# ARCHAEOLOGIA CAMBRENSIS

Cylchgrawn Cymdeithas Hynafiaethau Cymru Journal of the Cambrian Archaeological Association

VOLUME 166 (2017)

Cymdeithas Hynafiaethau Cymru Cambrian Archaeological Association 2017

# Cymdeithas Hynafiaethau Cymru Cambrian Archaeological Association



#### Established 1846 Registered Charity No. 216249

#### WEBSITE

For further details of the Association and its activities visit our website: http://www.cambrians.org.uk

#### **EDITOR**

Material offered for publication should be sent to the Editor: W. J. Britnell, 75 Abbey Foregate, Shrewsbury, SY2 6BE. Tel. 01743 369724, email billbritnell@cpat.org.uk

#### REVIEWS EDITOR

Books for review should be sent to the Reviews Editor: Dr R. J. Silvester, Braich-uchaf, Cil Road, Meifod, Powys. Tel. 01938 500641, email r.silvester@chester.ac.uk

#### PERIODICAL LITERATURE COMPILER

J. E. Britnell, 75 Abbey Foregate, Shrewsbury, SY2 6BE. Tel. 01743 369724, email jennyb@cpat.org.uk

#### GENERAL SECRETARY

General enquiries and enquiries regarding grants and awards should be addressed to the current General Secretary: Mrs Heather James, Braemar, Llangunnor Road, Carmarthen. Tel. 01267 231793, email h.james443@btinternet.com

#### MEMBERSHIP SECRETARY

Enquiries about membership and subscriptions and publications for sale should be addressed to the current Membership Secretary: Frances Lynch Llewellyn, Halfway House, Pontypandy, Bangor, Gwynedd, LL57 3DG. Tel. 01248 364865, email f.m.lynch@axis-connect.com

© The Cambrian Archaeological Association and individual authors, 2017

ISSN 0306-6924

Typeset and Printed in Great Britain by 4word Ltd, Bristol

# Contents

| Editorial note   |                     |
|--|---------------------|
| Notes on the Contributors  |                     |
| Notes on the President   | . VII               |
| PRESIDENTIAL ADDRESS   |                     |
| "Those proud, ambitious heaps": whither castle studies?  |                     |
| By John Kenyon   | 1                   |
|  |                     |
| ARTICLES   |                     |
| Neolithic palisaded enclosures of Radnorshire's Walton Basin.  |                     |
| By Nigel W. Jones and Alex M. Gibson   | . 33                |
| Land use and environmental history of Waun Llanfair, an upland landscape above Penmaenmawr, North Wales. |                     |
| By Astrid E. Caseldine, Catherine J. Griffiths, John Griffith Roberts, George Smith and                  |                     |
| John Llywelyn Williams   | . 89                |
| Excavations at the Castell Mawr Iron Age hillfort, Pembrokeshire.  | 1.41                |
| By M. Parker Pearson, C. Casswell and K. Welham  | 141                 |
| By James Meek  | 175                 |
| Early medieval settlement and field systems at Rhuddgaer, Anglesey.                                      | 175                 |
| By David Hopewell and Nancy Edwards  | 213                 |
| New light on a dark deed: the death of Llywelyn ap Gruffudd, Prince of Wales.                            |                     |
| By David Stephenson  | 243                 |
| The Great Gatehouse, Kidwelly Castle: its history, construction and function (1388–1422).                | 0.50                |
| By Stephen Priestley and Rick Turner   | 253                 |
| By Susan Fielding  | 200                 |
| By Susan Flording.   | 2))                 |
| REVIEWS AND PERIODICAL LITERATURE  |                     |
| Review article: seals in medieval Wales  |                     |
| By David Stephenson  | 323                 |
| Reviews  | 332                 |
| Periodical Literature on Wales, 2016   | 361                 |
| THE CAMBRIAN ARCHAEOLOGICAL ASSOCIATION  |                     |
| Obituary   | 368                 |
| Reports on Meetings  |                     |
| Grants and Awards  |                     |
|  | 420                 |
|  | 421                 |
|  |                     |
|  |                     |
| Publications for sale  |                     |
| Offinic resources  | <b>→</b> ∠ <b>→</b> |
| Index  | 425                 |
|  |                     |

# Editorial note

Readers will be pleased to learn that earlier issues of Archaeologia Cambrensis published between 1846 and 1999 are now freely available online on the Welsh Journals website <a href="https://journals.library.wales">https://journals.library.wales</a> hosted by Llfyrgell Genedlaethol Cymru – National Library of Wales together with other supplementary publications listed in the section on 'Online Resources' towards the end of this volume. Users of the previous Welsh Journals Online website will notice that some features are unfortunately not available on the new website, including the ability to print, download copies or access the text versions of the journals. The website managers say they are aware of the demand for these features and will be looking to introduce them at a future date. The website is currently undergoing beta testing and readers are therefore encouraged to submit comments or suggestions on the feedback form provided. The Cambrian Archaeological Association is currently looking into the question of also making more recent volumes of Archaeologia Cambrensis available online. The early volumes of the journal are a mine of information about Welsh archaeology. In vol. 1 (1846), for instance, the Editor, Harry Longueville Jones, describes a visit to the Druids' Circle, Penmaenmawr—a monument referenced in an article in this volume on recent pollen analysis at Waun Llanfair, just to the south. He would have been astonished that so much could be learnt about the environmental context that this and other early monuments in the area were built. Though now taken for granted, pollen analysis only became an established science in Britain towards the end of the nineteenth century and is perhaps first mentioned in Archaeologia Cambrensis vol. 89 (1934). Longueville Jones's atmospheric soft ground etching of the Druids' Circle in vol. 1, reproduced below, is one of the earliest depictions of the monument. One learns from vol. 150 (1861) that in the earlier seventeenth century the monument was known as 'Y Meini Hirion', though Longueville Jones captions it 'Circle of stones above Dwygyfylchi', after the name of the nearest village. W. E. Griffiths, who excavated the site in the 1950s, was unable to trace the origin of the name by which it is now known (Proceedings of the Prehistoric Society 26 (1960), 306), though no doubt it arose in deference to English-speaking tourists. Uncertainty about how many druids may have been responsible has challenged various Editor's of Archaeologia Cambrensis over the years: in the volumes for 1971 and 1977 (and the current volume) it is called 'Druids' Circle'; in the volumes for 1912 and 1984 it appears as 'Druid's Circle'!

W. J. BRITNELL



### Notes on the Contributors

Astrid Caseldine, BSc, PGCE, is an Honorary Research Fellow at the University of Wales, Trinity St David, Lampeter and was formerly the Cadw Environmental Archaeologist for Wales. She continues to do some teaching at the university and is a trustee of the Dyfed Archaeological Trust. She has been involved in numerous archaeological projects in Wales ranging from projects in the intertidal zone of the Severn Estuary through to the uplands of Snowdonia. Her main research interests include the effects of human activity upon the landscape, wetland archaeology and the development of agriculture in Britain, particularly Wales.

Chris Casswell is a senior project officer for Allen Archaeology Ltd where he has worked since 2013. He was previously a project officer for Network Archaeology and for ARCUS research consultancy, and he has worked on commercial projects in both urban and rural contexts, many of them large infrastructure projects. His archaeological experience has been largely within the planning framework across a variety of geographical locations and sites throughout England and Wales as well as in Spain. He has also worked on university research projects, notably as a supervisor on the Stonehenge Riverside Project. He gained a BA in Archaeology at the University of Sheffield.

Nancy Edwards, BA, PhD, FBA, FLSW, FSA, FSA Scot, is Professor of Medieval Archaeology at Bangor University. She has published widely on the archaeology of early medieval Wales and Ireland, especially on carved stone monuments and the church. She is currently working on a research project entitled *Life in Early Medieval Wales* for which she has been awarded a Leverhulme Major Research Fellowship. Using both archaeological and written evidence, this focuses on the period *c*. AD 300–1050. She is Chair of the Trustees of Gwynedd Archaeological Trust. In 2016 she was elected a Fellow of the British Academy.

Susan Fielding, MA, is Senior Investigator (Historic Buildings) at the Royal Commission on the Ancient and Historical Monuments of Wales. Having completed a degree at Cardiff University in 1995 and an MA in Medieval Archaeology at the Institute of Archaeology UCL in 1996, Susan spent a number of years working in the commercial sector, including Wessex Archaeology. Working for the Royal Commission since 2005, Susan is based within the Knowledge and Understanding team undertaking survey, interpretation and dissemination on a wide range of historic building types. Thematic projects include the architecture of Denbigh, Places of Worship and Twentieth Century buildings. She is also involved in the promotion and development of digital technologies in the survey and dissemination of heritage sites, and has been organising the Digital Past conference since its inception in 2009.

**Alex Gibson** is reader in British Prehistory in the School of Archaeological and Forensic Sciences at the University of Bradford and is currently President of the Prehistoric Society. His research interests are in settlement archaeology and ritual architecture of the Neolithic and Early Bronze Age.

**Catherine Griffiths**, BA, MSc, is a consultant with UWLAS at the University of Wales, Trinity St David, Lampeter and was formerly the Cadw Environmental Archaeology Assistant. She specialises in plant macrofossil remains and has worked on material from a wide range of archaeological sites in Wales, including wetland sites, prehistoric funerary and ritual monuments and Iron Age settlements. She is particularly interested in early agriculture and diet in medieval Britain.

**David Hopewell**, BSc, MCIfA, is a senior archaeologist at Gwynedd Archaeological Trust. He joined the Trust in 1990 and has worked on a wide range of projects in north-west Wales. Recent projects include

geophysical survey and excavation of a Roman settlement on Anglesey (published in *Archaeologia Cambrensis* in 2016) and the publication of *Roman Roads in North-West Wales* (Gwynedd Archaeological Trust, 2013). He is currently investigating a castle of the Welsh princes and surveying slate quarries.

**Nigel Jones** is the Principal Archaeologist with the Clwyd-Powys Archaeological Trust. He managed the pan-Wales study of prehistoric funerary and ritual monuments within the CPAT area, as well as the more recent Walton Basin project, Radnorshire, which investigated an important complex of large Neolithic enclosures, as well as the Trust's excavations at Womaston Causewayed Enclosure in the Walton Basin and Meusydd timber circles and ring-ditch in northern Powys which appeared in *Archaeologia Cambrensis* 158.

James Meek, BA (Hons), MCIfA is Head of DAT Archaeological Services at Dyfed Archaeological Trust. He joined the Trust in 2009 as head of the field team, working on both commercial and grant-aided projects. He has previously worked as an archaeological consultant for WSP and as a Project Manager for University of Leicester Archaeological Services where he undertook and managed a number of large-scale excavations within Roman Leicester. The discovery of the Roman fort at Wiston has led to a specific interest in the extent and scope of Roman administration beyond Carmarthen.

Mike Parker Pearson is Professor of British Later Prehistory at the Institute of Archaeology, University College London (UCL). Before 2012 he was Professor of Archaeology at the University of Sheffield, where he taught since 1990. Previously he was Inspector of Ancient Monuments for English Heritage. He has worked on archaeological sites around the world, leading major research projects in Madagascar, the Outer Hebrides and the Stonehenge World Heritage. He is a member of the Chartered Institute for Archaeologists, a Fellow of the Society of Antiquaries and a Fellow of the British Academy, and was voted UK Archaeologist of the Year in 2010. He obtained his first degree in Archaeology at the University of Southampton in 1979 and was awarded a PhD at the University of Cambridge in 1985.

**Stephen Priestley**, MA, MCIfA studied history at Cambridge before working as a research assistant for Historic Royal Palaces. He was subsequently employed as a documentary researcher for English Heritage and also undertook historical research projects for Cadw (Welsh Historic Monuments) and British Waterways. Since 2003 he has been employed as an historical researcher by Border Archaeology. His research interests include medieval military fortifications, industrial heritage and battlefield archaeology.

John Griffith Roberts studied archaeology and prehistory (BA) and landscape archaeology (MA) at the University of Sheffield and subsequently worked at Nottingham County Council and then for Gwynedd Archaeological Trust and was involved in the Waun Llanfair Project as part of post-graduate research. He has been employed by the Snowdonia National Park Authority since 2007 as National Park Archaeologist and is currently on secondment as Development Project Manager for the Heritage Lottery Funded Carneddau Landscape Partnership scheme, north Snowdonia.

**George Smith** studied at Nottingham University and the Institute of Archaeology, University of London with main interests in European prehistory, lithics and human environment. He was Prehistorian for the British Expedition in Qatar, 1973, led by Beatrice de Cardi and Field Director for the M5 rescue archaeology programme in Hampshire in 1974–75. He worked for English Heritage from 1976 to 1993, mainly on prehistoric sites in south-west England, and from 1993 to 2102 for the Gwynedd Archaeological Trust on a variety of projects for both Cadw and on private contracts. He is currently working freelance as a lithic specialist and on backlog reports and archives.

**Dr David Stephenson** is a former Bowra Senior Research Fellow of Wadham College, Oxford, and Kathleen Hughes Memorial Lecturer at Hughes Hall, Cambridge. He is now Honorary Research Fellow in the School of History and Archaeology, Bangor University. In recent years he has written numerous papers in academic journals covering such diverse topics as the development of Welsh castles, the medical practitioners of medieval Wales, the Jewish presence in medieval Wales, and the development of the Welsh chronicles. He has contributed chapters to volumes such as *Wales and the Welsh in the Middle Ages* (2011), and *Monastic Wales: New Approaches* (2013). A second edition of his *Governance of Gwynedd* was published by University of Wales Press in 2014, as *Political Power in Medieval Gwynedd*, and his *Medieval Powys: Kingdom, Principality and Lordships, 1132–1293* was published by Boydell in 2016. He is currently completing a volume on *Medieval Wales, c. 1050–1332*.

**Rick Turner** OBE studied at Cambridge University and has worked as an archaeologist for Lancaster University, British Gas and Cheshire County Council. For twenty-five years he was an inspector of ancient monuments for Cadw, and has published many articles on and guidebooks to sites in their care. Currently he is studying for a PhD at Swansea University.

**Kate Welham** is Professor of Archaeological Science in the Department of Archaeology, Anthropology and Forensic Science at Bournemouth University where she has taught since 2001. Her primary research focus is the application of remote sensing techniques in archaeology, and she is an experienced archaeological surveyor with expertise in topographical survey, geophysical prospection, GIS, and 3D scanning technology. She has been involved in many archaeological projects around the world, and has directed archaeological surveys on both prehistoric and historic landscapes including Stonehenge, Rapa Nui (Easter Island) and Tanzania. She has a BSc in Applied Chemistry but switched to archaeology in 1996, gaining an MSc and a PhD in Archaeology at the University of Sheffield.

**Dr John Llywelyn W. Williams** was formerly Senior Tutor in Archaeology and Local History in the Department of Continuing Education at Bangor University, and is a former chairman of Gwynedd Archaeological Trust. The main body of his research is in ceramic petrology and he has published extensively on major prehistoric pottery projects in the Aeolian Islands of Sicily, the Po Valley, Cyprus, Ireland and Wales. In 1994–96 he researched, surveyed and excavated the Neolithic axe factory site of Graig Lwyd in Wales. He has also published numerous articles and established a website on the social history and industrial archaeology of his home locality in the slate quarrying village of Bethesda.

# Notes on the President 2016–2017



John R. Kenyon, BA, PhD, MCLIP, FSA, FRHistS, FSA Scot, was born in Marlborough, Wiltshire, but is a proud Salopian! He was educated at Packwood Haugh Preparatory School in Shropshire and St Edward's School, Oxford. After school, he spent two years in Australia and New Zealand, and then ended up in the Library of the Society of Antiquaries of London.

Having qualified as a librarian during his time at the Antiquaries (1970–74), he realised that a degree would be necessary to further his career, whether in librarianship or archaeology, and he went to Southampton University, accompanied by Chris, his wife, and newly born Pippa in 1974 to read History and Archaeology. On graduating, library employment came easier than archaeology, and marginally better paid (!), and he joined the staff of the History Faculty Library in the University of Oxford until 1979. He then moved to become the Assistant Librarian at the National Museum of Wales, and became its Librarian a few years later, until his retirement at the end of 2013.

His interest in castle studies was stimulated by working at the Antiquaries and having frequent discussions with Dr Derek Renn FSA. The formation of the Fortress Study Group led him to have his first paper published in the first issue of *Fort*, for 1976, based on his BA dissertation on the subject of later medieval artillery fortifications.

An interest in archaeological bibliography was encouraged by Cherry Lavell of the Council for British Archaeology, and he contributed entries to the CBA's *Abstracts* and the *Bibliography*. He also realised that when he left the Antiquaries, he would lose immediate access to its resources, and began to compile, on card, details of all books and papers on British castles published from 1945. Derek Renn and Henry Cleere encouraged him to publish his bibliography as a CBA research report, and eventually three volumes were to appear in this series, with Ireland being included in the second and third (1978, 1983, 1990), the typescript for the first volume being typed up in duplicate on a little Olivetti Dora portable typewriter! In 2008 a cumulative bibliography appeared, listing material published up to 2006, with indexes provided for the first time to authors and places.

Having moved to the National Museum of Wales, David Dykes, Secretary, and George Boon, Keeper of Archaeology, encouraged his involvement in castle studies, leading to a range of books, guidebooks for Cadw and English Heritage, as well as a series articles. Since the formation of the Castle Studies Group in 1987, he has been the committee member for Wales.

He has not just written on castles and artillery fortifications. Two catalogues of the rare books in the Library of the National Museum of Wales appeared, as well as related papers and notes. Short papers were published on Hampshire and Isle of Wight windmills, as well as clay pipes from Llandaff. His position at the National Museum enabled him to compile for several years annual listings of relevant

publications for three journals: *Archaeology in Wales*, *Medieval and Later Pottery in Wales*, and *Post-Medieval Archaeology*; he was also editor of the latter journal for ten years.

Committees on which he has sat include Library and Collections of the Society of Antiquaries of London and Publications of the Council for British Archaeology. He has been the committee member for Wales on the Castle Studies Group since its inception at Gregynog in 1987. He is also an Honorary Lecturer in SHARE, Cardiff University.

Currently, his main project, as an Honorary Research Fellow of Amgueddfa Cymru – National Museum Wales, is the history of castles studies in Britain and Ireland, from the seventeenth century onwards.