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The Moon and the Bonfire. An Investigation of Three Stone Circles in North-East Scotland

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REFERENCES

- Anon 1857 'Notice of a sepulchral urn, with various golden ornaments, found on the estate of the Right Honourable the Earl of Fife, in Banffshire', *Archaeologia Scotica*, 4, 298 and pl XII.
- Ashmore, P 1999 'Radiocarbon dating: avoiding errors by avoiding mixed samples', *Antiquity*, 73, 124–30.
- Ashmore, P 2000 'A list of archaeological radiocarbon samples', *Discovery and Excavation in Scotland*, new series, 1, 124–5.
- Ashmore, P 2001 'A list of archaeological radiocarbon samples', *Discovery and Excavation in Scotland*, new series, 2, 124–5.
- Ashwin, T and Bates, S 2000 'Excavation on the Norwich Southern Bypass, 1989–91: Part 1', *East Anglian Archaeol*, 91.
- Barclay, G 1983 'Sites of the third millennium _{BC} to the first millennium _{AD} at North Mains, Strathallan, Perthshire', *Proceedings of the Society of Antiquaries of Scotland*, 113, 122–281.
- Barclay, G 2003 'The Neolithic', *in* Edwards, K and Ralston, I (eds), *Scotland After the Ice Age*, 127–49. Edinburgh: Edinburgh University Press.
- Barclay, G and Ruggles, C 1999 'On the frontier? Recumbent stone circles in Kincardineshire and Angus', *Tayside and Fife Archaeological Journal*, 5, 12–22.
- Barclay, G and Russell-White, C 1993 'Excavations in the ceremonial complex of the fourth to second millennium BC at Balfarg, Glenrothes, Fife', *Proceedings of the Society of Antiquaries of Scotland*, 123, 43–210.
- Barnatt, J 1989 *Stone Circles of Britain*. Oxford: British Archaeological Reports (BAR 215).
- Barrett, J and Fewster, K 1998 'Stonehenge: *Is* the medium the message?', *Antiquity*, 72, 847–52.
- Bennett, K D (1994–2003) Annotated catalogue of pollen and pteridophyte spore types of the British Isles. http. www.kv.geo.uu.se/pe-intro.html
- Bennett, K D, Whittington, G and Edwards, K 1994 'Recent plant nomenclature changes and pollen morphology in the British Isles', *Quaternary Newsletter*, 73, 1–6.
- Boyle, A 1999 'The human remains', in Barclay, A and Halpin, C, Excavations at Barrow Hills, Oxfordshire. Volume 1: The Neolithic and Bronze Age Monument Complex, 171–83. Oxford: Oxford Archaeological Unit.

- Bradley, R 2000 *The Good Stones: a New Investigation of the Clava Cairns*. Edinburgh: Society of Antiquaries of Scotland (Monograph 17).
- Bradley, R and Sheridan, A in prep. 'Croft Moraig and the chronology of stone circles'.
- Brennand, M and Taylor, M 2003 'The survey and excavation of a Bronze Age timber circle at Holme-nextthe Sea, Norfolk, 1998–9', Proceedings of the Prehistoric Society, 69, 1–84.
- Bullock, P, Federoff, N, Jongerius, A, Stoops, G and Tursina, T 1985 Handbook for Soil Thin Section Description. Wolverhampton: Waine Research.
- Burl, A 1970 'The recumbent stone circles of north-east Scotland', Proceedings of the Society of Antiquaries of Scotland, 102, 58–81.
- Burl, A 1976a *The Stone Circles of the British Isles*. New Haven (CT): Yale University Press.
- Burl, A 1976b 'Intimations of numeracy in the Neolithic and Bronze Age societies of the British Isles', *Archaeolgical Journal*, 133, 9–32.
- Burl, A 1980 'Science or symbolism: problems of archaeoastronomy', *Antiquity*, 54, 191–200.
- Burl, A 1981 'By the light of the cinerary moon: chambered tombs and the astronomy of death', *in* Ruggles, C and Whittle, A (eds), *Astronomy and Society in Britain during the Period 4000–1500 BC*, 243–74. Oxford: British Archaeological Reports (BAR 88).
- Burl, A 1994 'Long Meg and her Daughters, Little Salkeld', *Transactions of the Cumberland and Westmorland Antiquarian and Archaeological Society*, 94, 1–11.
- Burl, A 1995 A Guide to the Stone Circles of Britain, Ireland and Brittany. New Haven (CT): Yale University Press.
- Burl, A 2000 The Stone Circles of Britain, Ireland and Brittany. New Haven (CT): Yale University Press.
- Childe, V G 1933 'Trial excavations at the Old Keig stone circle, Aberdeenshire', *Proceedings of the Society of Antiquaries of Scotland*, 67, 37–53.
- Childe, V G 1934 'Final excavations at the Old Keig stone circle, Aberdeenshire', Proceedings of the Society of Antiquaries of Scotland, 68, 372–93.
- Clark, J D G 1932 'The date of the plano-convex flint knife in England and Wales', Antiquaries Journal, 12, 158–62.
- Clark, J D G 1936 'The timber monument at Arminghall and its affinities', *Proceedings of the Prehistoric Society*, 2, 1–51.

- Clarke, D L 1970 *Beaker Pottery of Great Britain and Ireland*. Cambridge: Cambridge University Press.
- Cleal, R, Walker, K and Montague, R 1995 Stonehenge in its Landscape. Twentieth Century Excavations. London: English Heritage.
- Coles, F 1901 'Report on the stone circles of the north-east of Scotland, Inverurie district', *Proceedings of the Society* of Antiquaries of Scotland, 35, 187–248.
- Coles, F 1904 'Report on the stone circles of the northeast of Scotland – the Buchan district', *Proceedings of the Society of Antiquaries of Scotland*, 38, 256–304.
- Coles, F 1905 'Report on the excavation of two stone circles in Kincardineshire ... and report on stone circles in Aberdeen-shire', *Proceedings of the Society of Antiquaries of Scotland*, 39, 190–218.
- Courty, M, Goldberg, P and Macphail, R 1989 Soils and Micromorphology. Chichester: Wiley.
- Davidson, D and Simpson, I 2001 'Archaeology and soil micromorphology', in Brothwell, D and Pollard, A M (eds), Handbook of Archaeological Science, 167–77. Chichester: Wiley.
- Edwards, K and Rowntree, K 1980 'Radiocarbon and evidence for changing rates of erosion at a Flandrian stage site in Scotland', *in* Cullingford, R, Davidson, D and Duck, R (eds), *Time Scales in Geomorphology*, 207–33. Chichester: Wiley.
- Eogan, G 1994 The Accomplished Art: Gold and Goldworking in Britain and Ireland during the Bronze Age. Oxford: Oxbow (Monograph 42).
- Faegri, K and Iversen, J 1989 *Textbook of Pollen Analysis*, 2nd edition. Chichester: Wiley.
- Field, D 2002 The Investigation and Analytical Survey of Silbury Hill. Swindon: English Heritage.
- FitzPatrick, E A 1993 Soil Microscopy and Micromorphology. Chichester: Wiley.
- Foley, C and MacDonagh, M 1998 'Copney stone circles – a County Tyrone enigma', Archaeology Ireland, 12.1, 24–8.
- Goodare, J 2002 'The Scottish witchcraft panic of 1597', in Goodare, J (ed), *The Scottish Witch-Hunt in Context*, 51–72. Manchester: Manchester University Press.
- Haggarty, A 1991 'Machrie Moor, Arran: recent excavations at two stone circles', *Proceedings of the Society* of Antiquaries of Scotland, 121, 51–94.
- Henshall, A S and Ritchie, J N G 2001 *The Chambered Cairns of the Central Highlands*. Edinburgh: Edinburgh University Press.
- Keiller, A 1927 Interim Report on Such of the Stone Circles of Aberdeenshire as have been Scheduled as Ancient Monuments. Privately printed.
- Keiller, A 1928 Final Report on Such of the Stone Circles of Aberdeenshire and Kincardineshire as have been Scheduled as Ancient Monuments. Privately printed.
- Keiller, A 1934 Megalithic Monuments of North-East Scotland. London: Morven Institute of Archaeological Research.

- Kilbride-Jones, H 1934 'Stone circles: a new theory of the erection of the monoliths', *Proceedings of the Society of Antiquaries of Scotland*, 68, 81–96.
- Kilbride-Jones, H 1935 'An account of the excavation of the stone circle at Loanhead of Daviot, and of the standing stones of Cullerlie, Echt, both in Aberdeenshire, on behalf of H.M. Office of Works', *Proceedings of the Society of Antiquaries of Scotland*, 69, 168–223.
- Kilbride-Jones, H 1936 'A Late Bronze Age cemetery: being an account of the excavations of 1935 at Loanhead of Daviot, Aberdeenshire, on behalf of H.M. Office of Works, *Proceedings of the Society of Antiquaries of Scotland*, 70, 278–310.
- Kinnes, I A, Gibson, A, Ambers, J, Bowman, S, Leese, M and Boast, R 1991 'Radiocarbon dating and British Beakers: the British Museum programme', *Scottish Archaeological Review*, 8, 35–68.
- Lacey, B 1983 Archaeological Survey of County Donegal. Lifford: Donegal County Council.
- Koerner, J L 1990 Caspar David Friedrich and the Subject of Landscape. London: Reaktion.
- Lock, G 2000 Beyond the Map. Archaeology and Spatial Technologies. Oxford: IOS Press.
- Lynch, F 1993 *Excavations in the Brenig Valley*. Bangor: Cambrian Archaeological Association.
- Lynch, F 1998 'Colour in prehistoric architecture', in Gibson, A and Simpson, D (eds), *Prehistoric Ritual and Religion*, 62–7. Stroud: Sutton.
- MacGregor, G 2002 'Making monuments out of mountains. The role of colour and texture in the constitution of meaning and identity at Recumbent Stone Circles', *in* Jones, A and MacGregor, G (eds), *Colouring the Past*, 141–58. Oxford: Berg.
- MacKie, E 1997 'Maeshowe and the winter solstice', *Antiquity*, 71, 338–59.
- McKinley, J 1993 'Bone fragment size and weights of bone from modern British cremations and its implications for the interpretation of archaeological cremations'. *International Journal of Osteoarchaeology* 3, 283–7.
- McKinley, J 1997 'Bronze Age barrows and funerary rites and rituals of cremation', *Proceedings of the Prehistoric Society*, 63, 129–45.
- Mays, S 1998 The Archaeology of Human Bone. London: Routledge.
- Mercer, R 1981 'The excavation of a late Neolithic hengetype enclosure at Balfarg, Markinch, Fife, Scotland', *Proceedings of the Society of Antiquaries of Scotland*, 111, 63–171.
- Mercer, R and Midgley, M 1997 'The early bronze age cairn at Sketewan, Balnaguard, Perth and Kinross', *Proceedings of the Society of Antiquaries of Scotland*, 127, 281–338.
- Moore, P D, Webb, J A and Collinson, M E 1991 *Pollen Analysis*, 2nd edition. Oxford: Blackwell.
- Murphy, C P 1986 Thin Section Preparation of Soils and Sediments. Berkhamstead: A.B. Academic Press.

- Murray, L 1999 Zest for Life. The Story of Alexander Keiller. Wooton Bassett: Morven Books.
- O'Brien, W 2002 'Megaliths in a mythologised landscape: south-west Ireland in the Iron Age', *in* Scarre, C (ed), *Monuments and Landscape in Atlantic Europe*, 152–76. London: Routledge.
- Ogston, A 1931 The Principal Antiquities of the Howe of Cromar. Aberdeen: The Third Spalding Club.
- Parker Pearson, M and Ramilisonina 1998 'Stonehenge for the ancestors: the stones pass on the message', *Antiquity*, 72, 308–26.
- Pavese, C 1950 La Luna ei Falò. Rome: Giulio Einaudi Editore.
- Pavese, C 1952 The Moon and the Bonfire. London: Owen.
- Peter, J 1885 'Notice of stone circles in the parish of Old Deer', *Proceedings of the Society of Antiquaries of Scotland*, 19, 270–7.
- Phillips, T 2002 Landscapes of the Living, Landscapes of the Dead. Oxford: British Archaeological Reports (BAR 328).
- Piggott, S and Simpson, D 1971 'Excavation of a stone circle at Croft Moraig, Perthshire, Scotland', *Proceedings* of the Prehistoric Society, 37, 1–15.
- Pilcher, J 1969 'Archaeology, palaeoecology and C 14 dating of the Beaghmore stone circles', *Ulster Journal of Archaeology*, 32, 73–91.
- Pollard, J and Gillings, M 1998 'Romancing the stones: towards a virtual and elemental Avebury', Archaeological Dialogues, 6.2, 143–64.
- RCAHMS 1988 Royal Commission on the Ancient and Historical Monuments of Scotland, Argyll: an inventory of the monuments, vol 6: Mid Argyll & Cowal. Edinburgh: HMSO.
- Ritchie, J 1920 'The stone circle at Broomend of Crichie', Proceedings of the Society of Antiquaries of Scotland, 53, 20-8.
- Ritchie, J N G 1974 'Excavation of a stone circle and cairn at Balbirnie, Fife', *Archaeological Journal*, 131, 1–32.
- Ritchie, J N G 1998 'The Ring of Brodgar, Orkney', *in* Ruggles, C (ed), *Records in Stone*, 337–50. Cambridge: Cambridge University Press.
- Ruggles, C 1999 Astronomy in Prehistoric Britain and Ireland. New Haven (CT): Yale University Press.
- Ruggles, C and Burl, A 1985 'A new study of the Aberdeenshire stone circles: interpretation', *Archaeoastronomy*, 8, 25–60.
- Saville, A 1993 'Exploitation of lithic resources for stone tools in earlier prehistoric Scotland', *in* Ashton, N and David, A (eds), *Stories in Stone*, 57–70. London: Lithic Studies Society (Occasional Paper 4).
- Saville, A and Ballin, T B 2000 'Quartz technology in Scottish prehistory', *Lithics*, 21, 45–51.
- Scott, J G 1989 'The stone circles at Temple Wood, Kilmartin, Argyll', *Glasgow Archaeological Journal*, 15, 53–124.

- Shepherd, A 1996 'A Neolithic ring-mound at Midtown of Pitglassie, Auchterless, Aberdeenshire', Proceedings of the Society of Antiquaries of Scotland, 126, 17–51.
- Shepherd, I A G 1986 Powerful Pots: Beakers in North East Prehistory. Aberdeen: Anthropological Museum, University of Aberdeen.
- Shepherd, I A G 1987 'The early peoples', in Omand, D (ed), The Grampian Book, 19–30. Golspie: The Northern Times.
- Shepherd, I A G 2001 'The use of bronzes in "frontier" locations: some new late Bronze Age objects from Deeside, Aberdeenshire', in Metz, W, van Beek, B and Steegstra, D (eds), Patina. Essays Presented to Jay Jordan Butler on the Occasion of his 80th Birthday, 493–501. Groningen: Privately published.
- Sheridan, J A 2003 'New dates for Scottish Bronze Age cinerary urns: results from the National Museums of Scotland Dating Cremated Bones Project', in Gibson, A (ed), Prehistoric Pottery: People, Pattern and Purpose. Oxford: British Archaeological Reports (BAR International Series 1156), 201–26.
- Shipman, P, Foster, G and Schoeninger, M 1984 'Burnt bones and teeth: an experimental study of colour, morphology, crystal structure and shrinkage', *Journal of* Archaeological Science, 11, 307–25.
- Simpson, D 1967 'Excavations at Kintraw, Argyll', Proceedings of the Society of Antiquaries of Scotland, 99 (1966-7), 54-9.
- Simpson, D 1996 'Excavation of a kerbed funerary monument at Stoneyfield, Raigmore, Inverness, Highland, 1972-3', Proceedings of the Society of Antiquaries of Scotland, 126, 53-86.
- Simpson, I and Davidson, D 1998 'Palaeosols of the Cleaven Dyke', in Barclay, G and Maxwell, G, The Cleaven Dyke and Littleour. Monuments in the Neolithic of Tayside, 36–42. Edinburgh: Society of Antiquaries of Scotland (Monograph 13).
- Simpson, I and Davidson, D 2000 'Palaeosols of the Clava Cairns', in Bradley, R, The Good Stones: a New Investigation of the Clava Cairns, 89–96. Edinburgh: Society of Antiquaries of Scotland (Monograph 17).
- Soil Survey for Scotland 1957 *Sheet 76.* Aberdeen: Macaulay Institute for Soil Research.
- Stace, C 1997 New Flora of the British Isles, 2nd edition. Cambridge: Cambridge University Press.
- Stainer, P 2003 *The Lady and the Hare and Other Poems*. Tarset: Bloodaxe Books.
- Stewart, M 1985 'The excavation of a henge, stone circle and metal-working areas at Moncreiffe, Perthshire', *Proceedings of the Society of Antiquaries of Scotland*, 115, 125–50.
- Tilley, C 1994 A Phenomenology of Landscape. Oxford: Berg.
- Thom, A, Thom, A S and Burl, A 1980 *Megalithic Rings*. Oxford: British Archaeological Reports (BAR 81).

- Turnbull, P 1997 'A prehistoric ritual sequence at Oddendale, near Shap', *Transactions of the Cumberland* and Westmorland Antiquarian and Archaeological Society, 97, 11–44.
- Wainwright, G 1965 'Excavation of a cairn, St Neots, Bodmin Moor', *Cornish Archaeology*, 4, 4–9.
- Watson, A and Keating, D 1999 'Architecture and sound: an acoustical analysis of megalithic monuments in Britain', *Antiquity*, 73, 325–36.
- Wheatley, D and Gillings, M 2002 Spatial Technology and Archaeology. London: Taylor and Francis.