



Foreword by the President

The Lord Oxburgh KBE FRS

This was an eventful year.

Let me start by paying tribute to two individuals who, in very different ways, shaped the development of the Parliamentary and Scientific Committee.

My predecessor, Patrick Jenkin, Lord Jenkin of Roding, died on 20th December 2016 at the age of 90; he was our President for more than five years.

In this role he was always conscientious, reliable and unfailingly polite. He was also warm and supportive to individuals. He always seemed to have a twinkle in his eye and managed to give the impression that he enjoyed whatever he was doing.

He was passionate in his belief in the importance of science and technology for both politics and civil society in general. He espoused the benefits of science like few qualified scientists: This was in spite of the fact that he was one of that increasingly rare breed able to declare that he had never received a formal science lesson in his life! Patrick himself never stopped apologizing for this lacuna in his CV, although he clearly did his best to make up for it.

For many his lasting memorial is the November 2000 House of Lords Science and Technology report on Science and Society. He chaired the committee that produced the report and wrote much of it himself. This is still regarded as a seminal work of analysis and guidance for interaction between scientists and the lay public.

He was also a talented singer and many of us will have enjoyed hearing him in the Parliamentary choir singing Messiah.

For many people, Annabel Lloyd, who died in May simply was the P&SC. She cherished it for nearly 25 years, and worked with many Presidents, Chairmen and Executive Secretaries.

However it was not just her longevity that was responsible for the respect and affection that was expressed. Her dedication to the organization, her fierce pride in its wellbeing, her total reliability and integrity were all remarkable. She had a

formidable memory, and scarcely needed a filing system or a hard drive. The complete history of the P&SC was in her brain.

She bore her final illness with the stoicism we who knew her would have expected. We received several hundred messages of condolence.

Perhaps the most significant event of the year for Science and Technology was the outcome of the Referendum in June. The UK has been at the centre of European science since long before the European Union came into being. However, the potential consequences of Brexit for UK are clearly enormous. New processes for interacting with our EU neighbours will be needed and funding streams for UK research and academic interchange will have to come from different routes. There is wide agreement that the UK did particularly well in the competition for scientific funding within the EU and this funding is clearly at risk. We have joined with many other scientific bodies to ensure that Ministers are in no doubt about this threat.

Science has always benefited from the free exchange and movement of individuals, both students and more senior researchers, between research laboratories and institutions in different countries. There is no suggestion that, provided they can be funded, such exchanges will not continue post-Brexit but there is every indication that they will become bureaucratically more cumbersome. The uncertainty surrounding the next few years is certainly not helpful to such cultural exchanges.

We hosted a seminar with George Freeman, representing the Government, in September to allow some of these points to be discussed.

The rest of the year was very much business as usual. Among a wide range of intriguing and sometimes provocative topics it is worth pointing out that we put together at very short notice a Science Week seminar on Zika virus once it had become clear what a dangerous threat was looming.

We welcomed Dr Ruth McKernan as our Guest of Honour at the Annual Lunch and were left in do doubt that InnovateUK was in safe and energetic hands.

As a previous Chief Scientific Adviser to the Ministry of Defence, I was of course intrigued to see “Science and Warfare” as our December Discussion topic. Even scratching the surface of such a complex topic shows how much has advanced since I was in the hot seat.

We are looking forward to an equally stimulating and relevant set of meetings in the year to come.



2

Membership 2016

Parliamentary Membership

Any member of either House of Parliament including those hereditary peers in membership of the Committee on 8th November 1999 or British Member of the European Parliament shall be eligible to be a member of the Committee.

House of Lords

Baroness Andrews	Baroness Jones of Whitchurch	Viscount Slim
Lord Armstrong of Ilminster	Lord Judd	Lord Spicer
Lord Boswell of Aynho	Lord Kakkar	Lord Stevenson of Coddanham
Lord Broers	Lord Krebs	Lord Stoddart of Swindon
Lord Clement-Jones	Lord Mackenzie of Culkein	Lord Stone of Blackheath
Lord Craig of Radley	Lord McColl of Dulwich	Lord Sutherland of Houndwood
Lord Davies of Colby	The Countess of Mar	Lord Taverner
Baroness Dean of Thornton-le-Fylde	Baroness Masham of Ilton	Lord Tebbit
Lord Deben	Lord May of Oxford	Lord Thomas of Macclesfield (<i>up to 2016</i>)
Lord Fox	Baroness Neville-Rolfe	Baroness Thornton
Lord Framlingham	Baroness Nicholson of Winterbourne	Lord Tees
Baroness Gibson of Market Rasen	Baroness Northover	Lord Trefgarne
Baroness Gould of Potternewton	Lord O'Neill of Clackmannan	Lord Turnbull
Baroness Greenfield	Lord Oxburgh	Baroness Turner of Camden
Baroness Hamwee	Lord Patel	Lord Vinson
Lord Haskel	Lord Patten	Lord Wade of Chorlton (<i>retired 2016</i>)
Lord Hennessy of Nympsfield	Baroness Perry of Southwark (<i>retired 2016</i>)	Lord Waldegrave of North Hill
Baroness Hilton of Eggardon	Lord Rea	Baroness Walmsley
Baroness Howe of Idlicote	Lord Rees of Ludlow	Lord Walton of Dechant (<i>deceased April 2016</i>)
Lord Howe of Troon	Lord Ribeiro	Baroness Warwick of Undercliffe
Lord Hoyle	Lord Rooker	Lord Willis of Knaresborough
Lord Hunt of Chesterton	Lord Sainsbury of Turville	Lord Winston
Lord Hunt of Wirral	The Earl of Selborne	
Lord Jopling	Baroness Sharp of Guildford (<i>retired 2016</i>)	
	Viscount Simon	
House of Commons		
Adam Afriyie	Andrew Bridgen	David Davies
Ian Austin	Jo Churchill	The Rt Hon David Davis
Bob Blackman	Dr Therese Coffey	Martyn Day
Tom Blenkinsop	Oliver Colville	Thangam Debbonaire
Victoria Borwick	Ronnie Cowan	Jim Down
Sir Peter Bottomley	Nic Dakin	Nigel Evans
	Chris Davies	Robert Fello

3

Rt Hon Caroline Flint	Gareth Johnson	Chris Phillip
Paul Flynn	David Jones	Jonathan Reynolds
George Freeman	Phillip Lee	Alok Sharma
Mark Ganner	Chris Lewis	Alec Shelbrooke
Rt Hon Cheryl Gillan	Kerry McCarthy	Jeff Smith
Mrs Helen Goodman	Stephen McPartland	Karin Smyth
Robert Goodwill	Shabana Mahmood	Graham Stringer
Rt Hon Michael Gove	Stephen Metcalfe	Alison Thewiss
Patrick Grady	Rt Hon Ed Milliband	Ed Vaizey
Chris Green	Carol Monaghan	Ben Wallace
Stephen Hammond	David Morris	Matt Warman
Sue Hayman	David Mowat	Tom Watson
Kelvin Hopkins	Chi Onwurah	Hywel Williams
Bernard Jenkin	Sarah Newton	Dr Sarah Wollaston

Members of the European Parliament

Stuart Agnew Julie Girling
 Richard Ashworth Timothy Kirkhope
 Ashley Fox Ms Jean Lambert

Hereditary Peers

Earl of Cranbrook Lord Kirkwood
 Lord Hacking Lord Renwick
 Lord Ionside Viscount Weir

Honorary Members

The Committee may appoint honorary members who by virtue of their standing or their office may appropriately engage in the Committee's activities.

HRH The Duke of Edinburgh
 The President, The Royal Society
 The President, The Royal Academy of Engineering
 Government Chief Business and Science Adviser (Professor Sir Mark Walport FRS)
 Chief Scientific Adviser, Ministry of Defence
 Chief Scientific Adviser, Department for Environment, Food and Rural Affairs (Professor Ian Boyd FRSE)
 Chief Scientific Adviser, Department of Health (Professor Dame Sally Davies)
 Chief Scientific Adviser, Home Office
 Chief Scientific Adviser, Department for Transport (Professor Phil Blythe)
 Chief Scientific Adviser, Department for Communities and Local Government
 Chief Scientific Adviser, Foreign and Commonwealth Office (Professor Robin Grimes)
 Chief Scientific Adviser, Department for Business, Energy and Industrial Strategy (Professor John Loughhead OBE)
 Chief Scientific Adviser, Food Standards Agency, (Professor Guy Poppy)
 Chief Scientific Adviser, Met Office (Professor Dame Julia Slingo DBE)

Life Members

The Committee may also elect up to a maximum of twenty-five life members who, on retirement from Parliament or their institution, will qualify by having served the Committee either as officers or in some other capacity and given valuable service to it. It will be the responsibility of the Council to recommend such former members for this category.

Arthur Butler	Lord Jenkin of Roding	Richard Page
Tam Dalryell	<i>(deceased December 2016)</i>	Reg Sell
Dr Ian Gibson	Professor H Peter Jost	Lord Spicer of Croftthorne
Dr Brian Iddon	<i>(deceased June 2016)</i>	Ian Taylor
Dr Tom Inch	Andrew Miller	Dr Desmond Turner
	Dr Douglas Naysmith	Dr Peter Warren

Individual Members

The Committee may also elect individual members who, on retirement from Parliament or their institution, wish to remain actively engaged in the Committee's activities. Individual membership shall have a term of five years, which shall be renewable. It will be the responsibility of the Council to recommend individuals for this category.

Professor Derek Clements-Croome	Ian Morris	Dr Keith Winters
Sir Frederick Crawford	Professor Robert Pickard	Dr Richard Worswick
Dr John Dudeney	Professor Jane Plant	Dr Tony Whitehead
Professor Michael Elves	<i>(deceased March 2016)</i>	Dr Keith Winters
	Dr Tony Whitehead	Dr Richard Worswick

Scientific and Technical Organisations

An organisation or society shall be eligible for election to the Committee as a Scientific and Technical Organisation if the Council is satisfied that it is either:-

- (i) A National Institution or Association for qualifying scientists, engineers or technologists; or
- (ii) A Research Organisation which is not of a profit-making character, or part of an individual commercial or profit-making undertaking, and which is either directly engaged in natural or social science, pure or applied, or both providing funds for research to be conducted by other bodies and also taking a direct part in determination of the programmes of such research, or
- (iii) A body, the contribution of which to the scientific life of the country makes its membership, in the opinion of the Council, desirable in order to advance the agreed objects of the Committee.

In reaching a decision with regard to eligibility regard shall be had to the extent to which the branch of science, engineering or technology represented by the applicant organisation is already adequately represented on the Committee.

Note: No organisation which had been elected to membership by the Committee prior to January 1963, shall be rendered ineligible for membership under this sub-clause.

Scientific and Technical Organisations (continued)

ALRTO	Professor Richard Brook OBE FREng
APHA Animal and Plant Health Care Agency	Dr Alison Wilson
Association for Clinical Biochemistry and Laboratory Medicine	Joe O'Meara
Association of Consulting Scientists	The Chairman, Dr Chris Chatfield
Association of Management & Professional Staffs	Tony Harding, Marijke Smith
AVFE	Colin Danson
The Babraham Institute	Professor Michael Wakelam
Biochemical Society	Kate Baile
Biotechnology and Biological Sciences Research Council	Chief Executive
British Antarctic Survey	Professor Jane Francis
British Council	Dr Claire McNulty, Dr Yasemin Koc
British Ecological Society	Dr Dan Osborn, Ben Connor
British Fluid Power Association	Ian Morris CEng
British Geological Survey	Professor John Ludden
British and Irish Association of Zoos and Aquariums	Dr Kristen Pullen
The British Institute of Radiology	Ms Carole Cross
British Marine Technology Ltd	Peter French
British Measurement & Testing Assn	Peter Russell
British Nutrition Foundation	Professor Judy Buttiss
British Pharmacological Society	Katharine Richardson
British Society for Antimicrobial Chemotherapy	Mrs Tracey Guise
British Society of Soil Science	Dr Kathryn Allton, Ian Brown
British Trust for Ornithology	Dr Andy Clements
British Veterinary Association	Carl Padgett
CABI	Dr Richard Shaw
Camden BRI	Dr Steven Walker
Cavendish Laboratory	The Secretary
Chartered Institute of Ergonomics and Human Factors	David O'Neill, Steve Barradough
Chartered Institute of Patent Attorneys	Dr Julian M Potter, R P Jackson, T W Roberts
Chemning Technology Solutions Ltd	Pete Lockhart, Elaine Green
Clifton Scientific Trust Ltd	Dr Eric Albone
Comino Foundation	John Slater
The Daphne Jackson Trust	Dr Katie Perry, Tim Julier

6

Scientific and Technical Organisations (continued)

Dstl Defence Science and Technology Laboratory	Jonathan Lyle
East Midlands Engineering and Science Professionals	Ian Teecey
Economic and Social Research Council	Professor Jane Elliott, Mis Susie Watts
Energy Institute	Mrs Louise Kingham, Sarah Beacock
Engineering & Physical Sciences Research Council	Sarah Crew
Engineering Professors' Council	Johnny Rich, Dr Ines Direto
EngineeringUK	Paul Jackson
Fera Food and Environment Research Agency	Dr Philip Newton
Foundation for Science and Technology	Dr Dougal J Goodman
Foundation for Science, Technology and Civilization	Dr Anne-Maria Brennan
GAIN	Ms Caroline Morrice
GAMBICA Association	Dr Graeme Philp
The Genetics Society	Ms Dominique Kleyn
The Geological Society	Chief Executive
The Ground Forum	Ken Marsh
Hazards Forum	Brian Neale
Higher Education Funding Council for England	Professor Madeleine Atkins CBE
Institute of Acoustics	Allan Chesney
Institute of Biomedical Science	N S Kirk, Ms Jill Rodney
Institute of Corrosion	Dr Douglas Mills
Institute of Food Research	Andrew Chapple
Institute of Food Science and Technology	Jon Poole
The Institute of Marine Engineering, Science and Technology	Dr Bev Mackenzie
Institute of Materials, Minerals and Mining	Dr G J M Woodrow
Institute of Mathematics & Its Applications	David Youdan
Institute of Measurement and Control	David Kent, Peter Martindale
Institute of Materials Finishing	Ken Hoare, Dr Trevor Crichton
Institute of Physics	Professor Paul Hardaker, Alex Connor
Institute of Physics and Engineering in Medicine	Dr David Brettle, Dr Anna Barnes
Institution of Chemical Engineers	Dr David Brown, Andrew Furlong, Miles Seaman
Institution of Civil Engineers	Andrew Crudgington
Institution of Engineering Designers	Mrs Elizabeth Meyrick
Institution of Engineering and Technology	Ms Alison Carr, Paul Davies, Darren Gladwin, FL Pitt

7

Scientific and Technical Organisations (continued)

Institute of Innovation and Knowledge Exchange	Professor Sa'ad Medhat
Institution of Mechanical Engineers	Stephen Tettlow
John Innes Centre	Dr Dee Rawsthorne
Licensing Executives Society	R M C Nott, Ms Christi Mitchell
Linnean Society of London	Dr Elizabeth Rollinson
Lloyd's Register Foundation	Ms Eileen Kinghan
London Mathematical Society	Fiona Nixon, Dr John Johnston
Marine Biological Association	Professor Colin Brownlee, Dr Matthew Frost
Materials UK	Professor Colin Seabrook
Medical Research Council	Sophie Broster-James
Met Office	Professor Dame Julia Slingo
Nesta National Endowment for Science Technology and the Arts	Simon Morrison
National Oceanography Centre, Southampton	Professor Edward Hill
National Physical Laboratory	Dr Peter Thomson, Professor John Pethica
Natural Environment Research Council	Professor Duncan Wingham
Natural History Museum	Sir Michael Dixon
Nuffield Council on Bioethics	Hugh Whittall, Catherine Joyrnson
Operational Research Society	Gavin Blackett, Dr Roger Forder
The Physiological Society	Henry Lovett
Plymouth Marine Laboratory	Professor Stephen de Mora
Prospect	Sue Ferns
Public Health England	Professor Virginia Murray
Radioactive Waste Management	Bruce McKirdy, Professor Cherry Tweed
Rothamsted Research	Donna Lipsky
Royal Academy of Engineering	Philip Greenish, Dr A M Neville, Professor Michael Wood, Barry Haseltine, Dr William 'Stan' Jones, Junour Blake
Royal Aeronautical Society	Simon Whalley
Royal Astronomical Society	Pamela Mortimer, Professor Andy Fabian
Royal Botanic Gardens, Kew	Professor Kathy Willis, David Cope
Royal College of Physicians	Ms Louisa Wright
Royal College of Veterinary Surgeons	The President, Professor Sheila Crispin

8

Scientific and Technical Organisations (continued)

Royal Institute of Navigation	Peter Chapman-Andrews
The Royal Institution	Dr Gail Cardew
Royal Pharmaceutical Society	The President, Ms Jayne Lawrence
Royal Society	Dr Julie Maxton, Dr Stuart Taylor, Rebecca Purvis
The Royal Society of Biology	Dr Mark Downs, Dr Stephen Benn
The Royal Society of Chemistry	Dr Robert Parker
The Royal Society of Edinburgh	Sir John Arbuthnott, Dr William Duncan
Royal Statistical Society	Hetan Shah, Dr Christi Donnelly
SCI Society of Chemical Industry	Sharon Todd
The Science Council	Ms Diana Garham
Science & Technology Facilities Council Science Museum	Dr Brian Bowsher, Ms Natalie Bealing
Society for Applied Microbiology	Director Professor Mark Fielder, Dr Lucy Harper
Society for Endocrinology	Rachel Evans, Laura Udakis
Microbiology Society	Dr Peter Cotgreave, Darrel Burdass
Society for Underwater Technology	Peter Metcalf, Dr Bob Allwood
Society of Cosmetic Scientists	The President
Society of Dyers and Colourists	Dr Graham Clayton
Society of Operations Engineers	Chief Executive Christoph Wiesner, John Wintle
TWILtd	Professor Ian Haines
UK Deans of Science	Ms Wendy Jarrett
Understanding Animal Research	Dr Robert Hubrecht
Universities Federation for Animal Welfare	Head of Policy
The Wellcome Trust	Wing Commander Tony Willenbruch
The Worshipful Company of Engineers	

Commercial Members

The Council may also elect to the Committee up to a maximum of 100 Commercial Members, such maximum being subject to modification at any subsequent Annual General Meeting. Such members shall be Companies registered in the UK or UK nationalised Undertakings or organisations representing a sector of industry. In electing a Commercial Member, the Council shall have regard to the desirability of ensuring that the membership as a whole is representative of as wide a range as possible of activities involving Science, Engineering and Technology. In reaching a decision as to eligibility regard shall be had to the extent to which the applicant is engaged in scientific, engineering or technological research.

9

Commercial Members (continued)

Abbeywet Export LLP	Dr Iain Mackellar
ABPI	Tracey Robins
AGC Chemicals Europe Ltd	Tony E Wade
Association of the British Pharmaceutical Industry	Ms Sarah Jones
Association of Marine Scientific Industries	Richard Burt
Astrazeneca PLC	David Boyd
Azotic Technologies Ltd	Professor David Dent
BASF Plc	Dr Geoff Mackey, Andrew Mayer
British In Vitro Diagnostics Association	Ms Doris-Ann Williams
Chemical Industries Association	Simon Marsh
R S Clare & Co Ltd	Mr Roy Coldwell, Ian Meadows
The Cosmetic, Toiletry and Perfumery Association Ltd	Dr Christopher Flower, Dr Emma Meredith
Cuadrilla Resources Ltd	Matt Lambert, Alison Holden
Energy Technologies Institute	Dr David Clarke
First Group PLC	Mac Andrade
Geomatrix Earth Science Ltd	Tom Nicols
Glass and Glazing Federation	Brian Baker
Johnson Matthey Plc	Ms Sally Jones, Ms Ellie Davison
LGC Ltd	Dr Derek Craston
L'Oreal UK and Ireland	Steve Shiel
OptiRisk Systems	Professor Gautram Mitra
Pfizer Limited	Dr Deyn Smith, Alan Maine, Dr Adam Heathfield
PHARMAQ Ltd	Dr Benjamin P North
PraxisUnico	Tasmin Mann
Principle Healthcare International	Miss Clare Campbell
Risk Solutions	Dr Helen Wilkinson
Rolls-Royce	Helen Kennett
R S Clare & Co Ltd	Roy Coldwell, Ian Meadows
Siemens Plc	Professor Paul Beasley
Society of Maritime Industries	Paul Ridout, John Murray
Trident Sensors Ltd	Dr W R Simpson
Varley Engineering Limited	David Slater
Vitabiotics Limited	Robert Taylor
Yakult UK Ltd	Science Director, Louise Rayne Wilson
Zapocharger Ltd	Dt Jonathan Tuck, Stephen Voller

10

University Members

Universities of the UK, institutions in Scotland and Northern Ireland equivalent to schools and colleges of individual universities where appropriate shall be eligible for election by the Council. In reaching a decision as to eligibility regard shall be had to the extent to which the applicant is engaged in scientific, engineering or technological research.

Anglia Ruskin University	Professor Iain Martin,
University of Bath	Professor Eamon Strain
University of Bedfordshire	Professor Dame Glynis Breakwell,
University of Birmingham	Professor Fred Eastham
University of Bolton	Professor Jan Domin
Bournemouth University	Professor A Schofield
University of Bristol	Professor Myra Nimmo
Brunel University	Professor John Vinney
City University London	Professor High Brady
Cranfield University	Professor Julia Buckingham
University of Derby	Professor Paul Curran
University of Dundee	Professor Simon Jones
University of Durham	Professor Margaret Bruce
University of East Anglia	Rachel Smith
University of Edinburgh	Neil Heckels
University of Essex	Professor Phil Gilhartin
University of Exeter	Professor Sir Timothy O'Shea
University of Greenwich	Dr Robert Singh
Harper Adams University College	Professor Sir Steve Smith
University of Hertfordshire	Professor Liz Bacon
University of Huddersfield	Dr David Llewellyn
University of Hull	Professor Quintin McKellar
Imperial College London	Dr Tracy Turner
Keele University	Professor Amar Ramudhin
Kings College London	John Neilson
University of Leicester	Professor Jonathan Westling
University of Liverpool	Chris Mottershead,
London School of Hygiene and Tropical Medicine	Dr SarahMarkham, Dr Richard Slow
London South Bank University	Professor Paul Boyle
University of Loughborough	Professor Janet Beer
	Professor Baron Peter Piot
	Professor Rao Bhamidimarri
	Professor Chris Linton

11

University Members (continued)

University of Manchester	Dr John Roberts
Newcastle University	Professor Nick Wright
State University of New York	Professor Alexander Ohlv
University of Northampton	Professor Nick Petford
University of Nottingham	Professor David Greenaway
The Open University	Pro-Vice-Chancellor (Research and Enterprise)
University of Portsmouth (from 2017)	Dr Guy Hembury
Queen Mary, University of London	Professor Sir Colin Berry
University of Reading	Sir David Bell
Royal Holloway, University of London	Professor Paul Hogg
University of Salford	Professor Nigel Mellors
University of Southampton	Gavin Costigan
University of Strathclyde	Professor Sir Jim McDonald
University of Surrey	Professor Michael Kearney
University College London	Professor Michael Arthur,
	Professor Francesca Medda,
Warwick University	Professor Tim Jones
University of Wolverhampton	Professor Geoff Layer,
	Professor Nduka Ekere,
	Professor Derek Walton

Associate Members

The Council may elect to the Committee as Associate Members Bodies which, although not engaged in scientific research, represent the interests of those who are significantly affected by science and which, in the opinion of the Council, are in a position to contribute positively to the work of the Committee.

Penningtons Manches LLP	Christopher Shelley
Rainbow Seed Fund	Dr Andrew Muir

Annual General Meeting

The AGM was held **Monday 10th October 2016** at 4.30 pm in Committee Room 6, House of Commons.

Election of Officers, Vice-Presidents and Advisory Panel for 2016

The Chairman advised that Tom Blenkinsop MP wished to stand down from his position of Deputy Chairman.

The Committee thanked Tom for his service to the Parliamentary and Scientific Committee.

The Chairman advised that all the remaining office-holders were willing to be re-elected:

Chairman:	Mr Stephen Metcalfe MP
Hon Treasurer:	The Lord Willis of Knarborough
Hon Secretary:	Carol Monaghan MP
President	Lord Oxburgh
Vice-Presidents:	Mr Paul Ridout
	Mr Philip Greenish CBE
	Dr Stephen Benn
	Mr Atti Emezc
	Professor Ian Haines
	Dr Guy Hembury
	Professor Colin Seabrook MBE
	Doris-Ann Williams
	Professor Francesca Medda

Advisory Panel:

Mr David Youdan
Dr David Dent
Rebecca Purvis

Lord Fox proposed that the above Officers should be re-elected, this was seconded by Lord Stoddart of Swindon and agreed nem-con.

Election of Life Members

No nominations were received

To Receive the Annual Report for 2015

The Annual Report for 2015 was posted to all members.

The Report included a Foreword by the President and a report on the programme by the Chairman, membership lists, minutes of the previous AGM, and details of meetings held in 2015.

During the year meetings were held on the Future of Life Sciences in the UK; A Science Legacy for the new Parliament; The Future of Road Transport; Nanotechnology, Patient Safety, Soils and Drones.

The British Science Week Seminar looked at Light and the annual SET for BRITAIN poster exhibition and competition for early-stage researchers, also held in Parliament during Science Week, was very well attended. From 2017 this will be re-named STEMI for Britain

to include the Mathematical Sciences.

The P&SC Annual Lunch was held in November, the Guest of honour was Sir Paul Nurse. The Chairman proposed that the Annual Report should be accepted and this was agreed nem-con.

To Receive the Financial Statement for 2015 Estimates for Income and Expenditure for 2016

The 2015 Financial Statement and 2016 Estimates for Income and Expenditure had been e-mailed to all members.

The Financial Statement for 2015 showed a surplus for the year of £9,347.

The Chairman proposed that the Financial Statement for 2015 be accepted, this was seconded by Lord Fox and agreed.

The Estimates for Income and Expenditure for 2016 had been approved by the Council. A surplus for the year of £3,100 was anticipated.

The Chair proposed that the Budget for 2016 be accepted, this was seconded by David Youdan and agreed nem-con.

Subscription Rates for 2017

As a small financial surplus is anticipated for 2017, it was therefore, proposed that there should be no increase in subscriptions for 2017.

The proposed Subscription Rates for 2017 are set out below. They have been at this rate since January 2012:

Scientific and Technical Organisations	£325	
Industrial members :	Organisations with fewer than 10 employees (except Trade Associations)	£300
	Organisations with 11-500 employees (including Trade Associations with small secretariats)	£600
	Organisations with more than 500 employees	£1,000
University members	£325	
Associate members	£325	

It was agreed, nem-con, that there should be no increase in Subscription rates for 2017.

The Chairman asked that the Committee's thanks to Professor Alan Malcolm and Karen Smith be recorded.

Report from the Council

A written report from the Council had been circulated in advance of the meeting.

Written Report from Council

Membership :

The Council were delighted to welcome the following new members in 2015:

- Scientific and Technical Organisations (3)
- East Midlands Engineering and Science Professionals
- Radioactive Waste Management Ltd
- Animal and Plant Health Agency (APHA)

Commercial Members (6)

Astrazeneca PLC

Cuadrilla Resources Ltd

Novartis Vaccines

Oxitec Ltd

Zappocharter Ltd

PraxisUnico.

Universities (2)

University of Essex

University of Durham

During 2016 we have welcomed University of Bedford and the Daphne Jackson Trust.

Unfortunately during 2015, nine members decided not to renew their membership, (3 Scientific and Technical Organisations and 6 Commercial Members).

It is the Council's aim to continue to increase the Committee's membership and we would welcome assistance in this objective from existing members; please contact the secretariat with any suggestions for potential member companies and organisations.

Programme

Due to the increasing shortage of available meeting rooms in the Palace of Westminster, we are experimenting with holding the evening discussion meetings on a Monday.

The Committee's future programme of meetings would include:

Monday 14th November

This will be on the topic of 'Banking fraud in a technologically-enabled world' and will be hosted jointly with the Royal Academy of Engineering.

Wednesday 23rd November

Annual Lunch

Guest of Honour: Ruth McKernan CBE, Chief Executive Innovate UK

Science in Parliament

The latest edition of Science in Parliament was published at the beginning of July. The next issue will be published at the end of October.

The Editorial board is very grateful to all those who support Science in Parliament by sponsoring covers and taking entries in the Directory – and to those who contribute articles and write up their talks for publication. Any member organisation which might be interested in celebrating a significant anniversary or a particular achievement by taking a cover in a future issue of the journal should get in touch with the secretariat.

There is also the possibility for member organisations of publishing Science in Parliament on their websites for their members at an annual fee of £50. Please contact the secretariat for further information.

SET for Britain /STEM for Britain

SET for Britain, the annual poster competition and exhibition for early-stage researchers was held in the Attlee Suite, Portcullis House on Monday 7th March 2016.

During the day 87 Parliamentarians from both Houses of Parliament visited the Attlee Suite to view the posters (210 in all) and to meet their local early-career researchers. The competition was divided into three separate sessions: Physical Sciences (Chemistry and Physics); Engineering and Mathematical Sciences and Biological and Biomedical Sciences

Judging panels for each category were formed of distinguished scientists and engineers from the Society of Biology, The Physiological Society, the Royal Society of Chemistry, the Royal Academy of Engineering, the Council for the Mathematical Sciences and the Institute of Physics.

From 2017, SET for Britain will be re-named STEM for Britain to include the Mathematical Sciences

The Chairman advised that the Committee had been saddened by the deaths of two loyal supporters of the P&SSC. **Peter Jost CBE** died on 7th June, aged 95. He had held many posts in the Committee over several decades. **Annabel Lloyd** passed away on Tuesday 14th June after many months of ill health. Annabel had worked for the Committee for nearly 25 years having given an outstanding level of service and dedication to the organisation.

It was noted that the Financial Surplus that had been achieved for the past few years was attributable to Annabel's efficiency in managing the P&SSC Budget.

The Chairman asked that the Committee's thanks to Annabel be recorded, and also to Peter Jost who had been a loyal and supportive Member of the P&SSC.

Alan advised that the Breakfast Meeting held in December 2015 to discuss Drones, although expensive to host, had been a good meeting and well attended and it was proposed to repeat this for 2017.

The Discussion with George Freeman MP on "The implications of Brexit for UK science+innovation", held on 6th September 2016 had also been very well attended. Notes of the Discussion will be made available on the P&SSC web-site.

Professor Ian Haines drew Members attention to the House of Lords Science and Technology Committee enquiry into the relationship between EU membership and the effectiveness of science, research and innovation in the UK.

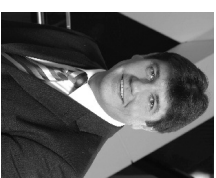
There had been a good response to the Invitation to the P&SSC Annual Lunch on 23rd November 2016, all the places had been filled and there was a waiting-list.

Dr Eric Albone asked what was the impact of the Parliamentary and Scientific Committee on Government policies?

The Chairman advised that this was difficult to quantify, and whilst the Parliamentary and Scientific Committee does not have the same standing as the Science and Technology Select Committee, it does have the advantage of providing a forum for Parliamentarians, the Scientific Community, Academia and Industry.

John Lowe suggested that the information about the Parliamentary and Scientific Committee on the web-site could include more detail about the background of the P&SSC; the Associate Parliamentary Engineering Group had been amalgamated with the Parliamentary and Scientific Committee c. 2008.

The Annual General Meeting closed at 4.52 pm



Annual Report from the Chairman for 2016

Stephen Metcalfe MP

I greatly enjoyed my time on the Select Committee for Science and Technology during the last Parliament. I was therefore particularly pleased to be invited to succeed Andrew Miller as the Chairman of the P&SSC. It has already proved richly rewarding.

My long interest in technology of all sorts has found much to enjoy in our regular Discussion meetings.

As the President mentioned, we have been pleased to welcome one of the new SNP

text to come from Alan

unsundered a copy to all our members of the new Parliament.

We held our Discussion on "Drones, and How to Control Them" at breakfast time in case this is more convenient since the House is not sitting at that time.

We will continue to use different timings and formats.

Our finances continue to provide stability, and for the fourth year running we were able to avoid any increase in our subscription rates.

SET for Britain continues to inspire all who witness it, and this includes nearly one

hundred of both Houses.

Mathematics is now firmly established as a component.

It will behave as an organisation such as this to seem smug, but I would be doing our Programme Committee a disservice if I did not mention the number of topics discussed at our Meetings or appearing as articles in Science in Parliament which recur either in the media or as fodder for a Select Committee. Antibiotic Resistance, Drones, Traffic in Cities, and Energy Storage all come to mind.

I am writing this four weeks before a particularly divisive Referendum.

We can take comfort in the number of International scientific collaborations in which the UK participates and where our scientists will continue to work irrespective of the outcome on 23rd June.

Finally at the risk of seeming smug again. We all get tired of league tables (except the football ones), but if we have to have them it is good when the UK does well. Our Universities, and science in particular, continue to provide satisfaction. Long may it continue.



Addresses and Discussions 2016

See www.scienceinparliament.org.uk for further information

"Is Flood Management an Oxymoron?"

Tuesday 19th January 2016

Professor Dame Julia Slingo, Met Office Chief Scientist; Professor Paul Bates, Professor of Hydrology and Head of School of Geographical Sciences, University of Bristol; Professor David Balmforth, Flood Expert and Past President, Institution of Civil Engineers

"How safe is Pathogen Research?"

Tuesday 23rd February 2016

Professor Finbarr Cotter, Chair Research Committee, Royal College of Pathologists
Professor Bryan Charleston, Director Pirbright Institute; Professor John McCarthy,
University of Warwick

STEM for Britain Poster Exhibition and Competition

Monday 7th March 2016

STEM for Britain continues to be the largest event of its kind anywhere. 2016 saw a record number of entrants and 120 Contestants were shortlisted to display their posters in the Atlee Suite in Portcullis House.

The event was hosted by Stephen Metcalfe MP, Chairman of the Parliamentary and Scientific Committee and was well attended by members from both Houses.

The day was divided into three separate exhibitions, providing early-stage researchers with an opportunity to show to Parliamentarians the first-class research being undertaken in British universities and research institutions. The three exhibitions included posters on Physics and Chemistry, Engineering and Mathematical Sciences, Biological and Biomedical Sciences. Medals and cash prizes were awarded in each discipline

More information can be found at www.setforbritain.org.uk

Thursday 10th March 2016

"What are we doing about Zika?" - NATIONAL SCIENCE WEEK SEMINAR

Professor Jimmy Whitworth, LSHTM; Professor James Logan, LSHTM

Professor Trudie Lang, University of Oxford; Notes from the seminar can be found at www.scienceinparliament.org.uk

"Science and Security"

Tuesday 19th April 2016

Professor Anthony Finkelstein, Alan Turing Institute; Dr Richard Pinch, GCHQ

Professor Jamie Macintosh, UCL

"Is Our Air Fit to Breathe?"

Tuesday 24th May 2016

Professor Frank Kelly, KCL; Dr Ruth Calderwood, City of London Corporation; Dr Ian Mudway, KCL; Professor Terry Tetley, NHLI

"Is the Haldane Principle Still Fit for Purpose?" Monday 27th June 2016

Professor Tom Rodden, Deputy CEO, ESPRC; Professor David Edgerton, Hans Rausing Professor of the History of Science and Technology and Professor of Modern British History, Kings College London

"What are we going to do about plastics?" Monday 18th July 2016

Kim Christensen, Regional Director North, PlasticsEurope UK; Dr Pennie Lindeque, Plymouth Marine Laboratory

Tuesday 6th September 2016

"Brexit: What are the risks and opportunities for UK Science?"

George Freeman MP gave a presentation and answered questions. Further details can be found at www.scienceinparliament.org.uk

Monday 10th October 2016

"Radiotherapy: Cancer treatment of the past or future?"

(This was hosted jointly with the British Institute of Radiology)

Dr Alexandra Stewart, Consultant Clinical Oncologist, Royal Surrey Hospital
Professor Andy Beavis, Head of Radiation Physics, Hull and East Yorkshire Hospitals
Charlotte Beardmore, Director of Professional Policy, Society and College of Radiographers
Mark Davies, a patient

Monday 14th November 2016

"Will new methods of power generation keep the lights on?"

Professor Jim Watson, Research Director, Science and Policy Research Unit, University of Sussex; Reza Shaybani, Chairman, British Photovoltaic Association; Paul Soskin, Project Director, Tidal Today

Annual Lunch Wednesday 23rd November 2016

Guest Speaker: Ruth McKernan CBE, Chief Executive Innovate UK

"Science and Warfare?" Monday 12th December 2016

Dr Neil Gaspar, AWE; Dr Spyros Masouras, Department of Bioengineering, Imperial College; Dr Martin Pearce, Defence Science and Technology Laboratory, Porton Down