997), 295–96, 303.
- 28 Manfred Heun et al., 'Site of Einkorn Wheat Domestication Identified by DNA Fingerprints', *Science* 278:5341 (1997), 1312–14.
- 29 Charles Patterson, *Eternal Treblinka: Our Treatment of Animals and the Holocaust* (New York: Lantern Books, 2002), 9–10; Peter J. Ucko a G.W. Dimbleby (ed.), *The Domestication and Exploitation of Plants and Animals* (London: Duckworth, 1969), 259.
- 30 Avi Pinkas (ed.), *Farmyard Animals in Israel – Research, Humanism and Activity* (Rishon Le-Ziyyon: The Association for Farmyard Animals, 2009 [hebrejsky]), 169–199; "Milk Production – the Cow" [Hebrew], The Dairy Council, accessed March 22, 2012, http://www.milk.org.il/cgi-webaxy/sal/sal.pl?lang=he&ID=645657_milk&act=show&dbid=katavot&dataid=cow.htm
- 31 Edward Evan Evans-Pritchard, *The Nuer: A Description of the Modes of Livelihood and Political Institutions of a Nilotic People* (Oxford: Oxford University Press, 1969); E. C. Amoroso a P. A. Jewell, 'The Exploitation of the Milk-Ejection Reflex by Primitive People', in *Man and Cattle: Proceedings of the Symposium on Domestication at the Royal Anthropological Institute, 24–26 May 1960*, ed. A. E. Mourant a F. E. Zeuner (London: The Royal Anthropological Institute, 1963), 129–34.
- 32 Johannes Nicolaisen, *Ecology and Culture of the Pastoral Tuareg* (Copenhagen: National Museum, 1963), 63.
- 33 Angus Maddison, *The World Economy*, sv. 2 (Paříž: Development Centre of the Organization of Economic Co-operation and Development, 2006), 636; "Historical Estimates of World Population", U.S. Census Bureau, dohledáno 10. prosince 2010, <http://www.census.gov/ipc/www/worldhis.html>.

- 34 Robert B. Mark, *The Origins of the Modern World: A Global and Ecological Narrative* (Lanham, MD: Rowman & Littlefield Publishers, 2002), 24.
- 35 Raymond Westbrook, 'Old Babylonian Period', in *A History of Ancient Near Eastern Law*, sv. 1, ed. Raymond Westbrook (Leiden: Brill, 2003), 361–430; Martha T. Roth, *Law Collections from Mesopotamia and Asia Minor*, 2. vydání, ed. (Atlanta: Scholars Press, 1997), 71–142; M. E. J. Richardson, *Hammurabi's Laws: Text, Translation and Glossary* (London: T & T Clark International, 2000).
- 36 Josef Klíma, *Nejstarší zákony lidstva – Chamurapi a jeho předchůdci* (Praha, Academia, 1979), 119.
- 37 Josef Klíma, *Nejstarší zákony lidstva*, 138.
- 38 Josef Klíma, *Nejstarší zákony lidstva*, 138–139.
- 39 Josef Klíma, *Nejstarší zákony lidstva*, 143.
- 40 Constance Brittain Bouchard, *Strong of Body, Brave and Noble: Chivalry and Society in Medieval France* (New York: Cornell University Press, 1998), 99; Mary Martin McLaughlin, 'Survivors and Surrogates: Children and Parents from the Ninth to Thirteenth Centuries', in *Medieval Families: Perspectives on Marriage, Household and Children*, ed. Carol Neel (Toronto: University of Toronto Press, 2004), 81 pozn. 81; Lise E. Hull, *Britain's Medieval Castles* (Westport: Praeger, 2006), 144.
- 41 Marcia a Robert Ascher, *Mathematics of the Incas- Code of the Quipu* (New York: Dover Publications, 1981).
- 42 Gary Urton. *Signs of the Inka Khipu* (Austin: University of Texas Press, 2003); Galen Brokaw. *A History of the Khipu* (Cambridge: Cambridge University Press, 2010).
- 43 Stephen D. Houston (ed.), *The First Writing: Script Invention as History and Process* (Cambridge: Cambridge University Press, 2004), 222.
- 44 Sheldon Pollock, 'Axialism and Empire', in *Axial Civilizations and World History*, ed. Johann P. Arnason, S. N. Eisenstadt a Björn Wittrock (Leiden: Brill, 2005), 397–451.
- 45 Harold M. Tanner, *China: A History* (Indianapolis: Hackett, Pub. Co., 2009), 34.
- 46 Ramesh Chandra, *Identity and Genesis of Caste System in India* (Delhi: Kalpaz Publications, 2005); Michael Bamshad et al., 'Genetic Evidence on the Origins of Indian Caste Population', *Genome Research* 11 (2001): 904–1004; Susan Bayly, *Caste, Society and Politics in India from the Eighteenth Century to the Modern Age* (Cambridge: Cambridge University Press, 1999).
- 47 Houston, *First Writing*, 196.
- 48 Generální tajemník Spojených národů, *Report of the Secretary-General on the In-depth Study on All Forms of Violence Against Women*, předneseno Valnému shromáždění Spojených národů, U. N. Doc. A/16/122/Add.1 (6. července 2006), 89.
- 49 Sue Blundell, *Women in Ancient Greece* (Cambridge, Mass.: Harvard University Press, 1995), 113–29, 132–33.

- 50 Francisco López de Gómara, *Historia de la Conquista de Mexico*, sv. 1, ed. D. Joaquin Ramirez Cabañes (Mexico City: Editorial Pedro Robredo, 1943), 106.
- 51 Andrew M. Watson, 'Back to Gold – and Silver', *Economic History Review* 20:1 (1967), 11–12; Jasim Alubudi, *Repertorio Bibliográfico del Islam* (Madrid: Vision Libros, 2003), 194.
- 52 Watson, 'Back to Gold – and Silver', 17–18.
- 53 David Graeber, *Debt: The First 5,000 Years* (Brooklyn, N. Y.: Melville House, 2011).
- 54 Glyn Davies, *A History of Money: from Ancient Times to the Present Day* (Cardiff: University of Wales Press, 1994), 15.
- 55 Szymon Laks, *Music of Another World*, překlad Chester A. Kisiel (Evanston, Ill.: Northwestern University Press, 1989), 88–89. Osvětinský trh se týkal jen některých vězňů a podmínky se postupem času radikálně měnily.
- 56 Niall Ferguson, *The Ascent of Money* (New York: The Penguin Press, 2008), 4.
- 57 Informace o ječmeni jako měně jsem čerpal z nepublikované doktorské práce: Refael Benvenisti, *Economic Institutions of Ancient Assyrian Trade in the Twentieth to Eighteenth Centuries BC* (Hebrew University of Jerusalem, nepublikovaná doktorská práce, 2011). Viz také Norman Yoffee, 'The Economy of Ancient Western Asia', in *Civilizations of the Ancient Near East*, sv. 1, ed. J. M. Sasson (New York: C. Scribner's Sons, 1995), 1387–99; R. K. Englund, 'Proto-Cuneiform Account-Books and Journals', in *Creating Economic Order: Record-keeping, Standardization, and the Development of Accounting in the Ancient Near East*, ed. Michael Hudson and Cornelia Wunsch (Bethesda, MD: CDL Press, 2004), 21–46; Marvin A. Powell, 'A Contribution to the History of Money in Mesopotamia prior to the Invention of Coinage', in *Festschrift Lubor Matouš*, ed. B. Hruška and G. Komoróczy (Budapest: Eötvös Loránd Tudományegyetem, 1978), 211–43; Marvin A. Powell, 'Money in Mesopotamia', *Journal of the Economic and Social History of the Orient*, 39:3 (1996), 224–42; John F. Robertson, 'The Social and Economic Organization of Ancient Mesopotamian Temples', in *Civilizations of the Ancient Near East*, sv. 1, ed. Sasson, 443–500; M. Silver, 'Modern Ancients', in *Commerce and Monetary Systems in the Ancient World: Means of Transmission and Cultural Interaction*, ed. R. Rollinger and U. Christoph (Stuttgart: Steiner, 2004), 65–87; Daniel C. Snell, 'Methods of Exchange and Coinage in Ancient Western Asia', in *Civilizations of the Ancient Near East*, sv. 1, ed. Sasson, 1487–97.
- 58 Nahum Megged, *The Aztecs* (Tel Aviv: Dvir, 1999 [Hebrew]), 103.
- 59 Tacitus, *Agricola*, kap. 30 (Cambridge, Mass.: Harvard University Press, 1958), str. 220–21.
- 60 A. Fienup-Riordan, *The Nelson Island Eskimo: Social Structure and Ritual Distribution* (Anchorage: Alaska Pacific University Press, 1983), str. 10.
- 61 Yuri Pines, 'Nation States, Globalization and United Empire – the Chinese Experience (third to fifth centuries BC)', *Historia* 15 (1995), 54 [hebrejsky].

- 62 Alexander Yakobson, 'Us and Them: Empire, Memory and Identity in Claudius' Speech on Bringing Gauls into the Roman Senate', in *On Memory: An Interdisciplinary Approach*, ed. Doron Mendels (Oxford: Peter Land, 2007), 23–24.
- 63 W. H. C. Frend, *Martyrdom and Persecution in the Early Church* (Cambridge: James Clarke & Co., 2008), 536–37.
- 64 Robert Jean Knecht, *The Rise and Fall of Renaissance France, 1483–1610* (London: Fontana Press, 1996), 424.
- 65 Marie Harm a Hermann Wiehle, *Lebenskunde fuer Mittelschulen – Fuenfter Teil. Klasse 5 fuer Jungen* (Halle: Hermann Schroedel Verlag, 1942), 152–57.
- 66 Susan Blackmore, *The Meme Machine* (Oxford: Oxford University Press, 1999).
- 67 David Christian, *Maps of Time: An Introduction to Big History* (Berkeley: University of California Press, 2004), 344–45; Angus Maddison, *The World Economy*, sv. 2 (Paris: Development Centre of the Organization of Economic Co-operation and Development, 2001), 636; 'Historical Estimates of World Population', U.S. Census Bureau, dohledáno 10. prosince 2010, <http://www.census.gov/ipc/www/worldhis.html>.
- 68 Maddison, *The World Economy*, sv. 1, 261.
- 69 "Gross Domestic Product 2009", The World Bank, Data and Statistics, dohledáno 10. prosince 2010, <http://siteresources.worldbank.org/DATASTATISTICS/Resources/GDP.pdf>.
- 70 Christian, *Maps of Time*, 141.
- 71 Největší současná nákladní loď může naložit přibližně 100 000 tun. V roce 1470 všechny obchodní flotily světa uvezly necelých 320 000 tun. V roce 1570 už globální tonáž dosáhla 730 000 tun (Maddison, *The World Economy*, sv. 1, 97).
- 72 Největší světová banka, The Royal Bank of Scotland, v roce 2007 uvedla, že má vklady v hodnotě 1,3 trilionu dolarů, což je pětkrát více než hodnota celosvětové roční produkce v roce 1500. Viz 'Annual Report and Accounts 2008', The Royal Bank of Scotland, 35, dohledáno 10. prosince 2010, http://files.shareholder.com/downloads/RBS/626570033x0x278481/eb7a003a-5c9b-41ef-bad3-81fb98a6c823/RBS_GRA_2008_09_03_09.pdf
- 73 Ferguson, *Ascent of Money*, 185–98.
- 74 Maddison, *The World Economy*, sv. 1, 31; Wrigley, *English Population History*, 295; Christian, *Maps of Time*, 450, 452; 'World Health Statistic Report 2009', 35–45, World Health Organization, accessed December 10, 2010 http://www.who.int/whosis/whostat/EN_WHS09_Full.pdf.
- 75 Wrigley, *English Population History*, 296.
- 76 'England, Interim Life Tables, 1980–82 to 2007–09', Office for National Statistics, dohledáno 22. března, 2012, <http://www.ons.gov.uk/ons/publications/re-reference-tables.html?edition=tc-m%3A77-61850>

- 77 Michael Prestwich, *Edward I* (Berkeley: University of California Press, 1988), 125–26.
- 78 Jennie B. Dorman et al., ‘The *age-1* and *daf-2* Genes Function in a Common Pathway to Control the Lifespan of *Caenorhabditis elegans*’, *Genetics* 141:4 (1995), 1399–1406; Koen Houthoofd et al., ‘Life Extension via Dietary Restriction is Independent of the Ins/IGF-1 Signaling Pathway in *Caenorhabditis elegans*’, *Experimental Gerontology* 38:9 (2003), 947–54.
- 79 Shawn M. Douglas, Ido Bachelet a George M. Church, ‘A Logic-Gated Nanorobot for Targeted Transport of Molecular Payloads’, *Science* 335:6070 (2012): 831–4; Dan Peer et al., ‘Nanocarriers As An Emerging Platform for Cancer Therapy’, *Nature Nanotechnology* 2 (2007): 751–60; Dan Peer et al., ‘Systemic Leukocyte-Directed siRNA Delivery Revealing Cyclin D1 as an Anti-Inflammatory Target’, *Science* 319:5863 (2008): 627–30.
- 80 Stephen R. Bown, *Scurvy: How a Surgeon, a Mariner, and a Gentleman Solved the Greatest Medical Mystery of the Age of Sail* (New York: Thomas Dunne Books, St. Martin’s Press, 2004); Kenneth John Carpenter, *The History of Scurvy and Vitamin C* (Cambridge: Cambridge University Press, 1986).
- 81 James Cook, *The Explorations of Captain James Cook in the Pacific, as Told by Selections of his Own Journals 1768–1779*, ed. Archibald Grenfell Price (New York: Dover Publications, 1971), 16–17; Gananath Obeyesekere, *The Apotheosis of Captain Cook: European Mythmaking in the Pacific* (Princeton: Princeton University Press, 1992), 5; J. C. Beaglehole, ed., *The Journals of Captain James Cook on His Voyages of Discovery*, vol. 1 (Cambridge: Cambridge University Press, 1968), 588.
- 82 Mark, *Origins of the Modern World*, 81.
- 83 Christian, *Maps of Time*, 436.
- 84 John Darwin, *After Tamerlane: The Global History of Empire since 1405* (London: Allen Lane, 2007), 239.
- 85 Soli Shahvar, ‘Railroads i. The First Railroad Built and Operated in Persia’, v internetové verzi *Encyclopaedia Iranica*, naposledy upraveno 7. dubna 2008, <http://www.iranicaonline.org/articles/railroads-i>; Charles Issawi, ‘The Iranian Economy 1925–1975: Fifty Years of Economic Development’, in *Iran under the Pahlavis*, ed. George Lenczowski (Stanford: Hoover Institution Press, 1978), 156.
- 86 Mark, *The Origins of the Modern World*, 46.
- 87 Kirkpatrick Sale, *Christopher Columbus and the Conquest of Paradise* (London: Tauris Parke Paperbacks, 2006), 7–13.
- 88 Edward M. Spiers, *The Army and Society: 1815–1914* (London: Longman, 1980), 121; Robin Moore, ‘Imperial India, 1858–1914’, in *The Oxford History of the British Empire: The Nineteenth Century*, sv. 3, ed. Andrew Porter (New York: Oxford University Press, 1999), 442.

- 89 Vinita Damodaran, 'Famine in Bengal: A Comparison of the 1770 Famine in Bengal and the 1897 Famine in Chotanagpur', *The Medieval History Journal* 10:1–2 (2007), 151.
- 90 Maddison, *World Economy*, sv. 1, 261, 264; 'Gross National Income Per Capita 2009, Atlas Method and PPP', The World Bank, dohledáno 10. prosince 2010, <http://siteresources.worldbank.org/DATASTATISTICS/Resources/GNIPC.pdf>.
- 91 Výpočty v mém příkladu s pekárnou nejsou zcela přesné. Banky smějí za každý dolar, který vlastní, půjčit deset dolarů, takže z každého milionu v sejfě půjčí maximálně cca 909 000 dolarů a 91 000 dolarů zůstane v bance. Čísla jsem zaokrouhlil, aby byl příklad jasnější. Je také nutno dodat, že banky svá pravidla ne vždy dodržují.
- 92 Carl Trocki, *Opium, Empire and the Global Political Economy* (New York: Routledge, 1999), 91.
- 93 Georges Nzongola-Ntalaja, *The Congo from Leopold to Kabila: A People's History* (London: Zed Books, 2002), 22.
- 94 Mark, *Origins of the Modern World*, 109.
- 95 Nathan S. Lewis and Daniel G. Nocera, 'Powering the Planet: Chemical Challenges in Solar Energy Utilization', *Proceedings of the National Academy of Sciences* 103:43 (2006), 15731.
- 96 Kazuhisa Miyamoto (ed.), 'Renewable Biological Systems for Alternative Sustainable Energy Production', *FAO Agricultural Services Bulletin* 128 (Osaka: Osaka University, 1997), kapitola 2.1.1, dohledáno 10. prosince 2010, <http://www.fao.org/docrep/W7241E/w7241e06.htm#2.1.1percent20solarpercent20energy>; James Barber, 'Biological Solar Energy', *Philosophical Transactions of the Royal Society A* 365:1853 (2007), 1007.
- 97 'International Energy Outlook 2010', U.S. Energy Information Administration, 9, dohledáno 10. prosince 2010, [http://www.eia.doe.gov/oiaf/ieo/pdf/0484\(2010\).pdf](http://www.eia.doe.gov/oiaf/ieo/pdf/0484(2010).pdf).
- 98 S. Venetsky, "'Silver" from Clay', *Metallurgist* 13:7 (1969), 451; Aftalion, Fred, *A History of the International Chemical Industry* (Philadelphia: University of Pennsylvania Press, 1991), 64; A. J. Downs, *Chemistry of Aluminum, Gallium, Indium and Thallium* (Glasgow: Blackie Academic & Professional, 1993), 15.
- 99 Jan Willem Erisman et al, 'How a Century of Ammonia Synthesis Changed the World' in *Nature Geoscience* 1 (2008), 637.
- 100 G. J. Benson and B. E. Rollin (eds.), *The Well-Being of Farm Animals: Challenges and Solutions* (Ames, IA: Blackwell, 2004); M.C. Appleby, J. A. Mench a B. O. Hughes, *Poultry Behaviour and Welfare* (Wallingford: CABI Publishing, 2004); J. Webster, *Animal Welfare: Limping Towards Eden* (Oxford: Blackwell Publishing, 2005); C. Druce a P. Lyubery, *Outlawed in Europe: How America Is Falling Behind Europe in Farm Animal Welfare* (New York: Archimedean Press, 2002).
- 101 Harry Harlow a Robert Zimmermann, 'Affectional Responses in the Infant Monkey', *Science* 130:3373 (1959), 421–432; Harry Harlow, 'The Nature of

- Love', *American Psychologist* 13 (1958), 673–685; Laurens D. Young et al., 'Early stress and later response to separate in rhesus monkeys', *American Journal of Psychiatry* 130:4 (1973), 400–405; K. D. Broad, J. P. Curley and E. B. Keverne, 'Mother-infant bonding and the evolution of mammalian social relationships', *Philosophical Transactions of the Royal Society B* 361:1476 (2006), 2199–2214; Florent Pittet et al., 'Effects of maternal experience on fearfulness and maternal behaviour in a precocial bird', *Animal Behavior* (March 2013), In Press-available online at: <http://www.sciencedirect.com/science/article/pii/S0003347213000547>).
- 102 "National Institute of Food and Agriculture", United States Department of Agriculture, accessed December 10, 2010, <http://www.csrees.usda.gov/qlinks/extension.html>.
- 103 Václav Smil, *The Earth's Biosphere: Evolution, Dynamics, and Change* (Cambridge, Mass.: MIT Press, 2002); Sarah Catherine Walpole et al., 'The Weight of Nations: An Estimation of Adult Human Biomass', *BMC Public Health* 12:439 (2012), <http://www.biomedcentral.com/1471-2458/12/439>
- 104 William T. Jackman, *The Development of Transportation in Modern England* (London: Frank Cass & co., 1966), 324–27; H. J. Dyos a D.H. Aldcroft, *British Transport – An economic survey from the seventeenth century to the twentieth* (Leicester: Leicester University Press, 1969), 124–31; Wolfgang Schivelbusch, *The Railway Journey: The Industrialization of Time and Space in the 19th Century* (Berkeley: University of California Press, 1986).
- 105 Pro detailní rozbor bezprecedentního stavu míru posledních několika desetiletí, viz především Steven Pinker, *The Better Angels of Our Nature: Why Violence Has Declined* (New York: Viking, 2011); Joshua S. Goldstein, *Winning the War on War: The Decline of Armed Conflict Worldwide* (New York, N. Y.: Dutton, 2011); Gat, *War in Human Civilization*.
- 106 'World Report on Violence and Health: Summary, Geneva 2002', World Health Organization, dohledáno 10. prosince 2010, http://www.who.int/whr/2001/en/whr01_annex_en.pdf. Úmrtnost v předchozích obdobích, viz Lawrence H. Keeley, *War before Civilization: The Myth of the Peaceful Savage* (New York: Oxford University Press, 1996).
- 107 'World Health Report, 2004', World Health Organization, 124, dohledáno 10. prosince 2010, http://www.who.int/whr/2004/en/report04_en.pdf.
- 108 Raymond C. Kelly, *Warless Societies and the Origin of War* (Ann Arbor: University of Michigan Press, 2000), 21. See also Gat, *War in Human Civilization*, 129–31; Keeley, *War before Civilization*.
- 109 Manuel Eisner, 'Modernization, Self-Control and Lethal Violence', *British Journal of Criminology* 41:4 (2001), 618–638; Manuel Eisner, 'Long-Term Historical Trends in Violent Crime', *Crime and Justice: A Review of Research* 30 (2003), 83–142; 'World Report on Violence and Health: Summary, Geneva 2002', World Health Organization, dohledáno 10. prosince 2010, http://www.who.int/whr/2001/en/whr01_annex_en.pdf; 'World Health Report,

- 2004', World Health Organization, 124, dohledáno 10. prosince 2010, http://www.who.int/whr/2004/en/report04_en.pdf.
- 110 Walker a Bailey, 'Body Counts in Lowland South American Violence,' 30.
- 111 K dalšímu čtení na téma psychologie a biochemie štěstí lze obzvláště doporučit následující: Jonathan Haidt, *The Happiness Hypothesis: Finding Modern Truth in Ancient Wisdom* (New York: Basic Books, 2006); R. Wright, *The Moral Animal: Evolutionary Psychology and Everyday Life* (New York: Vintage Books, 1994); M. Csikszentmihalyi, 'If We Are So Rich, Why Aren't We Happy?', *American Psychologist* 54:10 (1999): 821–27; F. A. Huppert, N. Baylis a B. Keverne (eds.), *The Science of Well-Being* (Oxford: Oxford University Press, 2005); Michael Argyle, *The Psychology of Happiness*, 2. vydání (New York: Routledge, 2001); Ed Diener (ed.), *Assessing Well-Being: The Collected Works of Ed Diener* (New York: Springer, 2009); Michael Eid and Randy J. Larsen (eds.), *The Science of Subjective Well-Being* (New York: Guilford Press, 2008); Richard A. Easterlin (ed.), *Happiness in Economics* (Cheltenham: Edward Elgar Pub., 2002); Richard Layard, *Happiness: Lessons from a New Science* (New York: Penguin, 2005).
- 112 Daniel Kahneman, *Thinking, Fast and Slow* (New York: Farrar, Straus and Giroux, 2011); Inglehart et al., 'Development, Freedom, and Rising Happiness', 278–281.
- 113 D. M. McMahon, *The Pursuit of Happiness: A History from the Greeks to the Present* (London: Allen Lane, 2006).
- 114 Keith T. Paige et al., 'De Novo Cartilage Generation Using Calcium Alginate-Chondrocyte Constructs', *Plastic and Reconstructive Surgery* 97:1 (1996), 168–78.
- 115 David Biello, 'Bacteria Transformed into Biofuels Refineries', *Scientific American*, 27. ledna 2010, dohledáno 10. prosince 2010, <http://www.scientificamerican.com/article.cfm?id=bacteria-transformed-into-biofuel-refineries>.
- 116 Gary Walsh, 'Therapeutic Insulins and Their Large-Scale Manufacture', *Applied Microbiology and Biotechnology* 67:2 (2005), 151–59.
- 117 Robert J. Wall et al., 'Genetically Enhanced Cows Resist Intramammary *Staphylococcus Aureus* Infection', *Nature Biotechnology* 23:4 (2005), 445–51.
- 118 Liangxue Lai et al., 'Generation of Cloned Transgenic Pigs Rich in Omega-3 Fatty Acids', *Nature Biotechnology* 24:4 (2006), 435–36.
- 119 Ya-Ping Tang et al., 'Genetic Enhancement of Learning and Memory in Mice', *Nature* 401 (1999), 63–69.
- 120 Zoe R. Donaldson a Larry J. Young, 'Oxytocin, Vasopressin and the Neurogenetics of Sociality', *Science* 322:5903 (2008), 900–904; Zoe R. Donaldson, 'Production of Germline Transgenic Prairie Voles (*Microtus Ochrogaster*) Using Lentiviral Vectors', *Biology of Reproduction* 81:6 (2009), 1189–1195.
- 121 Terri Pous, 'Siberian Discovery Could Bring Scientists Closer to Cloning Woolly Mammoth', *Time*, 17. září 2012, dohledáno 19. února 2013; Pasqualino Loi et al, 'Biological time machines: a realistic approach for cloning

- an extinct mammal', *Endangered Species Research* 14 (2011), 227–233; Leon Huynen, Craig D. Millar a David M. Lambert, 'Resurrecting ancient animal genomes: The extinct moa and more', *Bioessays* 34 (2012), 661–669.
- 122 Nicholas Wade, 'Scientists in Germany Draft Neanderthal Genome', *New York Times*, 12. února 2009, dohledáno 10. prosince 2010, http://www.nytimes.com/2009/02/13/science/13neanderthal.html?_r=2&ref=science; Zack Zorich, 'Should We Clone Neanderthals?', *Archaeology* 63:2 (2009), dohledáno 10. prosince 2010, <http://www.archaeology.org/1003/etc/neanderthals.html>.
- 123 Robert H. Waterston et al., 'Initial Sequencing and Comparative Analysis of the Mouse Genome', *Nature* 420:6915 (2002), 520.
- 124 'Hybrid Insect Micro Electromechanical Systems (HI-MEMS)', Microsystems Technology Office, DARPA, dohledáno 22. března 2012, http://www.darpa.mil/Our_Work/MTO/Programs/Hybrid_Insect_Micro_Electromechanical_Systems_percent28HI-MEMSpercent29.aspx. Viz také Sally Adee, 'Nuclear-Powered Transponder for Cyborg Insect', *IEEE Spectrum*, prosinec 2009, dohledáno 10. prosince 2010, http://spectrum.ieee.org/semiconductors/devices/nuclearpowered-transponder-for-cyborg-insect?utm_source=feedburner&utm_medium=feed&utm_campaign=Feedpercent3A+IeeeSpectrum+percent28IEEE+Spectrumpercent29&utm_content=Google+Reader; Jessica Marshall, 'The Fly Who Bugged Me', *New Scientist* 197:2646 (2008), 40–43; Emily Singer, 'Send In the Rescue Rats', *New Scientist* 183:2466 (2004), 21–22; Susan Brown, 'Stealth Sharks to Patrol the High Seas', *New Scientist* 189:2541 (2006), 30–31.
- 125 Bill Christensen, 'Military Plans Cyborg Sharks', *Live Science*, 7. března 2006, dohledáno 10. prosince 2010, http://www.livescience.com/technology/060307_shark_implant.html.
- 126 'Cochlear Implants', National Institute on Deafness and Other Communication Disorders, dohledáno 22. března 2012, <http://www.nidcd.nih.gov/health/hearing/pages/coch.aspx>
- 127 Retina Implant, <http://www.retina-implant.de/en/doctors/technology/default.aspx>.
- 128 David Brown, 'For 1st Woman With Bionic Arm, a New Life Is Within Reach', *The Washington Post*, 14. září 2006, dohledáno 10. prosince 2010, <http://www.washingtonpost.com/wp-dyn/content/article/2006/09/13/AR2006091302271.html?nav=E8>.
- 129 Miguel Nicolelis, *Beyond Boundaries: The New Neuroscience of Connecting Brains and Machines – and How It Will Change Our Lives* (New York: Times Books, 2011).
- 130 Chris Berdik, 'Turning Thought into Words', *BU Today*, 15. října 2008, dohledáno 22. března 2012, <http://www.bu.edu/today/2008/turning-thoughts-into-words/>.
- 131 Radoje Drmanac et al., 'Human Genome Sequencing Using Unchained Base Reads on Self-Assembling DNA Nanoarrays', *Science* 327:5961 (2010),

78–81; ‘Complete Genomics’ webové stránky: <http://www.completegenomics.com/>; Rob Waters, ‘Complete Genomics Gets Gene Sequencing under 5000\$ (Update 1)’, *Bloomberg*, 5. listopadu 2009, dohledáno 10. prosince 2010; <http://www.bloomberg.com/apps/news?pid=newsarchive&sid=aWutnyE4SoWw>; Fergus Walsh, ‘Era of Personalized Medicine Awaits’, *BBC News*, naposledy doplněno 8. dubna 2009, dohledáno 22. března 2012, <http://news.bbc.co.uk/2/hi/health/7954968.stm>; Leena Rao, ‘PayPal Co-Founder And Founders Fund Partner Joins DNA Sequencing Firm Halcyon Molecular’, *TechCrunch*, 24. září 2009, dohledáno 10. prosince 2010, <http://techcrunch.com/2009/09/24/paypal-co-founder-and-founders-fund-partner-joins-dna-sequencing-firm-halcyon-molecular/>.

132 Andrew Robinson, *The Story of Writing* (New York: Thames and Hudson, 1995), 63; Hans J. Nissen, Peter Damerow a Robert K. Englung, *Archaic Bookkeeping: Writing and Techniques of Economic Administration in the Ancient Near East* (Chicago, London: The University of Chicago Press, 1993), 36.