



THE LEARNED SOCIETY OF WALES
CYMDEITHAS DDYSGEDIG CYMRU

CELEBRATING SCHOLARSHIP AND SERVING THE NATION
DATHLU YSGOLHEICTOD A GWASANAETHU'R GENEDL

Annual Review

May 2011 – May 2012

EXPERT • SCHOLARSHIP • AUTHORITY
INDEPENDENT • RESEARCH • EXCELLENCE

Mission

“

To celebrate, recognise, preserve, protect and encourage excellence in all of the scholarly disciplines, and in the professions, industry and commerce, the arts and public service;

To promote the advancement of learning and scholarship and the dissemination and application of the results of academic enquiry and research;

To act as a source of independent and expert scholarly advice and comment on matters affecting the wellbeing of Wales and its people and to advance public discussion and interaction on matters of national and international importance.

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7256948

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President's Introduction

The Learned Society of Wales is Wales's first national scholarly academy and its establishment in May 2010 marked a very important development in the intellectual and cultural life of our nation. We now have the beginnings of an academy of learning of the kind that has long existed elsewhere in the United Kingdom.

The Society's guiding ethos is *Celebrating Scholarship and Serving the Nation*. Our aim is to celebrate, recognise, safeguard and encourage excellence in every one of the scholarly disciplines and in the professions, industry and commerce, the arts and public service, so that Wales should come to be seen widely and justifiably, as a small but clever country. Over time and appropriately-supported, the Society will ensure that Wales's intellectual capability is properly represented and promoted on the international stage. It will harness and channel the nation's talent for the good of our country, giving our people, politicians and policy-makers, and business people access to well-researched, scholarly and objective advice on issues of key importance. It will act as a defender of and protagonist for the very activities and functions which must surely underpin the notion of Welsh cleverness, particularly in these difficult times.

The Learned Society of Wales will reach full maturity only over many years and the range of its activities will necessarily be built up gradually over time. We have some way to go before we can emulate the great academies of London and Edinburgh, and those that flourish across Europe, in North America, and beyond but, as the pages that follow show, with continuing and generous pump-priming support of the University of Wales and valuable help from other sources, notably the universities in Wales that have hosted our events, we have enjoyed an encouraging second year.

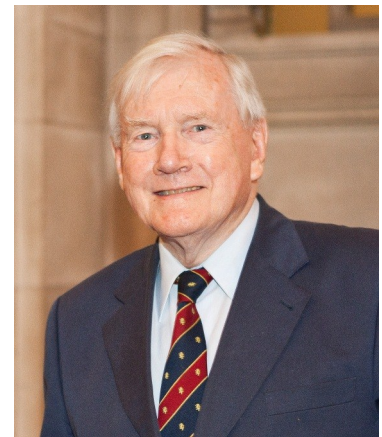
For example, we have:

- elected a very strong cohort of seventy three new Fellows, to add to the excellent lists of Founding Fellows and Fellows elected in the Inaugural Election last year; and
- taken the first steps towards securing a Royal Charter for the Society (which is currently constituted as a company limited by guarantee under a Memorandum and Articles of Association);

and have continued to:

- develop an exciting programme of lectures and other events;
- build relationships with key stakeholders in Welsh academia, the Welsh Government and Civil Service and beyond; and
- engage in public policy debate, for example, in the areas of the Welsh Assembly Government's support for our universities, science policy and research funding policy.

I look forward to reporting further on progress in future Annual Reviews.



John Cadogan

Sir John Cadogan CBE DSc FRSE FRSC PLSW FRS
President

Celebrating Scholarship and Serving the Nation



The Society's Programme of Events: Series and Themes

During the year we continued to develop a number of lecture series and some special themes that support the world of learning and organised and participated in a successful programme of more than twenty events.

The current **Lecture Series** are:

Frontiers - a lecture series in which distinguished academics are invited to speak about the frontiers of research and to place their own contributions in context. Frontiers Lecturers are drawn from the first rank of their disciplines, and are often visitors to Wales.

Anniversaries - a series of lectures, each associated with an anniversary, often marking people or achievements that have connections to Wales, in which distinguished academics are invited to reflect on discoveries, or to celebrate a person or event.

Our **Themes** are:

Invention, Innovation and Change

At the heart of our understanding of change is the interplay between the technical, commercial and social aspects of inventions, innovations and improvements. Events organised under this theme explore these fundamentals of the "knowledge economy".

The History of Science and Technology

Wales and its people have played a substantial role in the growth of scientific knowledge and its application, yet the history and heritage of Wales in science and technology are little known and neglected. This theme is developing the history of science and technology and its appreciation in general, and the Welsh scientific and technological heritage in particular.

The Universities

Universities are central to the development of the modern world. Expectations of higher education from individuals, businesses and governments increase and sometimes conflict. The global question arises: *What are Universities for?* Events organised under *The Universities* theme explore both their societal and economic functions and their intellectual and cultural roles.

Energy

The production and consumption of energy are fundamental to our social, economic and political lives. The problems of energy are sources of inspired and grand technologies, massive commercial enterprises, bitter international quarrels, magisterial rhetorics, passionate beliefs, and wishful thinking. Under this theme the Society is examining the complex and important subject of energy from a variety of standpoints, confronting speculation and belief with academic rigour and evidence.

During the year, it was decided that two further themes should also be developed:

The multi-disciplinary theme of **Patronage** will examine the various types of patronage in the arts and the sciences and in public life, as manifested in Wales, the UK and beyond, and will address the motivations and mechanisms for patronage and its consequences; and

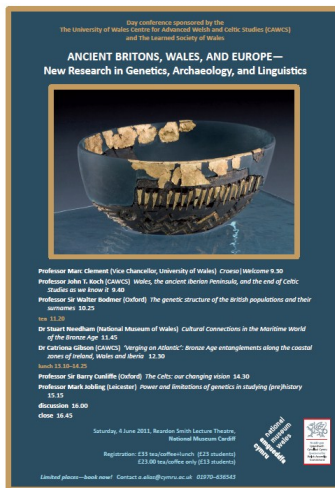
Welsh Civil Society will explore the peculiar development of civil society in Wales in the context of the recent devolution of significant powers of self-determination to a semi-independent Welsh Assembly, through a series of lectures that range across sociology and politics, history, cultural and media studies, and literature.



Programme of Events

4 June 2011 at the National Museum Cardiff

Ancient Britons, Europe and Wales: New Research in Genetics, Archaeology, and Linguistics, a one-day Conference jointly sponsored by the University of Wales Centre for Advanced Welsh and Celtic Studies and The Learned Society of Wales, and organised by Professor Sir Barry Cunliffe CBE FSA FLSW FBA and Professor John Koch FLSW.



7 June 2011 at Cardiff University

The Coldest March of Robert Falcon Scott, an **Anniversaries** lecture by Professor Susan Solomon ForMemRS, University of Colorado at Boulder, sponsored by the Society as one of the Scott Lecture Series organised by Professor Dianne Edwards CBE ScD FRSE FLS FLSW FRS of the School of Earth and Ocean Sciences at Cardiff University, to celebrate the centenary of Captain Scott's expedition to the South Pole.

13 July 2011 at Cardiff University

Gravitational Waves: Listening to the True Music of the Spheres!, a lecture by Professor Bernard Schutz FInstP FLSW, Director of the Max Planck Institute for Gravitational Physics (The Albert Einstein Institute), Potsdam, and Professor at the School of Physics and Astronomy, Cardiff University; organised by the School in association with the Society, on the occasion of the Amaldi-9 and NRDA-2011 Conferences.

20 – 22 July 2011 at Bangor University

Writing Welsh History, 1850–1950: Contexts and Comparisons, a Conference to mark the Centenary of J. E. Lloyd's *History of Wales* (1911); marking the groundbreaking work carried out by Sir John Edward Lloyd in establishing Welsh history as an academic discipline, the conference was organised by the School of History, Welsh History and Archaeology at the University of Bangor in association with the Society; speakers included a number of the Society's Fellows (Professor Thomas Charles-Edwards FRHistS FLSW FBA, Professor Robert Evans FLSW FBA, Professor Ralph Griffiths OBE DLitt FRHistS FLSW, Professor Prys Morgan FRHistS FSA FLSW and Professor Huw Pryce FLSW).

27 October 2011 at Cardiff University

Stability and Complexity in Model Banking Systems, a lecture by Professor Lord May of Oxford OM AC Kt FRS, Oxford University, President of the Royal Society 2000-2005. In the context of the recent banking crises, which have made it clear that increasingly complex strategies for managing risk in individual banks and investment funds have not been matched by corresponding attention to overall systemic risks, the lecture explored the implications of simple mathematical caricatures of "banking ecosystems" and showed that strategies that tend to minimise risk for individual banks can maximise the probability of systemic failure.



Professor Lord May



Programme of Events

1 November 2011 at Swansea University

Forty Years of Software Engineering, a lecture, organised in association with the South Wales Branch of the British Computer Society, by Professor Brian Randell DSc FBCS FLSW, Emeritus Professor of Computing Science and Senior Research Investigator, Newcastle University, the first in a series of lectures at Swansea University by distinguished computer scientists.



1 December 2011 at Cardiff University, and 2 December 2011 at Swansea University

The Genius of Michael Faraday; and *William Grove: Wales's Most Famous Scientist?*, two lectures by Professor Sir John Meurig Thomas DSc ScD FLSW FRS, Cambridge University, organised as part of the celebrations for the International Year of Chemistry, in association with, and supported by a generous grant from, the Royal Society of Chemistry.

The Cardiff University lecture examined Faraday's achievements and discoveries and pondered the genius of one of the greatest chemists who ever lived.



Professor Sir John Meurig Thomas

The second lecture, an **Anniversaries** lecture given in Swansea University, celebrated the bicentenary of the birth of William Grove, the "father of the fuel cell", and his pioneering research on fuel cell technology and on the conservation of energy.



7 December 2011 to 2 May 2011 at the Pierhead Building Cardiff Bay and in Cardiff University, *Reforming European Economic Governance: Implications for the United Kingdom and Wales*, a series of six events, organised by Professor Kenneth Dyson AcSS FRHistS FLSW FBA, Professor Alistair Cole FRHistS AcSS FLSW, *et al*, sponsored by the European Commission and the Cardiff School of European Languages, Translation and Politics, and supported by the Society.

Speakers in the series considered the implications for European economic governance of the unprecedented challenges precipitated by the largest global financial and economic crisis since the 1930s, which have drawn into question the future trajectory of the European Union and the very existence of the Euro. They were drawn from the UK and Welsh governments and private sectors, from EU institutions, from other Member States, and from academia, to discuss the future of the European Union and the potential strategic options that European, UK and Welsh governments face in responding to these issues.





Clockwise from left: Jonathan Scheele, European Commission, Head of Representation in the UK; Kay Swinburne MEP, Conservative Party; Professor Kenneth Dyson FLSW, Cardiff University; Professor Alistair Cole FLSW, Cardiff University; Professor Bela Greskovits, Central European University; Professor Alistair Cole; Dr David Grant FLSW, Vice-Chancellor Cardiff University; the Rt. Hon. Carwyn Jones AM, First Minister of Wales.



Programme of Events

7 March 2012 in Bangor University



Dylunio Bloodhound SSC, a Welsh-medium **Frontiers** lecture, on Designing the Bloodhound supersonic car, by Professor Kenneth Morgan FREng FLSW, organised by the Society in association with the School of Electronic Engineering at Bangor and the Institute of Physics (Wales).

26 March 2012 in Cardiff University

The William Menelaus Memorial

Lecture, From Here to Infinity, a lecture by Lord Rees of Ludlow OM FRS, the Astronomer Royal and Past President (2005-2010) of the Royal Society, organised by the South Wales Institute of Engineers Educational Trust (SWIET2007) in association with the Society.



As well as providing an insight into Lord Rees's research into astronomy and astrophysics, the lecture explored some of the themes examined by him in his 2010 BBC Radio 4 Reith Lectures and in his subsequent book (both also entitled *From Here to Infinity*): science and its role in society at large and its importance in the 21st century.

17 and 18 April 2012 in Cardiff University

Back to the Big Bang, the Large Hadron Collider, by Professor Lyn Evans CBE FLSW FRS (CERN), and *The Spectral Point of View on Geometry and Physics*, by Professor Alain Connes (College de France, IHES and Vanderbilt).

These were two **Frontiers** lectures given during the Welsh Institute of Mathematical and Computational Sciences (WIMCS) Meeting on Noncommutative Geometry, funded by WIMCS, the Isaac Newton Institute for Mathematical Sciences, Cambridge, and Oxford University Press, and were organised by Professor David Evans FLSW in association with the Society.

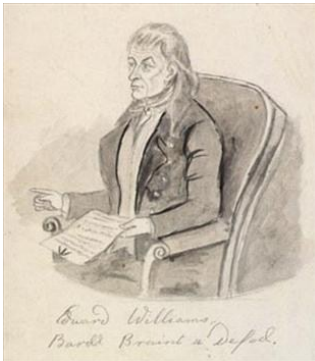


Sir John Cadogan, Lord Rees and Professor Vernon Morgan FLSW



Programme of Events

20 April 2012 in St Donat's Arts Centre,
Atlantic College, St Donat's Castle,
Llantwit Major



The Prince of Welsh Romantics: Iolo Morganwg and his legacy, a lecture on the founder of the Gorsedd of the Bards of the Isles of Britain by Professor Geraint Jenkins FLSW FBA, formerly Director of the University of Wales Centre of Advanced Welsh and Celtic Studies and of the Centre's project, *Iolo Morganwg and the Romantic Tradition in Wales, 1740–1918*, organised by the Society in partnership with Atlantic College and Eisteddfod Genedlaethol Bro Morgannwg.

10 May 2012 in Theatr Y Drwm,
National Library of Wales, Aberystwyth
Saunders Lewis: Ein Theatr Heddiw, a Welsh-medium lecture by Professor Tudur Hallam (Academi Hywel Teifi, Swansea University) on the state of contemporary Welsh theatre and the relevance to it of the dramatic works of Saunders Lewis, organised by Cronfa Goffa Saunders Lewis, in association with Academi Hywel Teifi, the National Library of Wales and the Society.



15 May 2012 in Cardiff University



Building a Stronger Innovation Culture: The Benefits for Universities, business and the Economy in Engaging in Innovation and Enterprise, an **Invention, Innovation and Change** lecture by Professor Sir Christopher Snowden FRS FREng FIET FIEEE FCGI (Vice-Chancellor of the University of Surrey), organised by the School of Engineering, Cardiff University, in association with the Society.

We welcome proposals from academics and others, in Wales and more widely, for lectures, symposia and other events and activities that will support or develop our Programme.



Funding, Support and Staffing

The Society's establishment and its operation since its launch in 2010 have been made possible by generous pump-priming support from the University of Wales which committed, in the first instance, to provide a grant over the three-year period from 2009/10 to the end of 2011/12, together with office space and other significant infrastructure support. During the year further support was committed for the three-year period to 2014/15. We are very grateful to the Council of the University for its far-sighted commitment to helping to bring to fruition the vision of a national academy for Wales and for enabling the Society to continue to conduct its business entirely independently.

"Independence of our Society is vital – and no more so than today – so I stress that, although our Society owes much to the pump priming of the University of Wales, we see ourselves as the first pan Wales institution, independent of Government, devoted to supporting excellence in every one of the scholarly disciplines and in the professions, industry, commerce and the Arts and public service."

– Sir John Cadogan, President

We have also continued to benefit from generous in-kind support from other organisations. These include Cardiff, Swansea, Aberystwyth and Bangor Universities, as well as Atlantic College and the National Library of Wales, all of which have helpfully provided venues for Society events at no charge during 2011/12. Swansea University also hosts the Society's website. In addition, PricewaterhouseCoopers have generously provided audit services to the Society *pro bono*. (The Society's first audited accounts covered the period from its incorporation on 18 May 2010 to 31 July 2011 and were presented to the Annual General Meeting on 23 May 2012.)

In 2011/12, for the first time, we also derived some income from subscriptions charged to Fellows, and from admission fees for newly-elected Fellows.

Following on from our successful application to the Charity Commission for charitable status, the Council launched a Fellows' Appeal Fund in November 2011.

As it has worked to develop its business and strategic plans for the Society (which will be realistic and achievable, whilst also being appropriately aspirational and ambitious), the Council has recognised that additional income sources need to be explored as a matter of urgency in order to enable us to develop the Society's programme over the next few years. Work on this has already begun and will be taken forward in earnest in 2012/13.

Staffing

Present funding levels enable the Society to operate at a fairly modest but still meaningful level. This is reflected in staffing levels during 2011/12 – one full-time Chief Executive (Dr Lynn Williams), who was initially (until September 2011) supported by one part-time Administrative Assistant (Dr Ben Curtis). Dr Curtis resigned in September to take up an academic post. We are most grateful to him for his service and wish him every success. In December 2011, the Society was pleased to welcome Dr Sarah Morse, who took up the new, full-time post of Executive Officer.



Building Relationships

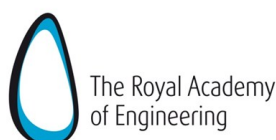
Recognising the importance to the Society's development of building relationships with stakeholders, during the year the Officers devoted considerable time and energy to establishing links with, and meeting representatives of, a range of organisations. These included:

- the Vice-Chancellors and other officers and staff of Welsh Universities and their representative bodies, Higher Education Wales (HEW) and the Chairs of Higher Education Wales (CHEW);
- a range of Welsh Government and other politicians and senior civil servants (including: David Jones MP, Parliamentary Under Secretary of State for Wales; the Rt. Hon. David Willetts MP, Minister of State for Universities and Science; Dame Gill Morgan, Welsh Government Permanent Secretary; Professor John Harries FLSW, Welsh Government Chief Scientific Adviser; Dr Emyr Roberts, Welsh Government Director General, Education and Skills);
- officers and representatives of other learned societies, including the Royal Society, the British Academy, the Royal Society of Edinburgh, the Royal Academy of Engineering, the Royal Society of Chemistry, the Institute of Physics (Wales), and the British Computer Society;
- officers and representatives of other national organisations in Wales, including the National Library, the National Museum, the National Eisteddfod, and the Institute of Welsh Affairs;
- representatives of the European Commission;
- officers and representatives of other charities, including the Leverhulme Trust and the South Wales Institute of Engineers Educational Trust – SWIET2007.



The development of the relationship with **SWIET2007** is particularly worthy of note:

- the General Secretary of the Society, Professor John Tucker, has been invited to sit on the SWIET Board of Trustees;
- the Society has also been invited to participate with SWIET in the Annual William Menelaus Memorial Lecture;
- SWIET has made a grant of £3,000 to support the Society's activities during 2011/12 (part of which is being used to support a long-term project to develop a Bibliography of Science, Technology and Engineering in Wales); and,
- beginning in 2013, the Society will award the Menelaus Medal sponsored by SWIET.





Policy Initiatives

Part of our Mission is to:

act as a source of independent and expert scholarly advice and comment on matters affecting the wellbeing of Wales and its people and to advance public discussion and interaction on matters of national and international importance.

We have identified a range of public policy areas in which we propose that the Society should engage over the coming years, including:

- higher education funding and policy
- research funding and policy
- science policy including the environment and energy
- cultural and heritage policy
- social policy, including social cohesion and exclusion
- economic policy

and we addressed a number of these issues during the year.

The Funding Gap

On 1 March 2011, the Council had issued a paper commenting on the Funding Gap (available on our website: <http://learnedsocietywales.ac.uk/node/62>). It showed that it had been Welsh Government policy over the past decade to underfund Welsh universities compared with those in England and Scotland and that the cumulative funding gap between Wales and England over the ten years 2000 to 2009 was more than £360 million and that between Wales and Scotland was more than £1 billion.

“The universities are the long term guardians of the future of the Nation. Whatever excellence resides in Wales undoubtedly lies to a great part with them – the cornerstone of our knowledge base.”

Work on this issue continued during the first part of 2011/12 and, on 18 October 2011, we published *The Funding Gap*, the Society’s correspondence with the Minister for Education and Skills, Leighton Andrews AM, about the funding of the Welsh Universities.

“To gamble the already delicately poised future of the universities [...] is dangerous for Wales.”

The paper, which is also available on our website (<http://learnedsocietywales.ac.uk/node/283>), was circulated widely and covered by the Welsh media.

Science Policy

During the autumn of 2011, we were invited to provide comments on a draft of *Science for Wales: a strategic agenda for science in Wales* that had been issued by the Office of the Chief Scientific Adviser (CSA). Further to consultation with members of Council, on behalf of the Society the President submitted comments personally to the CSA. The final version of the document, which took some account of the comments that had been submitted by the Society, was published by the Welsh Government on 12 March 2012.

Research Funding Policy

On 21 January 2012, further to discussion of the issue by the Council, the President wrote to the Rt. Hon. David Willetts MP, Minister of State for Universities and Science, to express concerns about recent policy changes introduced by the Engineering and Physical Sciences Research Council (EPSRC) under the title *Shaping Capability* and, in particular, about the new requirement that applicants for EPSRC grants “will have to clearly identify the national importance of their proposed research project, over a 10-50 year time frame”. These concerns echoed those which had been expressed by a large number of academics from across the United Kingdom.

“None of the great breakouts which have changed the world would have met this criterion. This breath-taking nonsense will give preference to short term work based on today’s knowledge but not to searches into the unknown. It suggests an ignorance of the nature of scientific discovery which underpins subsequent application. Planned discovery is impossible.”

Funding of the Arts Humanities and Social Sciences

Consideration is being given to making the particular financial difficulties now facing the Arts, Humanities and Social Sciences the subject of the Society’s next programme of action.

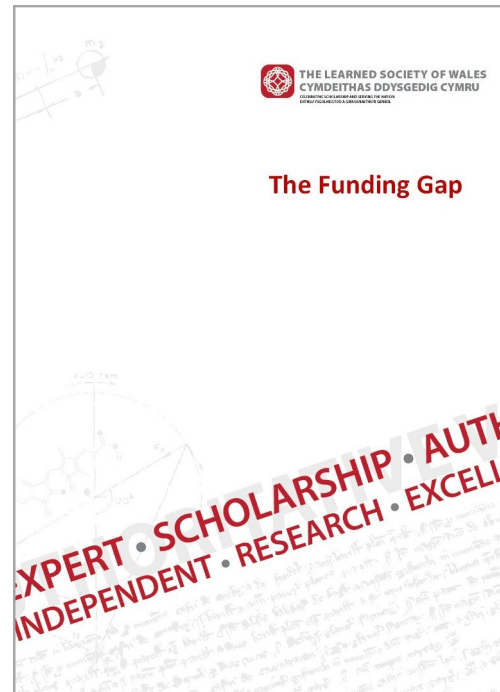


Publications

During the year the Society issued a number of publications, all of which are available *via* the Publications page of the website. These are:

- the President's Second *Annual Address* (25 May 2011);
- the *Annual Review* for 2010/11 (25 May 2011);
- the *Proceedings* of the Society's Symposium, *What are Universities for?*, held on 18 May 2011 (21 June 2011);
- the Society's *Comments on higher education tuition fees in Wales* (14 July 2011);
- *The Funding Gap*, the Society's correspondence with the Minister for Education and Skills, Leighton Andrews AM, about the funding of the Welsh Universities (18 October 2011); and
- the *Annual Report and Accounts* for the period 18 May 2010 to 31 July 2011 (1 February 2012).

In addition, during September 2011, essays by three of our Fellows (Professor Wyn Roberts, Professor Dai Smith and Professor John Tucker) were published in the *Western Mail* as part of the series *Education in Wales must do better: discuss*.





Honours, Prizes and Awards

We warmly congratulate the following Fellows upon whom honours, prizes and awards were conferred during the year:

- Professor John Aggleton FMedSci FLSW FRS, Professor of Cognitive Neuroscience, School of Psychology, Cardiff University – elected FRS, 2012
- Professor Michael Charlton FInstP FLSW, Professor of Experimental Physics, Department of Physics, Swansea University – co-recipient of the American Physical Society James Dawson Award for Excellence in Plasma Physics Research, 2011
- Professor Dianne Edwards CBE ScD FRSE FLS FLSW FRS, Vice-President of the Society, and Distinguished Research Professor in Palaeobotany, School of Earth and Ocean Sciences, Cardiff University – elected to be the President of the Linnean Society of London (taking office on 24 May 2012)
- Professor Steve Jones DSc FLSW FRS, Professor of Genetics, University College London – elected FRS, 2012
- Professor Jim Murray FLSW, Head of the Division of Molecular Biosciences, School of Biosciences, Cardiff University – co-recipient of the BBSRC Commercial Innovator of the Year award, 2012
- Professor Ole Petersen CBE FRCP FMedSci FLSW FRS – invited to give his inaugural public lecture as a newly-elected Member of the German National Academy of Sciences Leopoldina on the eve of the formal opening of the Academy's new Headquarters in Halle, 23 May 2012
- Professor Hywel Thomas FREng FLSW FRS, Professor of Civil Engineering and UNESCO Professor in the Development of a Sustainable Environment, School of Engineering, Cardiff University – elected FRS, 2012
- Professor Sir John Meurig Thomas DSc ScD FLSW FRS, Honorary Professor in Solid State Chemistry, Department of Materials Science, University of Cambridge - awarded the Kapitza Gold Medal by the Russian Academy of Natural Sciences, 2011; invited to give the Henri LaBarre Jayne Prize Lecture of the American Philosophical Society, 2012
- Professor Kenneth Walters DSc FLSW FRS, Distinguished Research Professor, Institute of Mathematics and Physics, Aberystwyth University – awarded the Honorary Degree of DSc by the University of Strathclyde, 2011
- Professor Geraint Williams OBE FMedSci FRCP FRCPATH FLSW, Professor of Pathology, School of Medicine, Cardiff University – appointed OBE for services to medicine in the Queen's Birthday Honours, 2011



Fellows Elected in 2011/12

One of the most important steps that we took during 2011/12 was to conduct our second Election of new Fellows. In all, 73 new Fellows were elected in April 2012, bringing the total number of Fellows to 250. The Society has been strengthened considerably by this election, which is part of a rolling process – one that will take three years or more – towards the building of a strong, representative Fellowship that embodies the very best of which Wales is capable in the major academic disciplines.

The new Fellows are listed on the pages that follow.

The electoral process

Election to Fellowship of the Learned Society of Wales is via nomination by existing Fellows. It is open to men and women of all ages and from all ethnic groups:

who have a demonstrable record of excellence and achievement in any of the academic disciplines or who, being members of the professions, the arts, industry, commerce or public service, have made a distinguished contribution to the world of learning; and

who are resident in Wales, or who are persons of Welsh birth but are resident elsewhere, or who otherwise have a particular connection with Wales.

The nominations submitted during 2011/12 were considered in the first instance by nine Scrutiny Committees made up of a total of 58 Fellows on the basis of whose advice the Council drew up its approved list of candidates. This was then submitted to the Fellowship for confirmation and formal election.

“We have elected a further very strong cohort of new Fellows, to add to the existing list of excellent Founding Fellows and Fellows.

Our Fellowship represents internationally-recognised expertise and knowledge extending from economics to electrical engineering and from philosophy to particle physics. It is a mobilisable bank of knowledge not constrained by institutional or political barriers and we have for the first time an expert resource easily accessible for the benefit of Wales.

Over the coming years, the Fellowship will continue to grow by election judged by peer review. To be elected will continue to be a target for our young scholars.”

Sir John Cadogan



Fellows Elected in 2011/12

Professor (John) Hagan (Pryce) Bayley FRSC FRS FLSW

Professor of Chemical Biology, Oxford University

Professor Deirdre Beddoe FLSW

Emerita Professor, School of Humanities and Social Sciences, University of Glamorgan

Professor David Blackaby FLSW

Professor of Economics, Swansea University

Professor Javier Bonet FLSW

Professor of Engineering, Head of the College of Engineering, Swansea University

Professor (Anthony) Gareth Brenton FLSW

Professor of Mass Spectrometry, Director of the Institute of Mass Spectrometry, College of Medicine, Swansea University

Professor Joseph Cartwright FGS FLSW

Professor of Geophysics, School of Earth and Ocean Sciences, Cardiff University

Professor David Charles FLSW

Professor of Philosophy, Oxford University

Professor Nickie Charles FLSW

Professor of Sociology and Director of the Centre for the Study of Women and Gender, University of Warwick

Professor Min Chen FBCS FEG FLSW

Professor of Scientific Visualisation, Oxford e-Research Centre, Oxford University

Professor Dame June Clark DBE FRCN FAAN FLSW

Emeritus Professor, College of Human and Health Sciences, Swansea University

Professor Alan Clarke FLSW

Head of Research, Cardiff School of Biosciences, Cardiff University

Professor Vincenzo Crunelli FMedSci FLSW

Professor of Neuroscience, Neuroscience Research Division, Cardiff University

The Reverend Professor Douglas (James) Davies DLitt AcSS SBStJ FLSW

Professor of the Study of Religion, Department of Theology and Religion, Director of the Centre for Death and Life Studies, Durham University

Professor Sioned Davies FLSW

Professor of Welsh and Head of the School of Welsh, Cardiff University

Dr Peter Dorey FRHistS FLSW

Reader in British Politics, School of European Languages, Translation and Politics, Cardiff University

Professor Gillian Douglas FLSW

Professor of Law, School of Law, Cardiff University



Fellows Elected in 2011/12

Professor David (Eric) Edmunds FLSW

Emeritus Professor, Department of Mathematics, University of Sussex

Professor Nancy (Margaret) Edwards FSA FLSW

Professor of Medieval Archaeology, Bangor University

Professor Peter (Gerald) Edwards FLSW

Professor of Inorganic Chemistry, School of Chemistry, Cardiff University

Professor Ralph (William) Fevre FLSW

Professor of Social Research, School of Social Sciences, Cardiff University

Professor John (Eirwyn) Ffowcs Williams DSc ScD FREng FIMA FRAeS FInstP FIOA FAIAA FRSA FLSW

Formerly: Rank Professor of Engineering and Master of Emmanuel College, Cambridge University

Professor Kevin (John) Flynn FLSW

Professor of Marine Biology and Head of the Department of Biosciences, Swansea University

Professor (Thomas) Anthony Ford FLSW

Emeritus Professor, School of Chemistry, University of KwaZulu-Natal, Durban

Professor Walter (Kieran) Gear FLSW

Professor of Experimental Physics and Head of the School of Physics and Astronomy, Cardiff University

Professor William George DSc FRSC FLSW

Emeritus Professor, Department of Science and Sport, University of Glamorgan

Professor Claire (Jacqueline) Gorrara FRHistS FLSW

Professor of French Studies, School of European Languages, Translation and Politics, Cardiff University

Professor Matthew (Joseph) Griffin FLSW

Professor of Astrophysics, School of Physics & Astronomy, Cardiff University

The Reverend Dr Lord Leslie (John) Griffiths of Pembrey and Burry Port FLSW

Superintendent Minister, Wesley's Chapel, London; formerly President of the Methodist Conference

Professor John (Martin) Harper DMus FRCO(CHM) FRSCM FLSW

RSCM Research Professor in Music and Liturgy, Director of the International Centre for Sacred Music Studies, Bangor University; Emeritus Director, the Royal School of Church Music

The Right Reverend and Rt Hon Professor Lord Richard (Douglas) Harries of Pentregarth FRSL FLSW

Gresham Professor of Divinity; Honorary Professor Theology and Fellow, Kings College, London; formerly Bishop of Oxford



Fellows Elected in 2011/12

Professor Oubay Hassan MBE DSc(Eng) FICE FLSW

Head of the Civil and Computational Engineering Centre, School of Engineering, Swansea University

Professor John Heywood Thomas DD FLSW

Emeritus Professor of Theology, University of Nottingham

Professor Karen (Margaret) Holford FIMechE, FICE, FInstP FLSW

Director, Cardiff School of Engineering, Cardiff University

Professor Colin Hughes ScD FLSW

Professor of Microbiology, University of Cambridge; Fellow, Trinity College, Cambridge

Professor Angela (Vaughan) John FRHistS FLSW

Honorary Professor of History, Aberystwyth University; formerly Professor of History, University of Greenwich

Professor (David) Barrie Johnson DSc

School of Biological Sciences, Bangor University

Professor David Wyn Jones FLSW

Head of the School of Music, Cardiff University

Professor Ian Rees Jones FLSW

Professor of Sociology and Head of the School of Social Sciences, Bangor University

Professor John (David Stuart) Jones FLSW

Professor of Mathematics, University of Warwick

Professor (William) Jeremy Jones FRSC FLSW

Formerly: Professor and Head of the Department of Chemistry, University of Wales, Aberystwyth; Professor of Chemistry and Dean of the Faculty of Science, University of Wales Swansea

Professor Bhushan (Lal) Karihaloo DEng FICE FLSW

Laing O'Rourke Professor of Hybrid Concrete Innovation, Institute of Mechanics and Advanced Materials, Cardiff School of Engineering, Cardiff University

Professor David Kay FRSPH FRGS FLSW

Head of the Centre for Research into Environment and Health, Aberystwyth University

Professor Douglas Kell FIBiol FLSW

Research Professor of Bioanalytical Science, University of Manchester; Chief Executive Officer, Biotechnology and Biological Sciences Research Council (BBSRC)

Professor Wolfgang (Werner) Langbein FLSW

Professor of Physics, School of Physics and Astronomy, Cardiff University

Professor Andrew M L Lever FMedSci FRCP FRCPATH FRSC FLSW

Professor of Infectious Diseases, Department of Medicine, University of Cambridge



Fellows Elected in 2011/12

Professor Michael Levi DSc(Econ) AcSS FLSW

Professor of Criminology, School of Social Sciences, Cardiff University

Professor Dewi (Meirion) Lewis FInstP FRAS FLSW

Industry Advisor, CERN Particle Physics Laboratory, Geneva

Professor Roland (Wynne) Lewis DSc FEng FICE FLSW

Emeritus Professor, College of Engineering, Swansea University

Professor Anthony (Stephen Reid) Manstead FBPsS AcSS FBA FLSW

School of Psychology, Cardiff University

Professor Haydn Mason FLSW

Emeritus Professor of French, University of Bristol

Professor April (Mary Scott) McMahon FRSE FBA FLSW

Vice-Chancellor, Aberystwyth University; formerly Head of Linguistics and English Language, and Forbes Professor of English Language, Edinburgh University

Professor (William) John Morgan FRAI FRSAFLSW

Chair of Political Economy and Education, School of Education, University of Nottingham; Chairman of the UK National Commission for UNESCO

Professor Russell (Edward) Morris FRSE FRSC FLSW

Professor of Structural Materials Chemistry, University of St Andrews

Professor Tavi Murray FLSW

Professor of Glaciology, School of the Environment and Society, Swansea University

Professor Andrew Pelter DSc FRIC FLSW

Emeritus Professor of Organic Chemistry, Swansea University

Professor Djordje Peric DSc FLSW

Civil and Computational Engineering Centre, College of Engineering, Swansea University

Professor Glyn O Phillips DSc FRSC FLSW

Executive Chair, Phillips Hydrocolloid Research Company; formerly Executive Principal, North East Wales Institute of Higher Education

Professor Judith (Eleri) Phillips AcSS FLSW

Professor of Gerontology, and Director of the Research Institute for Applied Social Sciences (RIASS), Swansea University

Professor Timothy (Nigel) Phillips DSc FLSW

School of Mathematics, Cardiff University

Professor Timothy Porter FLSW

Emeritus Professor of Mathematics, Bangor University



Fellows Elected in 2011/12

Professor Alun (David) Preece FLSW

Professor of Knowledge & Information Systems, Cardiff School of Computer Science and Informatics, Cardiff University

Professor Robert D Rafal FLSW

Professor of Clinical Neuroscience and Neuropsychology, Bangor University

Professor Michael (Ivor) Reed AcSS FLSW

Professor of Organizational Analysis, Cardiff Business School, Cardiff University

Professor Teresa (Lesley) Rees CBE AcSS FRSA FLSW

Professor of Social Sciences, School of Social Sciences, Cardiff University, and Director (Wales) Leadership Foundation in Higher Education

Professor Anne (Elizabeth) Rosser FRCP FLSW

Professor of Clinical Neuroscience, Cardiff School of Biosciences, Cardiff University

Professor John Rowlands FLSW

Emeritus Professor, Department of Welsh, Aberystwyth University

Professor Qiang Shen FBCS FLSW

Professor of Computer Science and Head of Department of Computer Science, Aberystwyth University

Professor Robin Stowell FLSW

Professor of Music, Cardiff University

Professor Andrew Vincent FRHistS FLSW

Emeritus Professor and, formerly, Director School of European Studies, Cardiff University

Professor Valerie Walkerdine FRSA FLSW

Distinguished Research Professor, School of Social Sciences, Cardiff University

Professor Christopher (John) Wickham FBA FLSW

Chichele Professor of Medieval History, Oxford University

The Reverend Professor John Tudno Williams FLSW

Formerly: Head of the United Theological College, Aberystwyth

Professor John (Patrick) Woodcock OBE DSc FInstP FIPeM FLSW

Emeritus Professor of Clinical Engineering and Medical Physics, School of Engineering, Cardiff University

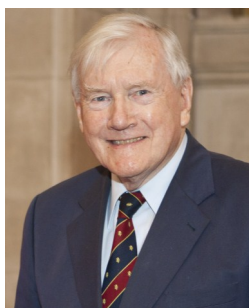




The Society's Officers

The five Fellows who were elected to serve as the Society's Inaugural Officers continued to serve throughout the year:

President and Chair of Council



Sir John Cadogan CBE DSc FRSE
FRSC PLSW FRS

Vice-President

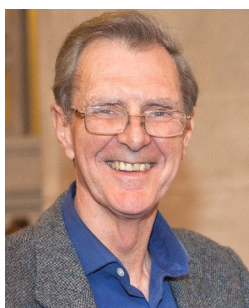
(Science, Technology and Medicine)



Professor Dianne Edwards CBE ScD
FRSE PLS FLSW FRS

Vice-President

(the Arts, Humanities and Social Sciences)



Professor M Wynn Thomas OBE FLSW
FBA

General Secretary



Professor John Tucker FBCS FLSW

Treasurer



Sir Roger Jones OBE FLSW

The Treasurer

Because of the pressure of other duties, Sir Roger Jones OBE FLSW, who had been elected by the Council in 2010 to serve as the Society's Inaugural Treasurer, announced his intention to stand down from the Office at the end of the year (that is, with effect from the close of the Annual General Meeting on 23 May 2012). In March 2012, the Council elected Professor John Wyn Owen CB FRGS FHSM FRSocMed FLSW to succeed Sir Roger as Treasurer, to serve for the period of three Society Years beginning on 23 May 2012. We are most grateful to Sir Roger for his contribution to the work of the Society during its formative years, and are pleased that he has agreed to continue to serve as a member of Council. We look forward to working with Professor Owen in his new role.



Professor John Wyn Owen CB
FRGS FHSM FRSocMed FLSW



The Society's Council

Five meetings of the Council, the Society's governing body, were held during 2011/12.

The terms of office of six members of the Society's Council came to an end during the year (unless otherwise indicated, at the close of the Annual General Meeting on 23 May 2012):

- Professor Roy Evans CBE FREng FICE FStructE FLSW
- Professor Baroness Illora Finlay FRCP FRCGP FLSW
- Professor Geraint H Jenkins DLitt FLSW FBA (6 October 2011)
- Sir Ronald Mason KCB FRSC FIMMM FLSW FRS
- Professor Susan Mendus FLSW FBA
- Professor Derec Llwyd Morgan DLitt FLSW

We are most grateful to them for their service at a key stage in the Society's development.

In addition to the five Officers, the other members of the Council during the year were:

- Professor Kenneth Dyson AcSS FRHistS FLSW FBA
- Professor Robert Evans FLSW FBA
- Professor Prys T J Morgan FRHistS FSA FLSW
- Professor John Wyn Owen CB FRGS FHSM FRSocMed FLSW
- Professor Keith G Robbins DLitt FRSE FRHistS FLSW
- Professor Sir John Meurig Thomas DSc ScD FLSW FRS
- Professor Robin H Williams CBE FInstP FLSW FRS

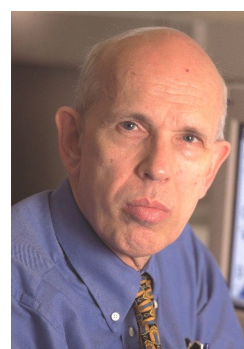
New members of Council

The members of the Council are elected by the Fellows, from amongst their number.

The following Fellows were elected during the year to serve as members of Council for a period of three Society Years, from the close of the Annual General Meeting on 23 May 2012 until the close of the Annual General Meeting in 2015:



Professor Jane Aaron FLSW



Professor Ole Petersen CBE FLSW FRS



Professor David Boucher FRHistS
AcSS FLSW



Professor Alan Shore FInstP FLSW



Professor Roger Owen FREng
FLSW FRS



Professor Keith Smith FRSC FLSW



The Society's Committees

The work of the Council was supported by the **General Purposes Committee** and the **Finance Committee** and by two further committees that were established during the year:

- **the Programme Advisory Group** whose function is “to consider the development of the Society's Programme and to report and submit advice thereon to the General Purposes Committee”; and
- **the Nominations Committee**, whose functions include to advise the Council on matters relating to the appointment of Officers, membership of the Council and the balance of the Fellowship (for example, in terms of sex, age, subject distribution and geographical distribution).

Members of the General Purposes Committee

Ex officio:

The President (Chair);
The other Officers.

Appointed by the Council:

Professor Geraint Jenkins
(until 6 October 2011);
Professor Prys Morgan;
Professor Keith Robbins.

Members of the Finance Committee:

Ex officio:

The Treasurer (Chair);
The General Secretary.

Appointed by the Council:

Professor Kenneth Dyson;
Professor John Wyn Owen;
Professor Robin Williams ;

Co-opted (from 6 July 2011):

Professor Vernon Morgan DSc
FREng FCGI FIET FInstP FLSW.

Members of the Programme Advisory Group:

Ex officio:

The General Secretary (Chair);
The two Vice-Presidents.

Appointed by the Vice-Presidents:

Dr Sally Davies FRCP FLSW;
Professor Gareth Rees AcSS FLSW.

Members of the Nominations Committee

Ex officio:

The President (Chair);
The General Secretary.

Appointed by the Council:

Professor M Wynn Thomas;
Professor Kenneth Dyson.



THE LEARNED SOCIETY OF WALES
CYMDEITHAS DDYSGEDIG CYMRU

CELEBRATING SCHOLARSHIP AND SERVING THE NATION
DATHLU YSGOLHEICTOD A GWASANAETHU'R GENEDL

Annual Review

May 2011 – May 2012

EXPERT • SCHOLARSHIP • AUTHORITY
INDEPENDENT • RESEARCH • EXCELLENCE