PROCEEDINGS of the Society of Antiquaries of Scotland



Volume 134 (2004)

Society of Antiquaries of Scotland Royal Museum of Scotland Chambers Street, Edinburgh This volume has been printed on paper that is acid-free, chlorine-free and made from pulps manufactured from wood harvested from sustainable forests.

Requests for permission to reproduce material from the *Proceedings* should be sent to the Director, as well as to the author, illustrator, photographer or other copyright holder.

Copyright in the *Proceedings* rests with the Society and the individual authors. It is permitted, without the need for specific authorization or payment of a fee, to photocopy:

- i. single copies of individual papers or sections of the *Proceedings* for the private use of an individual;
- ii. single copies of individual papers or sections of the *Proceedings* for library reserve or short-term loan use;
- iii. multiple copies of individual papers or sections of the *Proceedings* for teaching use, provided that such copies are taken for a non-profit-making institution for educational use within that institution only.

The consent does not extend to copying for general distribution, advertising or promotional purposes, the creation of new collective works or resale.

Where indicated, maps have been based on Ordnance Survey maps by permission, © Crown Copyright.

ISSN 0081-1564

Typeset by Waverley Typesetters, Galashiels Printed by The Bath Press, Bath

Contents

- V EDITORIAL BOARD
- vii SOCIETY PUBLICATIONS 2003–2004
- ix COUNCIL
- xi PATRON AND HONORARY FELLOWS
- xiii LAWS OF THE SOCIETY OF ANTIQUARIES OF SCOTLAND

OBITUARIES

- 1 Elizabeth J E Pirie Paul Withers
- 3 Derek D A Simpson J V S Megaw

ARTICLES AND REPORTS

- 7 Hidden depths: thirty years of archaeology in Scottish towns Lisbeth M Thoms
- Developer-funded fieldwork in Scotland, 1990–2003: an overview of the prehistoric evidence
 Tim Phillips & Richard Bradley
- 53 Arable agriculture in prehistory: new evidence from soils in the Northern IslesE B A Guttman, S J Dockrill & I A Simpson
- Excavations at Kaimes Hill, Ratho, City of Edinburgh, 1964–72D D A Simpson, R A Gregory & E M Murphy
- 119 *Rerigonium*: a lost 'city' of the Novantae Mike McCarthy
- 131 Howe Mire: excavations across the cropmark complex at Inveresk, Musselburgh Murray Cook
- 161 The Cinderella Service: the Ordnance Survey and the mapping of the Antonine Wall **John Linge**
- A reconsideration of the origins of early Insular monumental lettering of the mixed alphabet type: the case of the 'Lapis Echodi' inscription on Iona
 G Charles-Edwards

iv | TABLE OF CONTENTS

- 183 Excavating a *parchmenerie*: archaeological correlates of making parchment at the Pictish monastery at Portmahomack, Easter Ross Martin Carver & Cecily Spall
- 201 'Danes . . . in this Country': discovering the Vikings in Scotland James Graham-Campbell
- 241 The evidence of finds for the circulation and use of coins in medieval Scotland **N M McQ Holmes**
- 281 The archaeology of burgage plots in Scottish medieval towns: a review **Russel Coleman**
- 325 Three excavations in medieval Dumbarton: 94–102 and 101–3 High Street and 75 College Street
 Russel Coleman
- 371 Excavation at Newbattle Abbey College Annexe, Dalkeith, Midlothian John Gooder
- 403 St Bride's, Douglas a family mausoleum Mary Markus
- 423 Excavations in the Laird's Hall, Drum Castle, Aberdeenshire Moira K Greig
- 457 The material culture of recusancy at Fetternear: kin and religion in post-Reformation Scotland

Penelope Dransart & the late Nicholas Q Bogdan

- 471 Patrick Ruthven, Alchemist and Physician **R Ian McCallum**
- 491 A possible 17th-century Scottish merchants' booth at Eastshore, Dunrossness, Shetland Nigel D Melton
- 499 Asia in 18th-century Edinburgh institutions: seen or unseen? Beatrice Teissier
- 557 A pair of presentation curling stones Abercairney 1864 David B Smith
- 563 LECTURE SUMMARIES
- 575 MEETINGS OF THE SOCIETY
- 593 INDEX

Editorial Board for the Proceedings 2003–2004

Co-editors Gordon J Barclay, MA, PhD, FSA, MIFA Anna Ritchie, OBE, BA, PhD, FSA

Editorial Board FIONNA M ASHMORE, BA, FSA (Director to 31 May 2004) DAVID P BOWLER, BA, MPhil GEORGE DALGLEISH, MA ANDREW J DUNWELL, BA, MIFA CHRISTOPHER LOWE, BA, MA, PhD, MIFA ANN MACSWEEN, MA, MA, PhD, MIFA ANDREW MARTIN, MA, DipLib CORALIE MILLS, BSC, MA, PhD, MIFA ATHOL MURRAY, MA, PhD ANDREA N SMITH, BA, MIFA, FSA (Director from 1 June 2004) ALAN SAVILLE, BA, FSA, MIFA (Convener) NAOMI TARRANT, BA, AMA, FSA (Treasurer) LISBETH M THOMS, BSC, DipArch (President) JILL TURNBULL, CQSW, BA, PhD

Indexer Elizabeth Fowler, MA, BLitt, FSA

Publications Production Manager ALISON RAE

Publications Sales Assistant Erin Osborne-Martin

Society Publications 2003–2004

BOOKS

Mesolithic Scotland and its Neighbours: The Early Holocene Prehistory of Scotland, its British and Irish Context and some Northern European Perspectives ed Alan Saville (ISBN 0 903 903 28 8)

Scotland in Ancient Europe: The Neolithic and Early Bronze Age of Scotland in their European Context eds Ian Shepherd & Gordon J Barclay (ISBN 0 903 903 31 8)

Kilellan Farm, Ardnave, Islay: excavations of a prehistoric to early medieval site by Colin Burgess and others 1954–76 ed Anna Ritchie (ISBN 0 903 903 35 0)

The Moon and the Bonfire: An Investigation of Three Stone Circles in North-east Scotland Richard Bradley (ISBN 0 903 903 33 4)

SCOTTISH ARCHAEOLOGICAL INTERNET REPORTS (SAIR)

www.sair.org.uk

- SAIR 7 Catpund: a prehistoric house in Shetland
 Beverley Ballin Smith (ISBN 0 903903 76 8)
 Publication Date: February 2005
- SAIR 11 The worked quartz vein at Cnoc Dubh, Uig parish, isle of Lewis, Western Isles: presentation and discussion of a small prehistoric quarry Torbin Bjarke Ballin (ISBN 0 903903 80 6) Publication Date: July 2004
- SAIR 12 Camas Daraich: a Mesolithic site at the Point of Sleat, Skye
 Caroline Wickham-Jones and Karen Hardy (ISBN 0 903903 82 2)
 Publication Date: December 2004
- SAIR 13 Excavation of a Bronze Age kerbed cairn at Olcote, Breasclete, near Calanais, Isle of Lewis Tim Neighbour (ISBN 0 903903 81 4)
 Publication Date: February 2005
- SAIR 14 People and their monuments in the Upper Clyde Valley: a programme of survey, field walking and trial excavation in the environs of the Blackshouse Burn Neolithic enclosure, South Lanarkshire, 1998–99
 Olivia Lelong, Chris Barrowman, Mike Donnelly, Torben Bjarke Ballin, Lorna Sharpe and the late Jerry Hamer (ISBN 0 903903 83 0)
 Publication Date: March 2005

Society of Antiquaries of Scotland Council for 2003–2004

President

LISBETH M THOMS, BSc, DipArch

Vice-Presidents Doreen Grove, BA, FSA Jean Munro, BA, PhD Alan Saville, BA, FSA, MIFA

Treasurer Naomi Tarrant, BA, AMA, FSA

Councillors

DAVID P BOWLER, BA, MPhil EWAN CAMPBELL, BSC, PhD, MIFA JILL TURNBULL, CQSW, BA, PhD ROBIN TURNER, BA, FSA, MIFA ANDREW J DUNWELL, BA, MIFA LESLEY FERGUSON, MA FRASER HUNTER, BSC, FSA CORALIE MILLS, BSC, MA, PhD, MIFA NEIL CURTIS, MA, MLitt, AMA FRANCES HOOD, RGN, SCM ANDREW MARTIN, MA, DipLib PATRICIA WEEKS, MA, PgDipMusStud, AMA

Ex Officio Members of Council

Chairman of the North East Section Convener of the Finance Committee Convener of the Heritage Committee

Convener of the Publications Committee Convener of the Research Committee Representative of the National Museums of Scotland Peter J Murray, MA, PhD Humphrey Holmes, CA Fionna M Ashmore, BA, FSA (to 31 May 2004) Andrea N Smith, BA, MIFA, FSA (from 1 June 2004) Alan Saville, BA, FSA, MIFA Ian A G Shepherd, MA, FSA, MIFA

DAVID V CLARKE, BA, PhD, FSA

Director

FIONNA M ASHMORE, BA, FSA (to 31 May 2004) ANDREA N SMITH, BA, MIFA, FSA (from 1 June 2004)

Proceedings Editor Gordon J Barclay, MA, PhD, FSA, MIFA

Patron and Honorary Fellows of the Society of Antiquaries of Scotland

Patron HM The Queen

Honorary Fellows HRH THE DUKE OF ROTHESAY EMERITUS PROFESSOR LESLIE ALCOCK, OBE, MA, FSA, FRHistS DR ROBERT GEOFFREY WILLIAM ANDERSON, BSc, MA, DPhil, FRSChem, FSA, FRSE AUBREY BURL, MA, DLitt, PhD, FSA, FSAScot ARKITEKT HAKON CHRISTIE PROFESSOR JOHN COLES, MA, PhD, SCD, FBA, FSA, FSAScot SIR HOWARD COLVIN, CVO, CBE, FBA, FSA, FRHistS, HonFRIBA PROFESSOR EMERITUS ROSEMARY CRAMP, CBE, MA, FSA, FSAScot JOHN GREENWELL DUNBAR, OBE, MA, HonFrias, FSA, FSAScot EMERITUS PROFESSOR ALEXANDER FENTON, CBE, MA, BA, DLitt, HonDLitt, HRSA, FRSE, FSA MISS AUDREY SHORE HENSHALL, OBE, MA, FSA PROFESSOR DR LEENDERT P LOUWE KOOIJMANS DR KRISTIAN KRISTIANSEN DR ANTOINE PLĂMĂDEALĂ PROFESSOR KLAVS RANDSBORG PROFESSOR COLIN RENFREW (LORD RENFREW OF KAIMSTHORN), SCD, FBA, FSA, FSAScot PROFESSOR HANS SCHÖNBERGER PROFESSOR CHARLES THOMAS, CBE, DL, DLitt, HonDLitt, FBA, HonMRIA, FSA PROFESSOR BRUCE TRIGGER, PhD, DSC, DLitt, FRSCan PROFESSOR J D VAN DER WAALS PROFESSOR DR WILLIE GROENMAN-VAN WAATERINGE

Laws of the Society of Antiquaries of Scotland, instituted November 1780 and incorporated by Royal Charter, 6 May 1783

- 1. The purpose of the Society shall be the study of the ANTIQUITIES AND HISTORY OF SCOTLAND, more especially by means of Archaeological Research.
- 2. The Society shall consist of Fellows and Honorary Fellows.
- 3. Candidates for admission as Fellows must sign the Form of Application prescribed by the Council, and must be sponsored by a Fellow. Admission shall be by ballot. In the case of candidates not resident in the United Kingdom, it shall be open to the Council after consideration of the circumstances to waive the necessity for a sponsor.
- 4. Council shall cause the names of the Candidates and their Sponsors to be circulated to all Fellows at least ten days before the date of the meeting at which a ballot is to be held. Fellows may vote against any candidate by striking out the name from the list and returning the list to the Society before the meeting or placing the list in the Ballot Box before the meeting commences. Candidates receiving ten or more adverse votes will be balloted for individually at the meeting, and any candidate then receiving less than two-thirds of the votes shall not be admitted.
- 5. Honorary Fellows shall consist of persons eminent in any branch of antiquarian study, who must be recommended by the Council and elected in the same way as Fellows; they shall not be liable for any fee for admission or annual subscription. The number of Honorary Fellows shall not exceed twenty-five.
- Corresponding Members must be recommended by the Council and elected in the same way as Fellows. They shall not be liable for a fee for admission or annual subscription. This Law is now repealed.
- Before the name of a newly elected candidate is added to the list of Fellows, he or she shall pay to the funds of the Society an entrance fee and the current year's subscription as provided for by Law 8.
- 8. Rates of entrance fee and annual subscription shall be determined by the Council as required from time to time subject to the approval of the Society given at a General Meeting. The annual subscription shall become due on 1st July in each year for that year then beginning; and if any Fellow who has not compounded shall fail to pay the subscription for one year, due application having been made for payment, the Treasurer shall report the same to Council, by whose authority the name of the defaulter may be erased from the List of Fellows. Fellows whose membership has lapsed, and who wish to rejoin the Society, may do so either (1) by payment of all arrears of subscription in which case they shall receive the relative volumes of the Proceedings, if still available or (2) on payment of the subscription for the current year and of the entrance fee.
- 9. Every Fellow not being in arrears of the annual subscription shall be entitled to receive the printed Proceedings of the Society from the date of election.

xiv | SOCIETY OF ANTIQUARIES OF SCOTLAND, 2004

- 10. None but Fellows shall vote or hold any office in the Society.
- 11. Subject to the Laws and to the control of the Society in General Meetings, the affairs of the Society shall be managed by a Council elected and appointed as hereinafter set forth. Five members of the Council shall constitute a quorum, provided that number includes one Office-bearer and one elected member of Council.
- 12. The Office-bearers shall consist of a President, three Vice-Presidents, and a Treasurer. The President and the Vice-Presidents shall be elected for a period of three years. One of the Vice-Presidents shall retire annually by rotation, and shall not be eligible for re-election to the same office until one year has elapsed. The Treasurer shall be elected for one year and shall be eligible for re-election. The elections shall be by ballot at the Annual General Meetings upon a list issued by the Council for that purpose to the Fellows at least fourteen days before the meeting.
- 13. The Council shall consist of the Office-bearers, twelve Fellows elected by the Society, the Chairman of the North East Section, the Conveners of the Programme, Publication, Research, Heritage and Finance and Administration Committees if not already elected members, the Society representative on the Ancient Monuments Board (nominated by the Secretary of State for Scotland) and a representative of the National Museums of Scotland who is already a Fellow of the Society (nominated by the Board of Trustees).
- 14. Four of the twelve elected members of Council shall retire annually by rotation, and shall not be eligible for re-election as ordinary members of Council until one year has elapsed. Vacancies among the elected members of Council and Office-bearers occurring by completion of term of office, by retirement on rotation, by resignation, death or otherwise, shall be filled by election at the Annual General Meeting, or, in the case of the Treasurer, at any earlier meeting of the Society as decided by the Council. The election shall be by ballot, as provided for by Law 12.
- 15. The Council may appoint committees or individual to advise on or to take charge of particular departments of the Society's business. Individuals who are not Fellows and Fellows who are not members of the Council shall be eligible for these duties.
- 16. The Annual General Meeting of the Society shall take place on St Andrew's Day, 30th November, or on the following day if the 30th be a Sunday. The business of the Annual General Meeting shall be notified to Fellows at least fourteen days before the day of the meeting.
- 17. The Council shall have the power to call Extraordinary General Meetings when they see cause. At least fourteen days notice of an Extraordinary General Meeting shall be given to Fellows.
- 18. Meetings of the Society, termed Ordinary Meetings, shall be held on such dates and at such places as may be determined by the Council. A minimum of six meetings, in addition to the Annual General Meeting provided for in Law 16, shall be held in each year.
- 19. Every proposal for altering the Laws must be made through the Council, which shall cause intimation thereof to be made to all the Fellows at least thirty days before the General Meeting at which it is to be determined on.