



Parliamentary and Scientific Committee

An All-Party Parliamentary Group



Annual Report 2017

The Parliamentary and Scientific Committee

An All-Party Parliamentary Group

Office-holders 2017

President

The Lord Oxburgh KBE FRS

Chairman

Mr Stephen Metcalfe MP

Deputy Chairman

Ms Chi Onwurah MP

Past Presidents

The Rt Hon the Lord Jenkin of Roding

The Lord Soulsby of Swaffham Prior

The Rt Hon the Lord Waldegrave of North Hill

The Earl of Selborne KBE FRS

HRH The Duke of Edinburgh KG KT FRS

Vice-Presidents

Mr Paul Ridout

Mr Philip Greenish CBE

Dr Stephen Benn

Mr Atti Emecz

Professor Ian Haines

Dr Guy Hembury

Professor Colin Seabrook MBE

Ms Doris-Ann Williams MBE

Professor Francesca Medda

Hon Treasurer

Lord Willis of Knaresborough

Hon Secretary

Ms Carol Monaghan MP

Advisory Panel

Mr David Youdan

Dr David Dent

Ms Rebecca Purvis

Secretariat

Dr Isabel Spence (*Dr William Duncan from May 2018*)

Mrs Karen Smith

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Council

At the end of 2017 the following were members of the Council:

Dr Stephen Benn

Professor David Dent

Mr Atti Emecz

Mr Philip Greenish

Professor Ian Haines

Dr Guy Hembury

The Baroness Hilton of
Eggardon

Dr T D Inch OBE

Mr Paul Jackson

Professor Francesca Medda

Mr Stephen Metcalfe MP

Ms Carol Monaghan MP

Dr Douglas Naysmith

Ms Chi Onwurah MP

The Lord Oxburgh

Ms Rebecca Purvis

Mr Paul Ridout

Professor Colin Seabrook
MBE

The Earl of Selborne

Mr R G Sell

Mr Ian Taylor MBE

Dr Stuart Taylor

Dr Desmond Turner

Ms Doris-Ann Williams MBE

Lord Willis of Knaresborough

Dr Richard Worswick

Mr David Youdan



Foreword

by Dr Stephen Benn Vice-President

I am writing this on behalf of our President, Lord Oxburgh, who is recovering from a major illness. We all wish him a very speedy recovery and look forward to welcoming him back.

2017 has been another eventful year for the Parliamentary and Scientific Committee which has involved a number of changes and the reconstitution of the P&SC in the new Parliament elected in June.

It was with great regret that we said Goodbye to Professor Alan Malcolm who retired from his post as Executive Secretary last Summer.

Under Alan's guiding hand over many years the P&SC took on many challenging debates. Over the past year they included successful meetings on Drones, GM crops, air pollution, antibiotic resistant infections and the damage plastic is doing to our marine environments - to name but a few.

Carol Monaghan MP, our Hon. Secretary, has now taken on the Chairship of our Programme Committee. We want our tradition of cutting edge debates to continue over the course of the years to come.

We welcomed Isabel Spence to the P&SC Team in June last year. Her expertise and enthusiasm revitalised the Committee's work and set us on a firm path for the future. I want to pay a tribute to all she has done. Our only sadness is that Isabel's stay with us has been so short. Family commitments have meant that Isabel decided to step down from her role as Executive Secretary at the end of May 2018.

We are fortunate that Dr William Duncan has stepped in as Interim Director. He has had a very distinguished career culminating as the Chief Executive of the Royal Society of Edinburgh for many years.

Our Annual Lunch in November was held in the House and was a very enjoyable celebration. We were delighted to have two Guest Speakers for the first time: Lisa Anson, President Astra Zeneca UK and President ABPI, as well as Sinead Lynch, Chair UK Shell.

STEM for Britain in March was again a very successful event which brought early career scientists and engineers to the House to present their work. The quality was outstanding and it was very well attended by the many Parliamentarians who came to see their own constituents among the 240 finalists exhibiting posters about their work. STEM for BRITAIN continues to be the largest such presentation of scientific work in any Legislature worldwide.

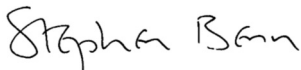
Finally we said another sad Goodbye – this time to Julie Spencer who for many years co-ordinated the STEM for Britain competition. The P&SC is hugely indebted to her for making the event such a success. We hope it is *Au Revoir* rather than farewell for the STEM Organising Committee will always be very grateful for Julie's advice and support.

After a year of change we are looking forward to a period of stability and expansion under the Chairship of Stephen Metcalfe MP who ably continues vigorously to advance the cause of science and technology.

The P&SC continues to provide Parliament with an invaluable bridge to the science and engineering community and an equally invaluable opportunity for that community to interact with Parliament. Whatever happens over the coming year we are going to need this bridge more than ever.

I hope you will look forward to the forthcoming year with interest and enthusiasm and I hope to see many of you at our meetings and events.

With Best Wishes

A handwritten signature in black ink that reads "Stephen Benn". The script is cursive and fluid, with the first letters of the first and last names being capitalized and prominent.

Stephen Benn

Membership 2017

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	Lord Hunt of Wirral	The Earl of Selborne
Lord Armstrong of Ilminster	Lord Jopling	Viscount Simon
Lord Boswell of Aynho	Baroness Jones of Whitchurch	Viscount Slim
Lord Broers	Lord Judd	Lord Spicer
Lord Clement-Jones	Lord Kakkar	Lord Stevenson of Coddendam
Lord Craig of Radley	Lord Krebs	Lord Stoddart of Swindon
Lord Davies of Coity	Lord MacKenzie of Culkein	Lord Stone of Blackheath
Lord Deben	Lord McColl of Dulwich	Lord Sutherland of Houndwood
Lord Fox	The Countess of Mar	Lord Taverne
Lord Framlingham	Baroness Masham of Ilton	Lord Tebbit
Baroness Gibson of Market Rasen	Lord May of Oxford	Baroness Thornton
Baroness Gould of Potternewton	Baroness Neville-Rolfe	Lord Trees
Baroness Greenfield	Baroness Nicholson of Winterbourne	Lord Trefgarne
Baroness Hamwee	Baroness Northover	Lord Turnberg
Lord Haskel	Lord O'Neil of Clackmannan	Baroness Turner of Camden
Lord Hennessy of Nympsfield	Lord Oxburgh	Lord Vinson
Baroness Hilton of Eggardon	Lord Patel	Lord Waldegrave of North Hill
Baroness Howe of Idlicote	Lord Patten	Baroness Walmsley
Lord Howie of Troon	Lord Rea	Baroness Warwick of Undercliffe
Lord Hoyle	Lord Rees of Ludlow	Lord Willis of Knaresborough
Lord Hunt of Chesterton	Lord Ribeiro	Lord Winston
	Viscount Ridley	
	Lord Rooker	
	Lord Sainsbury of Turville	

House of Commons

Adam Afriyie	Oliver Colvile	Jim Down
Ian Austin	Ronnie Cowan	Nigel Evans
Bob Blackman	Alex Cunningham	Robert Ffello
Tom Blenkinsop	Nic Dakin	Rt Hon Caroline Flint
Victoria Borwick	Chris Davies	Paul Flynn
Sir Peter Bottomley	David Davies	George Freeman
Andrew Bridgen	The Rt Hon David Davis	Mark Garnier
Jo Churchill	Martyn Day	Rt Hon Cheryl Gillan
Dr Therese Coffey	Thangam Debbonaire	Mrs Helen Goodman
	Caroline Dinenage	Robert Goodwill

Rt Hon Michael Gove
Patrick Grady
Chris Green
Stephen Hammond
Sue Hayman
Kelvin Hopkins
Bernard Jenkin
Gareth Johnson
David Jones
Phillip Lee
Chris Lewis
Kerry McCarthy

Stephen McPartland
Shabana Mahmood
Stephen Metcalfe
Rt Hon Ed Miliband
Carol Monaghan
David Morris
David Mowat
Chi Onwurah
Sarah Newton
Chris Philip
Jonathan Reynolds
Alok Sharma

Alec Shelbrooke
Jeff Smith
Karin Smyth
Graham Stringer
Alison Thewliss
Stephen Timms
Ed Vaizey
Ben Wallace
Matt Warman
Tom Watson
Hywel Williams
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 Monkswell
Lord Ironside	Lord Renwick
	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 Scientific Adviser (Dr Patrick Vallance)
Chief Scientific Adviser, Ministry of Defence (Professor Hugh Durrant-Whyte)
Chief Scientific Adviser, Department for Environment, Food and Rural Affairs
(Professor Ian Boyd FRSE)
Chief Scientific Adviser, Department of Health (Professor Chris Whitty)
Chief Scientific Adviser, Home Office (Professor John Aston)
Chief Scientific Adviser, Department for Transport (Professor Phil Blythe)
Chief Scientific Adviser, Department for Communities and Local Government
(Stephen Aldridge CB)
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 Stephen Belcher)

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	Professor Alan Malcolm	Lord Spicer of Crothorne
Tam Dalyell	Andrew Miller	Ian Taylor MBE
Dr Ian Gibson	Dr Douglas Naysmith	Dr Desmond Turner
Dr Brian Iddon	Richard Page	Dr Peter Warren CBE
Dr Tom Inch OBE	Reg Sell	

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	Philip Greenish CBE	Dr Tony Whitehead
Sir Frederick Crawford	Professor Michael Elves	Dr Keith Winters
Dr John Dudeney OBE	Ian Morris	Dr Richard Worswick
	Professor Robert Pickard	

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)

AIRTO	Professor Richard Brook OBE FREng
Association of Consulting Scientists	The Chairman, Dr Chris Chatfield, Stuart Guy
Association of Management & Professional Staffs	Tony Harding, Marijke Smith
AWE	Colin Danson
The Babraham Institute	Professor Michael Wakelam
Biochemical Society	Kate Baille
Biotechnology and Biological Sciences Research Council	Chief Executive
British Antarctic Survey	Professor Jane Francis
British Council	Daniel Korbel, Shaun Holmes
British Ecological Society	Mrs Camilla Morrison-Bell, Dr Dan Osborn
British Geological Survey	Professor John Ludden
British and Irish Association of Zoos and Aquariums	Dr Kirsten Pullen
The British Institute of Radiology	Ms Carole Cross
British Maritime Technology Ltd	Ms Sarah Kenny
British Measurement & Testing Assn	Greg Ward
British Nutrition Foundation	Professor Judy Buttriss
British Pharmacological Society	Anna Zecharia, Teesha Bhuruth
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
Campden BRI	Dr Steven Walker
Cavendish Laboratory	The Secretary
Chartered Institute of Ergonomics and Human Factors	David O'Neill , Steve Barraclough
Chartered Institute of Patent Attorneys	Dr Julian M Potter, R P Jackson, T W Roberts, Lee Davies
Chemring Technology Solutions Ltd	Pete Lockhart
Clifton Scientific Trust Ltd	Dr Eric Albone
Comino Foundation	John Slater
The Daphne Jackson Trust	Dr Katie Perry, Tim Julier
Dstl Defence Science and Technology Laboratory	Jonathan Lyle, Jane Tyler

Scientific and Technical Organisations (continued)

East Midlands Engineering and Science Professionals	Ian Treacey
Economic and Social Research Council	Tony McEnert, Ms Susie Watts
Energy Institute	Mrs Louise Kingham, Sarah Beacock
Engineering & Physical Sciences Research Council	Sarah Crew
Engineering Professors' Council	Johnny Rich, Dr Ines Direito
EngineeringUK	Mark Titterington
Fera Food and Environment Research Agency	Director of Science
Foundation for Science and Technology	Dr Dougal J Goodman
Foundation for Science, Technology and Civilization	
GAIN	Dr Anne-Maria Brennan
GAMBICA Association	Ms Caroline Morrice
The Genetics Society	Steve Bramley
The Geological Society	Ms Dominique Kleyn
The Ground Forum	Richard Hughes
Hazards Forum	Ken Marsh
Higher Education Funding Council for England	John Steed
Institute of Acoustics	Professor Madeleine Atkins CBE
Institute of Biomedical Science	Allan Chesney
Institute of Corrosion	Ms Jill Rodney, David Wells
Institute of Food Science and Technology	Dr Douglas Mills
The Institute of Marine Engineering, Science and Technology	Jon Poole
Institute of Materials, Minerals and Mining	
Institute of Mathematics & Its Applications	Dr Bev MacKenzie
Institute of Measurement and Control	Hilda Kaune
Institute of Materials Finishing	David Youdan
Institute of Physics	David Kent, Peter Martindale
ConnorInstitute of Physics and Engineering in Medicine	Ken Hoare, Dr Trevor Crichton
	Professor Paul Hardaker, Alex
Institution of Chemical Engineers	
	Dr David Brettle, Fiona Wall, Ms Rosemary Cook CBE
	Jon Pritchard CEO, Andrew Furlong, Miles Seaman
Institution of Civil Engineers	Tim Boyd, Andrew Crudgington
Institution of Engineering and Technology	Ms Alison Carr, Paul Davies, FL Pitt
Institute of Innovation and Knowledge Exchange	Professor Sa'ad Medhat
Institution of Mechanical Engineers	Stephen Tetlow

Scientific and Technical Organisations (continued)

John Innes Centre	James Piercy
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	Professor E Brian Davies, Fiona Nixon, Dr John Johnston
Marine Biological Association	Professor Colin Brownlee, Dr Matthew Frost
Materials UK	Professor Colin Seabrook
Medical Research Council	Pauline Mullin, Frances Rawle, Darren O'Keefe
Met Office	Professor Stephen Belcher, Kirsty McBeath
Microbiology Society	Dr Peter Cotgreave, Dr Paul Richards
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, John Jackson
Nuffield Council on Bioethics	Hugh Whittall, Catherine Joynson
The Nutritional Society	Mark Hollingsworth
Operational Research Society	Gavin Blackett, Dr Roger Forder
The Physiological Society	Daniel Burdass, Henry Lovett
Plymouth Marine Laboratory	Professor Stephen de Mora
Prospect	Sue Ferns
Public Health England	Professor Virginia Murray
Quadram Institute Bioscience	Andrew Chapple
Radioactive Waste Management	Bruce McKirdy, Professor Cherry Tweed
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	Professor Andy Fabian, Robert Massey
Royal Botanic Gardens, Kew	Professor Kathy Willis, David Cope

Scientific and Technical Organisations (continued)

Royal College of Pathologists	Professor Jo Martin, Janine Aldridge, Diane Gaston
Royal College of Physicians	Adam Reid
Royal College of Veterinary Surgeons	The President, Professor Sheila Crispin
Royal Institute of Navigation	The Director
The Royal Institution	Professor Sarah Harper, Professor 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, Leigh Jeffes
The Royal Society of Edinburgh	Sir John Arbuthnott, Gordon Adam
Royal Statistical Society	Hetan Shah, Dr Christl Donnelly
SCI Society of Chemical Industry	Sharon Todd
The Science Council	Ms Diana Garnham
Science & Technology Facilities Council	Ms Natalie Bealing
Science Museum	The Director, Dr Oliver Carpenter
Society for Applied Microbiology	Professor Mark Fielder, Dr Lucy Harper
Society for Endocrinology	Rachel Evans, Laura Udakis
Society for Underwater Technology	Ralph Rayner, Peter Metcalf
Society of Cosmetic Scientists	The President
Society of Dyers and Colourists	Dr Graham Clayton
Society of Operations Engineers	Chief Executive
TWI Ltd	Christoph Wiesner, John Wintle
UK Deans of Science	Professor Ian Haines
Understanding Animal Research	Ms Wendy Jarrett
Universities Federation for Animal Welfare	Dr Robert Hubrecht
The Wellcome Trust	Head of Policy
The Worshipful Company of Engineers	Colonel D J L Swann CBE

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

Commercial Members (continued)

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.

Abbeyvet Export LLP	Dr Iain MacKellar
ABPI - Association of the British Pharmaceutical Industry	Tracey Robins, Ali Hansford, Elliott Dunster
AGC Chemicals Europe Ltd	Tony E Wade
Association of Marine Scientific Industries	Richard Burt
AstraZeneca PLC	David Boyd
Azotic Technologies Ltd	Professor David Dent
British In Vitro Diagnostics Association	Ms Doris-Ann Williams MBE
Chemical Industries Association	Simon Marsh
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
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
Oxitec	Hadyn Parry
Pfizer Limited	Dr Devyn Smith, Alan Maine, Dr Adam Heathfield
PHARMAQ Ltd	Dr Benjamin P North
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

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, Professor Eamon Strain
University of Bath	Professor Dame Glynis Breakwell, Professor Fred Eastham
University of Bedfordshire	Professor Jan Domin
University of Birmingham	Professor A Schofield, Professor Myra Nimmo
University of Bolton	Professor Patrick Mc Ghee, Professor Kondal Reddy Kandadi
Bournemouth University	Professor John Vinney
University of Brighton	Professor Irene Green
University of Bristol	Professor High Brady
Brunel University	Professor Dame Julia Buckingham
City University London	Professor Sir Paul Curran
Cranfield University	Professor Simon Jones
University of Derby	Professor Kathryn Mitchell
University of Dundee	Rachel Smith
University of Durham	Neil Heckels
University of East Anglia	Professor Phil Gilmartin
University of Edinburgh	Professor Sir Timothy O'Shea
University of Essex	Dr Robert Singh
University of Exeter	Professor Sir Steve Smith
University of Greenwich	Pofessor Liz Bacon
Harper Adams University College	Dr David Llewellyn
University of Huddersfield	Dr Tracy Turner
University of Hull	Professor Amar Ramudhin
Imperial College London	John Neilson
Keele University	Professor Jonathan Westling
Kings College London	Chris Mottershead, Dr Sarah Markham, Dr Richard Siow

University Members (continued)

University of Leicester
London School of Hygiene and Tropical Medicine
London South Bank University
University of Loughborough
University of Manchester
Newcastle University
State University of New York
University of Northampton
University of Nottingham
The Open University

University of Portsmouth (*from 2017*)
Queen Mary, University of London
University of Reading
Royal Holloway, University of London
University of Salford
University of Sheffield
University of Southampton
University of Strathclyde
University of Surrey
University College London

Warwick University
University of Wolverhampton
Nduka Ekere, Professor Derek Walton

Professor Paul Boyle
Professor Baron Peter Piot
Professor Rao Bhamidimarri
Professor Chris Linton
Dr John Roberts
Professor Nick Wright
Professor Alexander Orlov
Professor Nick Petford
Professor David Greenaway
Pro-Vice-Chancellor
(Research and Enterprise)
Dr Guy Hembury
Professor Sir Colin Berry
Sir David Bell
Professor Paul Hogg
Professor Nigel Mellors
Professor Ian Henderson
Gavin Costigan
Professor Sir Jim McDonald
Professor Michael Kearney
Professor Michael Arthur,
Professor Francesca Medda,
Pro Vice-Chancellor
Professor Geoff Layer, Professor

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
The UK Innovation Science Seed Fund LLP

Christopher Shelley
Dr Andrew Muir

Annual General Meeting

The AGM was held **Monday 17th July 2017** at 4.30pm in the Boothroyd Room, Portcullis House.

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

The Chairman advised that the following had confirmed their willingness to be elected as Officers of the Committee:

Chairman: Mr Stephen Metcalfe MP

Deputy Chair: Chi Onwurah MP

Hon Treasurer: The Lord Willis of Knaresborough

Hon Secretary: Carol Monaghan MP

Dr Stephen Benn proposed that the above Officers should be re-elected, this was seconded by Dr John Dudeney and approved by the meeting.

The Chairman advised that the following had confirmed their willingness to be elected as President and Vice-Presidents of the Committee, and to serve on the Advisory Panel:

President Lord Oxburgh

Vice-Presidents: Mr Paul Ridout

Mr Philip Greenish CBE

Dr Stephen Benn

Mr Atti Emecz

Professor Ian Haines

Dr Guy Hembury

Professor Coin Seabrook MBE

Ms Doris-Ann Williams MBE

Professor Francsca Medda

Advisory Panel: Mr David Youdan

Dr David Dent

Ms Rebecca Purvis

Dr Michael Elves proposed that the above Officers should be re-elected, this was seconded by Dr Mark Downs and approved by the meeting.

The Chairman formally welcomed Dr Isabel Spence who had taken up her post as Executive Secretary and Editor of Science in Parliament at the beginning of June.

Election of Life Members

Professor Alan Malcolm had retired as Executive Secretary in June.

The Chairman warmly thanked Alan for his 5 years of service to the Committee. Alan has steered the Committee through an interesting period which had seen many changes and his input into the work if the Committee would be missed.

The Chairman proposed, in recognition of his work and commitment to the Committee, that Professor Alan Malcolm should be elected as a Life Member.

This was seconded by Dr Guy Hembury and approved by the meeting.

To Receive the Annual Report for 2016

The Report included a Foreword by the President and a report on the work of the Committee by the Chairman, membership lists, minutes of the previous AGM, and details of meetings held in 2016.

During the year meetings were held on flood management, pathogen research, science and security, air quality, plastics, the use of radiotherapy in cancer treatment, new methods of power generation and science and warfare.

Several of the topics discussed by the Parliamentary and Scientific Committee had subsequently been included in the agenda for the Science and Technology Select Committee.

The Seminar held on Brexit - the risks and opportunities for UK Science with George Freeman MP had been very well attended. The Chairman expressed his grateful thanks to George Freeman for speaking at the event.

The British Science Week Seminar looked at the Zika Virus and the annual STEM for BRITAIN poster exhibition and competition for early-stage researchers, also held in Parliament during Science Week, was very well attended.

The P&SC Annual Lunch was held in November, the guest of honour was Ruth McKernan CBE, Chief Executive Innovate UK.

The meeting agreed to receive the 2016 Annual Report.

To Receive the Financial Statement for 2016

The Financial Statement for 2016 showed a deficit for the year of £15,641.

The Chairman advised that there had been a number of financial challenges during 2016 including additional staff costs as a result of providing cover for staff on sick leave.

Measures were being put in place to balance the accounts going forward. Quarterly publication of Science in Parliament had been resumed which would generate income from advertising and the Council would be focusing on membership retention and recruitment.

Doris-Ann Williams MBE proposed that the Financial Statement for 2016 be accepted, this was seconded by Paul Ridout and approved by the meeting.

Estimates for Income and Expenditure for 2017

The Estimates for Income and Expenditure for 2017 had been approved by the Council. A deficit for the current year of £14,200 was anticipated.

The accumulated surplus for the previous three years was in excess of £30,000 so there would not be cash-flow difficulties. Council would receive regular updates on finances.

Paul Jackson proposed that the Financial Estimated for 2017 be accepted, this was seconded by Dr John Dudeney and approved by the meeting.

Subscription Rates for 2018

The current rates, which have not been increased since 2012 are:

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 that there would be no increase in Subscription Rates for 2018.

Report from the Council - Summary

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

Membership:

The Council were delighted to welcome the University of Bedford and the Daphne Jackson Trust as new members in 2016

Unfortunately, during 2016 nine members decided not to renew their membership (five Commercial members, two Universities and two Scientific and Technical organisations.

P&SC also lost two Life members, Lord Patrick Jenkin (Deceased) and Dr H Peter Jost (Deceased) and one Individual member, Professor Jane Plant (Deceased)

During 2017 Council welcomed the University of Portsmouth and Professor Derek J Clements-Croome as an Individual member.

Council aims 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:

The Committee's future programme of meetings would be

- Tuesday 12th September 5.30pm – Fire resistant materials.
- Tuesday 10th October 5.30pm – Science and Brexit
- Tuesday 14th November 10.00am – Science and food manufacturing.
- Tuesday 21st November – Annual Lunch
- Monday 4th December 5.30pm – Data

Science in Parliament

Unfortunately, due to the illness and sad death of Annabel Lloyd, only one edition of *Science in Parliament* was published in 2016.

Dr Isabel Spence has now been appointed as Editor of *Science in Parliament* and quarterly publication has resumed. The last edition was published in June and the next *Science in Parliament* will be available in September.

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.

STEM for Britain

STEM for Britain, the annual poster competition and exhibition for early-stage researchers was held in the Attlee Suite, Portcullis House on Monday 13th March 2016.

Awards are made based on the very best research work and results by an early-stage or early-career researcher together with their ability to communicate their work to a lay audience.

To encourage maximum participation by early-career researchers and Members of Parliament the competition is divided into five subject areas:

- Biological and Biomedical Science
- Engineering
- Physics
- Chemistry
- Mathematics

There are 3 poster exhibitions and judging sessions during the day, each ending with a reception and prize-giving. The competition currently attracts around 500 entrants, of whom approximately 35% are selected to present their work in Parliament.

Judging panels for each category were formed of distinguished scientists and engineers from the Royal 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.

During the day, many Parliamentarians from both Houses of Parliament visited the Attlee Suite to view the posters and to meet their local early-career researchers.

Amendment of Constitution to provide for additional cheque signatories

There were currently only two authorized signatories on the HSBC Bank Mandate for the Parliamentary and Scientific Committee's bank accounts and Council had agreed that there was a need to increase the number of signatories.

The Council had put in place the procedure for authorizing financial transactions and all cheques would be signed and counter-signed by two of the signatories authorized by Council.

The Chairman proposed that the Committee's constitution should be amended as follows:

'Council shall nominate at least two but no more than six authorized signatories for the Committee Bank Account(s), one of whom must be The Committee's Treasurer.'

This was seconded by Dr Michael Elves and agreed nem-con.

Any Other Business

The Committee and the Royal Society had jointly produced a report on Science Priorities for Brexit which had been circulated to every member of the House. It was noted that collaboration with the EU on scientific issues was vital and the newly appointed Chair of the Science and Technology Select Committee would be picking this up.

Mr John Lowe suggested that there could be an Annual Lecture hosted by the Parliamentary and Scientific Committee with an address by a key industrial figure. It was agreed to explore this possibility.

Mr John Lowe advised that the Institute of Mechanical Engineers had confirmed their strong support for the Parliamentary and Scientific Committee and John indicated his willingness to stand for election to the Parliamentary and Scientific Committee's Council or one of its sub-committees.

The Annual General Meeting closed at 5.15 pm



Annual Report from the Chairman for 2017

Stephen Metcalfe MP

The past year saw many changes both for Parliament and the Parliamentary and Scientific Committee. Following the unplanned General Election, I was delighted to have been re-elected to represent South Basildon and East Thurrock.

Changes within the Committee saw Professor Alan Malcolm step down as Executive Secretary and Editor of Science in Parliament and we warmly welcomed Dr Isabel Spence into the role. We were delighted that Chi Onwurah (MP for Newcastle Central), who has an engineering background, agreed to be our Deputy Chair and that Carol Monaghan (MP for Glasgow North West) has taken on the Chairmanship of the Programme Committee.

STEM for BRITAIN. continued to attract more Members from both Houses than any comparable event and engineering for the first time attracted more applicants than biology and the life sciences.

The Committee delivered an interesting and varied programme of events this year. Disruptive technologies, the challenges of having fast and effective broadband nationally, mental health and human fungal diseases, science and food manufacturing and data as a resource, which linked in to our discussions on health issues. The excellent presentations given by our Guest Speakers and the ensuing discussions provided a platform to inform members about the latest developments in science and research and to help inform policy decisions.

The September meeting dealt with the sensitive issue of Fire -Resistant materials, with the Grenfell Tower tragedy foremost in our minds. I was privileged to have had the opportunity to meet some of the professional Firefighters that tackled the tragic inferno at Grenfell Tower. The maintenance of a world-class, professional fire and rescue service is something we all should support.

Brexit and its implications for scientific research came up in many of the topics considered by the Committee during the year. Our October discussion meeting focused on science priorities for Brexit, the need for the UK to retain its status as a science super power and for UK research and innovation to continue to compete on a global stage.

Looking forward, 2018 will also be a year of change as we bid farewell to Dr Isabel Spence. We are grateful that Dr William Duncan has stepped into the role.

Science will continue to be a high priority on the political agenda and we remain committed to working with the scientific community to deliver a programme of activities to help inform Parliamentarians and our members of developments in science and technology.

A handwritten signature in black ink, appearing to read 'W. Duncan', written over a horizontal line.

Addresses and Discussions 2017

See www.scienceinparliament.org.uk for further information

“Disruptive Technologies”

Monday 16th January 2017

Lee Davies, Chartered Institute of Patent Attorneys, Graham Bennett, Technology Manager, 3D Systems Europe Ltd, Professor Andrew Davison, Professor of Robot Vision, Department of Computing, Imperial College

“Why Can’t We Have Good Broadband Now?”

Monday 20th February 2017

Professor Will Stewart, Optoelectronics Research Centre, University of Southampton and Vice-President IET, Suzanne Clear, Senior adviser for planning and rural affairs, NFU
Dr Dana Tobak, Managing Director, Hyperoptic

STEM for Britain

Monday 13th March 2017

The STEM for Britain poster competition and exhibition continues 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

STEM for Britain continues to be the largest meeting of young scientists and their MPs worldwide.

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

Thursday 16th March 2017

“Holes – What Use Are They?” – National Science Week Seminar

Professor Peter Styles, Keele University, Dr Tony Batchelor, GeoScience plc, Dr Andrew Chadwick, British Geological Survey, Professor Cherry Tweed, Radioactive Waste Management, Dr Jonathan Naden British Geological Survey, Dr Chris Page, Camborne School of Mines, Exeter University

“Is Our Mental Health Improving?”

Monday 24th April 2017

Professor Jeremy Hall, Professor of Psychiatry and Neuroscience and Director Neuroscience and Mental Health Research Institute, Cardiff University, Lord Dennis Stevenson, Anna Garrod, Re-think

"What Have We Learned from Space Research?"

Monday 19th June 2017

Mark Gibbs , Met Office, Dr Chris Bridges, Surrey Space Centre, University of Surrey
Dr Roger Saunders, Met Office

"Human Fungal Diseases"

Monday 17th July 2017

Professor David Denning, University of Manchester, Dr Elizabeth M. Johnson, Public Health England, Professor Rosemary Barnes, Cardiff University

"Fire Resistant Materials"

Tuesday 12th September 2017

Dr Peter Bonfield, CEO, BRE., Professor Richard Hull, Professor of Chemistry and Fire Science, University of Central Lancashire, Brain Moore, Operations Director at BBA.

Tuesday 10th October 2017

"How research and innovation issues are being considered in Brexit negotiations"

Held in partnership with Confederation of British Industry, Royal Society and Universities UK

Sir Venki Ramakrishnan, President of the Royal Society, Tom Thackary, Director of Innovation CBI, Dr Sarah Main ,CASE, Professor Julia Buckingham, Universities UK.

"Data as resource"

Tuesday 14th November 2017

Simon Burall, Senior Associate, Involve, Dr Bissan Al-Laziakani, Head of Data Science, Institute of Cancer Research

Annual Lunch

Tuesday 21st November 2017

Guest Speakers: Lisa Anson, President Astra Zeneca UK and President ABPI, Sinead Lynch, Chair UK Shell

"Science and Food Manufacturing"

Tuesday 5th December 2017

Held in partnership with the APPF for Food and Drink Manufacturing and the Food and Drink Federation

Professor Tim Foster, Director, EPSRC Centre for Innovative Manufacturing in Food, John Bows, Research and Development Director, Pepsico, Helen Munday Chief Scientific Adviser, Food and Drink Federation, Professor Ian Noble, Senior R&D Director, Mondelez.

Front cover photograph – **Central Lobby**

Central Lobby - the centre point of Parliament - was designed by Charles Barry as a meeting place for Members of both Houses, and where MPs can meet their constituents.

The lofty stone octagon with its intricately tiled floor, rich mosaic-covered vaulted ceiling and intricately carved stonework is now in urgent need of conservation and repair in some areas.

The carved stonework is deteriorating due to the effects of rainwater damage and the mosaic tiles are under growing threat of detaching from the vault.

The Palace of Westminster Restoration and Renewal Programme has been established to tackle the significant work that needs to be done to protect and preserve the heritage of the Palace of Westminster and ensure it can continue to serve as home to the UK Parliament in the 21st century.

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Science in Parliament

The Journal of the Parliamentary and Scientific Committee

Science in Parliament has two main objectives:

- To provide for the scientific community an insight into the information and briefings supplied to Members of Parliament on scientific subjects.
- To keep Members of both Houses of Parliament abreast of developments in science and engineering.

Published four times a year, each issue includes:

- Authoritative addresses to the Parliamentary and Scientific Committee. Recent addresses have included Disruptive Technologies, Broadband, Mental Health, Space Research, Human Fungal Diseases, Fire-Resistant Materials, Data, Science and Food Manufacturing and Brexit - the implications for science.
- Reports on the activities of the Select Committees on Science and Technology in the House of Commons and House of Lords
- The Science Directory which is a source of expert advice or impartial opinion on scientific and technological subjects.

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