

References in *Groundbreakers*

Chapter One: An End and a Beginning

1. **The last common ancestor of humans and wild boar:**
 - Groenen, M., et al. (2012) Analyses of pig genomes provide insight into porcine demography and evolution. *Nature*, 491: 393–398. <https://doi.org/10.1038/nature11622>
 - Hedges, S., et al. (1996) Continental breakup and the ordinal diversification of birds and mammals. *Nature*, 381: 226–229. <https://doi.org/10.1038/381226a0>
2. **Wild boar emerged as a species between 3-4 million years ago in Southeast Asia, and arrived in Europe around 1 million years ago:** Groenen, M., et al. (2012) Analyses of pig genomes provide insight into porcine demography and evolution. *Nature*, 491: 393–398. <https://doi.org/10.1038/nature11622>
3. **Benedict Macdonald quotation on wild boar being ‘an ecological singularity’:** Macdonald, B. (2022) *Cornerstones: Wild Forces That Can Change Our World*. Bloomsbury: London.
4. **Wild boar arrived in Britain long before *Homo sapiens*:**
 - Per the following source, wild boar are known to have occurred in Britain from at least the Cromerian interglacial (lower Pleistocene, 600,000–450,000 BP): Albarella, U. (2010) Wild boar. In: O'Connor, T. and Sykes, N. (eds.). *Extinctions and Invasions: A Social History of British Fauna* (pp. 59-67). Oxbow Books: Oxford. [Chapter available online at https://eprints.whiterose.ac.uk/112814/1/Albarella_U._2010._Wild_boar._In_T.O_Con.pdf]
 - Per the following source, the earliest direct evidence for *Homo sapiens* presence in Britain dates to around 40,000 years old: Hendry, L. (n/d) First Britons. Natural History Museum. <https://www.nhm.ac.uk/discover/first-britons.html>
5. **The wild boar population of Britain may have been a million strong in its post-glacial heyday between 10,000 and 8,000 years ago:** Yalden, D. (1999) *The History of British Mammals*. T. & A. D. Poyser: London.
6. **Mesolithic archaeological sites where wild boar remains have been found:** Overton, N. (2018) Can hunter-gatherers ever ‘get to know’ their prey?: The role of environmental experiences and daily interactions in the formation of human–nonhuman relationships in the British Mesolithic and beyond. *Hunter Gatherer Research*, 4(2). <https://doi.org/10.3828/hgr.2018.10> [A Word file of this paper is available to download at https://research.manchester.ac.uk/files/87974045/Overton_2019_Can_Hunter_Gatherers_get_to_know_their_Prey_FINAL.docx]
7. **How wild boar may have been hunted by Mesolithic peoples:**
 - Magnell, O. (2005). Harvesting Wild Boar: a study of prey choice by hunters during the Mesolithic in South Scandinavia by analysis of age and sex structures in faunal remains. *Archaeofauna*, 14: 27-41. [Currently available to download at <https://revistas.uam.es/archaeofauna/article/download/7434/7741>]
 - George Monbiot in his book *Feral* makes reference to the finding of a wild boar skeleton in which two microliths were embedded (i.e. an arrow-head or

spearhead). The original reference is: Bell, M. (2007) Prehistoric Coastal Communities: The Mesolithic in Western Britain. *Council for British Archaeology Research Reports*, 149: <https://doi.org/10.5284/1081717>

8. **Kate MacLachlan's study of human-boar relations in the Mesolithic:**
MacLachlan, K. (2020). A Social Zooarchaeology of Wild Boar during the Mesolithic in Great Britain and Ireland (2020) (Masters dissertation, University of Manchester).
9. **Neolithic and Anglo-Saxon clearance of Britain's forests:** Rackham, O. (2011). Forest and upland. In: Crick, J. and van Houts, E. (eds.). *A Social History of England, 900–1200* (pp.46-55). Cambridge University Press: Cambridge.
10. **Marcelle Thiébaux quotation on the boar's 'man-slaying tusks':** Thiébaux, M. (1969). The Mouth of the Boar as a Symbol in Medieval Literature. *Romance Philology*, 22(3): 281–299. <http://www.jstor.org/stable/44940429>
11. **Alfred the Great was likened to a wild boar in his defence of his kingdom against the Vikings:** Asser, J. (2020) Asser's Life of Alfred. Translated by Cook, A. Ginn & Company: Boston. [Available at <https://www.gutenberg.org/files/63384/63384-h/63384-h.htm>]
12. **In Norse mythology, siblings Freyr and Freyja each had a boar for a companion:**
 - Encyclopedia Mythica (2001). Gullinbursti. <https://pantheon.org/articles/g/gullinbursti.html>
 - Encyclopedia Mythica (2006). Hildisvíni. <https://pantheon.org/articles/h/hildisvini.html>
13. **Humans brought the domestic pig to Europe from the Middle East around 8,500 years ago:** Frantz, L., et al. (2019). Ancient pigs reveal a near-complete genomic turnover following their introduction to Europe. *PNAS*, 116(35): 17231-17238. <https://doi.org/10.1073/pnas.1901169116>
14. **The time of the extinction of the aurochs in Britain:** Hall, S. (2008). A Comparative Analysis of the Habitat of the Extinct Aurochs and Other Prehistoric Mammals in Britain. *Ecography*, 31(2): 187–190. <http://www.jstor.org/stable/30244565>
15. **The time of the extinction of the Eurasian wild horse in Britain:** Bullock, D. (2009) What larger mammals did Britain have and what did they do? *British Wildlife*, 20(5). [Currently available at https://www.researchgate.net/profile/Davy-Mccracken/publication/235249399_Herbivores_in_space_extensive_grazing_systems_in_Europe/links/53d129ab0cf228d363e5a81c/Herbivores-in-space-extensive-grazing-systems-in-Europe.pdf#page=18]
16. **Emerging evidence for wolves interbreeding with domestic dogs in Britain:** Derek Gow (n/d). *The Hunt for the Iron Wolf*. Chelsea Green Publishing: London. [Forthcoming]
17. **Across Britain and the rest of the continent, the Middle Eastern genes of pigs ended up being almost entirely overwritten by those of European wild boar:** Frantz, L., et al. (2019). Ancient pigs reveal a near-complete genomic turnover

- following their introduction to Europe. *PNAS*, 116(35): 17231-17238.
<https://doi.org/10.1073/pnas.1901169116>
18. **Quotation from Sam White:** White, S. (2011). *From Globalized Pig Breeds to Capitalist Pigs: A Study in Animal Cultures and Evolutionary History*. *Environmental History*, 16(1): 94–120. <http://www.jstor.org/stable/23050648>
19. **The presence of European wild boar ancestry in old breeds such as the Tamworth and the Mangalitsa:**
- Manunza, A., et al. (2016) Romanian wild boars and Mangalitza pigs have a European ancestry and harbour genetic signatures compatible with past population bottlenecks. *Sci Rep*, 6: 29913. <https://doi.org/10.1038/srep29913>
 - Rare Breeds Survival Trust (n/d). Tamworth.
<https://www.rbst.org.uk/tamworth>
20. **Records of royal feasts including wild boar in the 1200s:** Malins, M. (2016) Feral wild boar: species review. *Quarterly Journal of Forestry*, 110 (3): 195-203.
<http://researchspace.bathspa.ac.uk/8474/1/8474.pdf>
21. **Quotation from Oliver Rackham on the last wild boar:** Rackham, O. (2011). Forest and upland. In: Crick, J. and van Houts, E. (eds.). *A Social History of England, 900–1200* (pp.46-55). Cambridge University Press: Cambridge.
22. **In the late 1600s, a French herald was said to have mocked his English counterpart for the country's lack of 'fierce animals...':** Albarella, U. (2010) Wild boar. In: O'Connor, T. and Sykes, N. (eds.). *Extinctions and Invasions: A Social History of British Fauna* (pp. 59-67). Oxbow Books: Oxford. [Chapter available online at
[https://eprints.whiterose.ac.uk/112814/1/Albarella U. 2010. Wild boar. In T.O Co n.pdf](https://eprints.whiterose.ac.uk/112814/1/Albarella_U._2010._Wild_boar._In_T.O_Co_n.pdf)]
23. **Gilbert White letter regarding a release of wild boar:** White, G. (1789) Letter IX. *The Natural History and Antiquities of Selborne*.
24. **In 1981, a farm in Cambridgeshire started rearing surplus boar from London Zoo's Whipsnade site:**
- Wildlife Online (n/d). Wild Boar.
<https://www.wildlifeonline.me.uk/animals/species/wild-boar>
 - Brown, C. (1993, 24 July) No wonder they're wild about the boar. *The Herald*.
<https://www.heraldscotland.com/news/12726962.no-wonder-theyre-wild-about-the-boar/>
25. **By the early 1990s there were 40 registered wild boar breeders in the UK:** Wildlife Online (n/d). Wild Boar.
<https://www.wildlifeonline.me.uk/animals/species/wild-boar>
26. **1998 Ministry of Agriculture, Fisheries and Food (MAFF) announcement on wild boar populations in England:** Goulding, M. (1998). Current Status and Potential Impact of Wild Boar (*Sus scrofa*) in the English Countryside: A Risk Assessment. Report to Conservation Management Division C, MAFF. [Currently available at <http://www.britishwildboar.org.uk/wildboarriskassessment1998.pdf>]

27. **The Forest of Dean population was officially recognised in 2004:** Central Science Laboratory (2004). The Ecology and Management of Wild boar in southern England. Defra. [The report is no longer available online, however, I can send this upon request]
28. **Scottish populations were officially identified in Lochaber and in Dumfries and Galloway in the 2000s:** NatureScot (2022). Research Report 1288: Updated non-native species risk assessment of feral pigs in Scotland.
<https://www.nature.scot/doc/naturescot-research-report-1288-updated-non-native-species-risk-assessment-feral-pigs-scotland>
29. **Full reference for Derek Harman's book:** Harman, D. (2013) *British Wild Boar: The Story So Far*. Skycat Publishing: Brent Eleigh.
30. **Who released the first group of wild boar into the Forest of Dean in 1999? This is based on rumour, although for further background, see:** O'Mahony, K. (2019). Feral bo(a)rderlands: living with and governing wild boar in the Forest of Dean. PhD Thesis, Cardiff University. <https://orca.cardiff.ac.uk/id/eprint/131010/>
31. **2008 Defra management strategy for free-living wild boar:** Defra (2008) Feral wild boar in England: An action plan. Currently available at <http://www.britishwildboar.org.uk/wild%20boar%20action%20plan.pdf>
32. **The Forestry Commission's strategy for wild boar in the Forest of Dean:** Feral Wild Boar in the Forest of Dean (n/d) Verderers of the Forest of Dean.
<https://www.deanverderers.org.uk/boar-in-forest-of-dean.html>
33. **Quotation from a Forestry England staff member:** O'Mahony, K. (2019). Feral bo(a)rderlands: living with and governing wild boar in the Forest of Dean. PhD Thesis, Cardiff University. <https://orca.cardiff.ac.uk/id/eprint/131010/>
34. **Wild boar numbers in the Forest of Dean:** Forestry England (2022). More information about Wild Boar. <https://www.forestryengland.uk/article/more-information-about-wild-boar>