APPENDICES:

The appendices to this thesis are to be found on the accompanying CD Rom.

1. Determination of susceptibility of blast furnace ore and roasted ore samples.
2. Determination of susceptibility of Myers Wood ore, roasted ore and slag samples.
3. Determination of susceptibility of Rosedale ore samples.
4. Determination of susceptibility of Tankersley ironstone and Penoncilla magnetite samples.
5. Determination of susceptibility of Myers Wood Trench A finds.
6. Determination of susceptibility of Rosedale roasted ore and Kamaishi magnetite samples.
7. Determination of susceptibility of Stingamires roasted ore and furnace in-fill samples.
8. Determination of susceptibility of Kyloe Cow Beck slag samples.
9. Determination of susceptibility of Myers Wood surface slag samples.
10. Determination of susceptibility of Myers Wood bulk slag samples (1).
11. Determination of susceptibility of Myers Wood bulk slag samples (2).
12. Determination of susceptibility of Stingamires slag samples.
13. Determination of susceptibility of blast furnace slag samples.
14. Determination of susceptibility of Rievaulx blast furnace slag samples.
15. Determination of susceptibility of Myers Wood natural clay, heat affected clay and furnace in-fill samples.
16. Hagg End magnetic susceptibility linear sampling.
17. Stingamires magnetic susceptibility linear sampling.
18. Myers Wood Trench A magnetic susceptibility linear sampling.
19. Stingamires monoblock linear sampling.
20. Hagg End Trenches 2 and 3 susceptibility depth sampling.
21. Determination of susceptibility of Ewecote Trench 2 iron smelting furnace archaeomagnetic dating sample remainder material.
22. Determination of susceptibility of Hagg End Trench 1 iron smelting furnace archaeomagnetic dating sample remainder material.
23. Determination of susceptibility of Stingamires Trench 2 iron smelting furnace archaeomagnetic dating sample remainder material.
24. Determination of susceptibility of Stingamires Trench 1 ore roasting area archaeomagnetic dating sample remainder material.
25. Determination of susceptibility of Kyloe Cow Beck iron smelting furnace archaeomagnetic dating sample remainder material.
26. Determination of susceptibility of Myers Wood Trench A ore roasting/charcoal production area archaeomagnetic dating sample remainder material.
27. Determination of susceptibility of Myers Wood Trench B context 207 archaeomagnetic dating sample remainder material.
28. Determination of susceptibility of Myers Wood Trench B contexts 267/270/271 archaeomagnetic dating sample remainder material.
29. Determination of susceptibility of Myers Wood Trench C archaeomagnetic dating sample remainder material.
30. Determination of susceptibility of Myers Wood Trench G archaeomagnetic dating sample remainder material.
31. Determination of susceptibility of Myers Wood Trench L archaeomagnetic dating sample remainder material.

32. Determination of susceptibility of Myers Wood Trench M archaeomagnetic dating sample remainder material.
33. Determination of susceptibility of lead slag samples from Swaledale.
34. Determination of susceptibility of lead slag samples from Grinton Smeltings bale site.
35. Determination of susceptibility of lead slag samples from Spout Gill bale site.
36. Determination of susceptibility of slag and other samples from Penguelan lead smelting site.
37. Determination of susceptibility of slag samples from Botchergate lead smelting site.
38. Determination of susceptibility of samples from Pentre Farm and Pentre Bridge lead smelting sites.
39. Determination of susceptibility of archaeomagnetic dating sample remainder material from Penguelan lead smelting site.
40. Totley Bole Hill geophysical survey report.
41. Determination of susceptibility of residue samples from glass production sites.
42. Traditional Charcoal Burn Project, Dalby Forest, North Yorkshire: Risk Assessment (Revision I): Geophysical survey work, data collection and sub-sampling.
43. Dalby traditional charcoal kiln: temperature records.
44. Determination of susceptibility of soil and ash samples from Dalby charcoal kiln site.
45. Determination of susceptibility of soil samples from Greencliffe Hag Wood charcoal platforms B and D.
46. Determination of susceptibility and fractional conversion data for natural clays from Bilsdale and other sources.
47. Determination of susceptibility variation with temperature for natural clays from Bilsdale and other sources.
48. Determination of susceptibility variation with temperature for natural clay samples from Stingamires SM04/112.
49. Bilsdale archaeomagnetic dating report.
50. Stingamires archaeomagnetic dating report.
51. Myers Wood archaeomagnetic dating report.
52. Botchergate archaeomagnetic dating report.
53. Penguelan archaeomagnetic dating report.
54. Archaeomagnetic dating: comparison of mean directions and precisions.
55. Optical microscopy of iron slag, lead slag and glass production residue samples.
56. SEM Analysis: iron smelting slag.
57. SEM Analysis: blast furnace slag.
58. SEM Analysis: lead smelting slag.
59. SEM Analysis: glass production residues.
60. SEM Analysis: glass production crucibles.

PAPERS, REPORTS AND PRESENTATIONS

Papers

Powell, A.J., McDonnell, J.G., Batt, C.M. and Vernon, R.W. 2002. An assessment of the magnetic response of an iron-smelting site. *Archaeometry* **44**, 651-665.

Reports

Archaeomagnetic dating of a furnace at Botchergate, Carlisle. September 2001.

Archaeomagnetic dating of a lead smelting hearth excavated at Penguelan, Cwmystwyth. March 2003.

Archaeomagnetic dating of furnaces and other features excavated at Hagg End and Ewecote, Bilsdale, North Yorkshire. July 2003.

Archaeomagnetic dating report for the Myers Wood Project: a joint investigation of an iron working site near Huddersfield, West Yorkshire. August 2003.

Archaeomagnetic dating of iron smelting features excavated at Stingamires, Bilsdale, North Yorkshire. September 2004.

Geophysical survey of lead smelting features identified on Totley Bole Hill, Blacka Moor Nature Reserve, Sheffield. November 2005.

Presentations

"What's the attraction? An assessment of the magnetic response of an iron smelting site." Poster presentation at the European Geophysical Society General Assembly 2001, Nice. 26th March, 2001.

"The magnetic characteristics of iron, lead and glass working sites: the story so far." New Research in Archaeology and Archaeological Sciences Conference, Bradford. 10th May, 2001.

"The archaeomagnetic dating of the Myers Wood iron-working site." The Remarkable Iron-makers of Myers Wood, Huddersfield and District Archaeological Society and University of Bradford Joint Symposium, Huddersfield. 6th March, 2004.

"A Date with the Iron Masters of Bilsdale." A Day-School in Memory/Honour of John McDonnell, Helmsley. 8th October, 2006.