PROCEEDINGS of the Society of Antiquaries of Scotland



Volume 135 (2005)

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, Little Walsingham Printed by The Bath Press, Bath

Contents

273

Vanessa Habib

v	EDITORIAL BOARD
vii	COUNCIL
ix	PATRON AND HONORARY FELLOWS
xi	LAWS OF THE SOCIETY OF ANTIQUARIES OF SCOTLAND
	OBITUARY
1	J N Graham Ritchie John Ellis
	ARTICLES AND REPORTS
5	A programme for wetland archaeology in Scotland in the 21st century Anne Crone & Ciara Clarke
19	The gardens of Glamis: an aerial view Marilyn M Brown
41	Redcastle, Lunan Bay, Angus: the excavation of an Iron Age timber-lined souterrain and a Pictish barrow cemetery Derek Alexander
119	The Cowie Line: a Second World War 'stop line' west of Stonehaven, Aberdeenshire Gordon J Barclay
163	Excavation of Bookan chambered cairn, Sandwick Nick Card
191	Bronze Age banks at the Black Crofts, North Connel, Argyll, a synthesis and re-assessment Stephen Carter & Magnar Dalland
213	Removal of the University of Glasgow to Woodlands Hill 1845–9 and Gilmorehill 1853–83 David Grant
259	Axminster carpet manufacture in Edinburgh in the mid-18th century

excavations and the question of Perth's early medieval origin

Mark Hall, Derek Hall & Gordon Cook

What's cooking? New radiocarbon dates from the earliest phases of the Perth High Street

IV	TABLE OF CONTENTS
287	Improving the roads and bridges of the Stirling area c 1660–1706 John G Harrison
309	An anthropomorphic carving from Pictish Orkney David Lawrence
319	New light on Kelso Abbey: archaeological interventions on the Bridge Street Garage Site, 1996–8 Christopher Lowe
343	Archaeology and the Creag nan Uamh bone caves, Assynt, Highland Alan Saville
371	Excavations at an early medieval cemetery at Stromness, Orkney Tim Stevens, Melissa Melikian & Sarah Jane Grieve
395	The Anglican monastery and medieval priory of Coldingham: <i>Urbs Coludi</i> revisited Simon Stronach
423	Research in inscriptional palaeography (RIP). Tombstone lettering in Dumfries and Galloway George Thomson
443	The landscape context of the Antonine Wall: a review of the literature Richard Tipping & Eileen Tisdall
471	Bronze Age pastoral practices in the Clyde Valley: excavations at West Acres, Newton Mearns Ronan Toolis
505	A richly decorated cross-slab from Kilduncan House, Fife: description and analysis Ross Trench-Jellicoe
561	ANNUAL REPORT
575	NOTES AND CONDITIONS FOR CONTRIBUTORS
581	INDEX

Editorial Board for the *Proceedings* 2004–2005

Editors

Anna Ritchie, OBE, BA, PhD, FSA (to 19 April 2005) Debra L Barrie, MA (Hons) (from 20 April 2005)

Editorial Board

DAVID P BOWLER, BA, MPhil (Convener)

GEORGE DALGLEISH, MA

ANDREW J DUNWELL, BA, MIFA

CHRISTOPHER LOWE, BA, MA, PhD, MIFA

ANN MACSWEEN, MA, PhD, MIFA

ANDREW MARTIN, MA, DipLib

CORALIE MILLS, BSc, MA, PhD, MIFA

ALISON MORRISON-LOW, BA, MSc, DPhil, FSA

JEAN MUNRO, BA, PhD

ATHOL MURRAY, MA, PhD

ANDREA N SMITH, BA, MIFA, FSA (Director)

CATHERINE SMITH, BSc

NAOMI TARRANT, BA, AMA, FSA (Treasurer)

LISBETH M THOMS, BSc, DipArch (President)

Indexer

ANN HALL

Publications Production Manager

ALISON RAE

Publications Sales Assistant

ERIN OSBORNE-MARTIN

Society of Antiquaries of Scotland Council for 2004–2005

President

LISBETH M THOMS, BSc, DipArch

Vice-Presidents

JOHN CRUSE, BSc, DipArch JEAN MUNRO, BA, PhD ALAN SAVILLE, BA, FSA, MIFA

Treasurer

NAOMI TARRANT, BA, AMA, FSA

Councillors

DEREK ALEXANDER, MA, MPhil, AIFA
NEIL CURTIS, MA, MLitt, AMA
ANDREW J DUNWELL, BA, MIFA
LESLEY FERGUSON, MA
FRANCES HOOD, RGN, SCM
FRASER HUNTER, BSC, PhD, FSA
ANDREW MARTIN, MA, DipLib
CORALIE MILLS, BSC, MA, PhD, MIFA
ALISON MORRISON-LOW, BA, MSC, DPhil, FSA
ROBERT J C MOWAT, RD, MA, DipSciArch
CATHERINE SMITH, BSC

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 ANDREA N SMITH, BA, MIFA, FSA DAVID P BOWLER, BA, MPhil, MIFA IAN A G SHEPHERD, MA, FSA, MIFA

DAVID V CLARKE, BA, PhD, FSA

Director

ANDREA N SMITH, BA, MIFA, FSA

Editors

Anna Ritchie, OBE, BA, PhD, FSA (Acting *Proceedings* Editor to 19 April 2005) Debra L Barrie, MA (Hons) (Managing Editor from 20 April 2005)

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 CHARLES THOMAS, CBE, DL, DLitt, HonDLitt, FBA, HonMRIA, FSA

PROFESSOR BRUCE TRIGGER, OC, OQ, 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.
- 7. 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.

- 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 Publication, Research and Finance 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.