



# Parliamentary and Scientific Committee

An All-Party Parliamentary Group



## Annual Report

### 2021

## **Front Cover – The Robing Room**

The Robing room is principally used by the Sovereign for the State Opening of Parliament.

Today, it is in this room where the Queen puts on the Imperial State Crown and her ceremonial robes before making her way to the House of Lords. The 19th century Chair of State is provided for her use, beneath a canopy carved with the rose of England, the thistle of Scotland, the shamrock of Ireland and Queen Victoria's monogram.

The paintings by William Dyce in the room depict the chivalric virtues of hospitality, generosity, mercy, religion and courtesy, as represented through scenes from the legend of King Arthur and his court. (Two other frescoes, illustrating fidelity and courage were originally intended but were never carried out.)

The first State Opening of Parliament presided over by Queen Elizabeth II took place on 4 November 1952. This preceded her Coronation and was her first major state event. Large crowds gathered outside to catch a glimpse of the new monarch on the traditional royal procession to the Palace of Westminster.

The Parliamentary and Scientific Committee extend warmest wishes and congratulations to Her Majesty on the occasion of her Platinum Jubilee

*Parliamentary copyright images are reproduced with the permission of Parliament*

# The Parliamentary and Scientific Committee

## An All-Party Parliamentary Group

### Office-holders 2021

#### President

The Lord Broers FRS FMedSci FEng

#### Chairman

Mr Stephen Metcalfe MP

#### Deputy Chairman

Ms Chi Onwurah MP

#### Past Presidents

The Lord Oxburgh KBE FRS

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

Dr Stephen Benn

Mr Atti Emecz

Professor Ian Haines

Dr Guy Hembury

Ms Doris-Ann Williams MBE

Professor Francesca Medda

Sir Peter Bottomley

Chris Green MP

#### Hon Treasurer

Lord Willis of Knaresborough

#### Hon Secretary

Ms Carol Monaghan MP

#### Advisory Panel

Mr David Youdan

Dr David Dent

#### Secretariat

Mr Leigh Jeffes

Mrs Karen Smith

1 Lych Gate Walk, Hayes, UB3 2NN

E: [office@scienceinparliament.org.uk](mailto:office@scienceinparliament.org.uk)

[www.scienceinparliament.org.uk](http://www.scienceinparliament.org.uk)

Registered Address:

2nd Floor,

201 Great Portland Street, London

W1W 5AB

### Council

At the end of 2021 the following were members of the Council:

Sir Peter Bottomley

Lord Broers

Colin Danson

Professor David Dent

Professor Michael Elves

Mr Atti Emecz

Chris Green MP

Professor Ian Haines

Dr Guy Hembury

Mr Paul Jackson

John Lowe BEM

Professor Francesca Medda

Mr Stephen Metcalfe MP

Ms Carol Monaghan MP

Dr Douglas Naysmith

Ms Chi Onwurah MP

Professor Narender Ramnani

Mr Paul Ridout

Viscount Stansgate

Mr Ian Taylor MBE

Ms Doris-Ann Williams MBE

Lord Willis of Knaresborough

Dr Richard Worswick

Mr David Youdan

# Membership

## Parliamentary Membership

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

### House of Lords

Baroness Andrews

Lord Boswell of Aynho

Lord Broers

Lord Clement-Jones

Lord Craig of Radley

Lord Deben

Lord Fox

Lord Framlingham

Baroness Greenfield

Lord Hacking

Baroness Hamwee

Lord Haskel

Lord Hennessy of  
Nympsfield

Lord Hoyle

Lord Hunt of Wirral

Lord Jopling

Baroness Jones of  
Whitchurch

Lord Kakkar

Lord Kirkhope of Harrogate

Lord Krebs

Lord MacKenzie of Culkein

Lord McColl of Dulwich

Baroness Masham of Ilton

Baroness Neville-Rolfe

Baroness Nicholson of  
Winterbourne

Lord Oxburgh

Lord Patel

Lord Patten

Lord Rees of Ludlow

Lord Ribeiro

Lord Rooker

The Earl of Selborne  
(deceased February 2021)

Viscount Stansgate

Lord Sterling of Plaistow

Lord Stone of Blackheath

Lord Taverne

Lord Taylor of Holbeach CBE

Lord Tebbit

Baroness Thornton

Lord Trees

Lord Trefgarne

Lord Turnberg

Lord Vinson

Lord Waldegrave of North  
Hill

Baroness Walmsley

Baroness Warwick of  
Undercliffe

Lord Willis of  
Knaresborough

Lord Winston

Baroness Young of Old  
Scone

### House of Commons

Adam Afriyie

Bob Blackman

Sir Peter Bottomley

Andrew Bridgen

Jo Churchill

Dr Therese Coffey

Ronnie Cowan

Alex Cunningham

David Davies

Martyn Day

Thangam Debbonaire

Caroline Dinenage

Nigel Evans

Ruth Edwards

George Freeman

Mark Garnier

Sir Robert Goodwill

Rt Hon Michael Gove

Patrick Grady

Chris Green

Sir Bernard Jenkin

Gareth Johnson

David Jones

Kerry McCarthy

Stephen McPartland

Stephen Metcalfe

Rt Hon Ed Miliband

Carol Monaghan

David Morris

Chi Onwurah

Chris Philp

Jonathan Reynolds

Alok Sharma

Alec Shelbrooke

Jeff Smith

Karin Smyth  
Graham Stringer  
Alison Thewliss  
Stephen Timms

Ben Wallace  
Matt Warman  
Hywel Williams

## **Hereditary Peers**

Earl of Cranbrook  
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.

The President, The Royal Society (Sir Adrian Smith)

The President, The Royal Academy of Engineering (Sir Jim McDonald)

Government Chief Scientific Adviser (Sir Patrick Vallance)

Chief Scientific Adviser, Ministry of Defence (Professor Dame Angela McLean DBE)

Chief Scientific Adviser, Department for Environment, Food and Rural Affairs  
(Professor Gideon Henderson)

Chief Scientific Adviser, Department of Health (Professor Lucy Chappell)

Chief Scientific Adviser, Home Office (Professor Jennifer Rubin)

Chief Scientific Adviser, Department for Transport (Professor Sarah Sharples)

Chief Scientific Adviser, Foreign and Commonwealth Office (Professor Carole Mundell)

Chief Scientific Adviser, Department for Business, Energy and Industrial Strategy  
(Professor Paul Monks)

Chief Scientific Adviser, Food Standards Agency, (Professor Robin May)

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

Tam Dalyell

Dr Ian Gibson (deceased  
April 2021)

Dr Brian Iddon

Dr Tom Inch OBE

Professor Alan Malcolm

Dr Douglas Naysmith

Richard Page

Reg Sell

Ian Taylor MBE

Dr Desmond Turner

Dr Peter Warren CBE

## 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 John Allen  
Dr Bryan Hanley  
Professor Derek Clements-Croome  
Sir Frederick Crawford  
Dr John Dudeney OBE  
Dr William Duncan  
Philip Greenish CBE  
Professor Michael Elves  
Professor Ian Haines  
Paul Jackson

Professor Izzet Kale  
Dr Ashley Lenihan  
Professor Graham Machin  
Denise McLaverty  
Professor Robert Pickard  
Professor Chris Rapley  
Dr Elizabeth Rollinson  
Dr Anthony Whitehead  
Dr Keith Winters  
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.

AIRTO  
The Alan Turing Institute  
Association of Consulting Scientists

Professor Richard Brook OBE FREng  
Sir Adrian Smith  
The Chairman, Dr Chris Chatfield,  
Stuart Guy

Association of Management  
& Professional Staffs  
AWE  
Bit Bio Ltd  
The Babraham Institute

Tony Harding, Marijke Smith  
Colin Danson  
Helen McBain  
Professor Wolf Reik

## Scientific and Technical Organisations *(continued)*

Biochemical Society	Kate Baille, Adam Hughes
Biotechnology and Biological Sciences Research Council	Chief Executive
British Antarctic Survey	Professor Jane Francis
British Computer Society	Paul Martynenko
British Ecological Society	Dr Dan Osborn
British Geological Survey	Dr Karen Hanghoj
The British Institute of Radiology	Ms Carole Cross
British Measurement & Testing Assn	Greg Ward
British Neuroscience Association	Professor Narender Ramnani
British Pharmacological Society	Anna Zecharia
British Society for Antimicrobial Chemotherapy	Mrs Tracey Guise
British Society for Immunology	Matthew Gibbard
British Society of Soil Science	Sarah Garry
British Veterinary Association	Carl Padgett
CABI	Dr Richard Shaw
Campden BRI	Peter Headridge
Cavendish Laboratory	The Secretary
Chartered Institute of Ergonomics and Human Factors	David Noorzaman Rashid
Chartered Institute of Patent Attorneys	Dr Julian M Potter, R P Jackson, Lee Davies
Chartered Society of Forensic Sciences	Dr Anya Hunt
Chemring Technology Solutions Ltd	Pete Lockhart
Clifton Scientific Trust Ltd	Dr Eric Albone
CLOSER	Rob Davies
The Daphne Jackson Trust	Dr Katie Perry, Tim Julier
Diamond Light Source Ltd	Laura Male
Economic and Social Research Council	Tony McEnery, Ms Susie Watts
Energy Institute	Mrs Louise Kingham
Engineering & Physical Sciences Research Council	Roxy Squire, Ciara McLoone
Engineering Professors' Council	Johnny Rich
EngineeringUK	Mark Titterington
Foundation for Science and Technology	Gavin Costigan
Foundation for Science, Technology and Civilization	Dr Anne-Maria Brennan
Francis Crick Institute	Louise Wren, Helena Brown
Fraunhofer UK Research Ltd	Smon Andrews,
	Professor Martin D Dawson
	Richard Hughes
The Geological Society	Ken Marsh
The Ground Forum	Nick Shaw
Hazards Forum	Allan Chesney
Institute of Acoustics	

## Scientific and Technical Organisations *(continued)*

Institute of Biomedical Science	Nadine Rulliere
Institute of Corrosion	Dr Douglas Mills
Institute of Food Science and Technology	Jon Poole
Institute of Mathematics & Its Applications	Rosalind Azouzi
Institute of Materials Finishing	Professor Karl Ryder, Dr Trevor Crichton
Institute of Measurement and Control	Steff Smith
Institute of Physics	Professor Paul Hardaker
Institute of Physics and Engineering in Medicine	Professor Stephen O'Connor, Dr Richard Axell
Institution of Chemical Engineers	Jon Pritchard, Miles Seaman, Dr Robert Farley
Institution of Engineering and Technology	Paul Davies, FL Pitt, Robert Beahan, Anthony Kearns
Institute of Innovation and Knowledge Exchange	Professor Sa'ad Medhat
Institution of Mechanical Engineers	Dr Alice Bunn
In2scienceUK	Colby Benari
John Innes Centre	James Piercy, Dr Eva Sharpe
Learned Society of Wales	Emma Adamson
Knowledge Transfer Network	Dr Alicia Greated
Leeds Institute for Fluid Dynamics (LIFD)	Kara Hazelgrave
Linnean Society of London	Professor Anjali Goswami
Lloyd's Register Foundation	Ms Eileen Kingham
London Mathematical Society	Professor E Brian Davies
Marine Biological Association	Dr Matthew Frost
Materials UK	Professor Colin Seabrook MBE
Medical Research Council	Pauline Mullin
Met Office	Professor Stephen Belcher
Microbiology Society	Dr Peter Cotgreave
National Institute of Social and Economic Research	Jagjit Chadha
National Biofilms Innovation Centre (NBIC)	Victoria Randall
National Oceanography Centre, Southampton	Professor Edward Hill
National Numeracy	Julia Day
National Physical Laboratory	Dr Peter Thomson, Professor John Pethica, Alex Connor
Natural Environment Research Council	Professor Duncan Wingham
Natural History Museum	Sir Michael Dixon, John Jackson
Nuffield Council on Bioethics	Hugh Whittall, Catherine Joynson
The Nutrition Society	Dr Mark Hollingsworth
Operational Research Society	Gavin Blackett, Dr Roger Forder
Pembrokeshire Coastal Forum	Chief Executive



## Scientific and Technical Organisations *(continued)*

The Physiological Society	Daniel Burdass, Andrew Mackenzie
Plymouth Marine Laboratory	Professor Icarus Allen
Quadram Institute Bioscience	Andrew Chapple
Radioactive Waste Management	Professor Cherry Tweed
Rosalind Franklin Institute	Laura Holland
Royal Academy of Engineering	Dr Hayaatun Sillem, Dr A M Neville, Professor Michael Wood, Barry Haseltine, Dr William 'Stan' Jones
Royal Astronomical Society	Professor Emma Bunce, Philip Diamond, Dr Robert Massey
Royal Botanic Gardens, Kew	Professor Kathy Willis
Royal College of Pathologists	Michael Osborn, Janine Aldridge, Professor Diane Gaston
Royal College of Veterinary Surgeons	Dr Niall Connell
The Royal Institution	Director of Science and Education
Royal Meteorological Society	Liz Bentley
Royal Pharmaceutical Society of GB	The President, Professor Luigi G Martini
The Physiological Society	Daniel Burdass
The Royal Society	Sir Adrian Smith, Dr Julie Maxton, Dr Stuart Taylor
The Royal Society of Biology	Dr Mark Downs
The Royal Society of Chemistry	Dr Robert Parker, Matt Davies
The Royal Society of Edinburgh	Professor Sir John Ball
SCI Society of Chemical Industry	Sharon Todd, Dr David Bott
The Science Council	Helen Gordon
Science Made Simple Ltd	Wendy Sadler MBE
Science & Technology Facilities Council	Ms Natalie Bealing
Science Museum	Sir Ian Blatchford, Dr Oliver Carpenter, Doug Millard
Society for Applied Microbiology	Professor Mark Fielder, Dr Lucy Harper
Society for Underwater Technology	Ralph Rayner, Peter Metcalf, Dr Cheryl
Burgess	
Society of Cosmetic Scientists	The President
Society of Dyers and Colourists	Dr Graham Clayton
Society for Radiological Protection	Jim Thurston
TWI Ltd	Christoph Wiesner, John Wintle
The United Kingdom Accreditation Service	Richard Collin
UK Deans of Science	Professor Ian Haines
UK Health Security Agency	Professor Virginia Murray
UKRI	Roxy Squire
Understanding Animal Research	Ms Wendy Jarrett
Universities Federation for Animal Welfare	Dr Robert Hubrecht OBE
The Wellcome Trust	Sarah Rappaport
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 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  
ABPI - Association of the British  
Pharmaceutical Industry  
Association of Marine Scientific  
Industries  
AstraZeneca PLC  
British In Vitro Diagnostics Association  
Chemical Industries Association  
The Cosmetic, Toiletry and Perfumery  
Association Ltd  
David Dent Associates  
First Group PLC  
Geomatrix Earth Science Ltd  
International Business Machines Corp  
Johnson Matthey Plc  
LGC Ltd  
OptiRisk Systems  
Oxitec  
Rolls-Royce  
R S Clare & Co Ltd  
Society of Maritime Industries  
Varley Engineering Limited  
Vitabiotics Limited  
Yakult UK Ltd  
Zapgocharger Ltd

Dr Iain MacKellar  
  
Tracey Robins, Ali Hansford, Elliott Dunster  
  
Director  
Hillary Layard-Liesching  
Ms Doris-Ann Williams MBE  
Simon Marsh  
  
Dr Emma Meredith  
Professor David Dent  
Mac Andrade  
Tom Nicols  
Professor Jason Crain  
Ms Ellie Davison, Dr Peter Ellis  
Dr Derek Craston, Tim Robinson  
Professor Gautram Mitra  
  
Helen Kennett  
Roy Coldwell, Ian Meadows  
Paul Ridout, Tom Chant  
David Slater  
Robert Taylor  
Science Director, Louise Rayne Wilson  
Stephen Voller, Dr Hugh Sutherland

## 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.

University of Aberdeen  
Anglia Ruskin University

University of Bangor  
University of Bath

University of Bedfordshire  
University of Birmingham

University of Bolton

University of Bradford  
Brunel University  
University of Buckingham  
University of Buckingham  
Cardiff University  
Cardiff Metropolitan University  
University of Central Lancashire  
University of Chester  
City, University London  
Cranfield University

De Montford University  
University of Derby  
University of Dundee  
University of Durham  
University of East Anglia  
University of East London  
University of Edinburgh  
Edinburgh Napier University  
University of Essex  
University of Exeter  
Glasgow Caledonian University  
University of Greenwich  
Harper Adams University  
University of Hertfordshire  
University of Hull

Alex Ross  
Professor Roderick Watkins,  
Professor Eamon Strain  
Professor Iwan Davies  
Professor Jonathan Dawes,  
Dr Andrew Weyman  
Professor Jan Domin  
Professor Tim Jones, Professor A Schofield,  
Professor Myra Nimmo  
Professor Patrick Mc Ghee,  
Professor Kondal Reddy Kandadi  
Professor John Bridgeman  
Professor Dame Julia Buckingham  
Professor James Tooley  
Professor James Tooley  
Professor Rudolf Allemann  
Professor Cara Aitchison  
Professor StJohn Crean  
Professor Eunice Simmons  
Professor Anthony Finkelstein  
Professor Karen Holbrook CBE,  
Emma Butterwick  
Professor Kate Normington  
Professor Kathryn Mitchell  
Dr Karen Petrie  
Neil Heckels, Lisa Hodgson  
Executive Dean of Science  
Professor Verity Brown  
Professor Peter Mathieson  
Professor Gary R Hutchison  
Dr Robert Singh  
Professor Sir Steve Smith  
Professor Cam Donaldson  
  
Professor Michael Lee  
Vice Chancellor  
Professor Gilmartin,  
Professor Amar Ramudhin,  
Professor Lynne Frostick

## **University Members** *(continued)*

Imperial College London

Keele University

Kings College London

University of Lancaster

University of Leicester

University of Leeds

University of Liverpool

Liverpool Hope University

London Metropolitan University

London South Bank University

University of Loughborough

University of Manchester

Manchester Metropolitan University

Middlesex University

University of Northampton

University of Northumbria

The Open University

Oxford Brookes University

University of Portsmouth

University of Plymouth

Queen Mary, University of London

University of Reading

University of Roehampton

Royal Holloway, University of London

University of Andrews

University of Salford

University of Southampton

University of South Wales

University of Strathclyde

University of Sunderland

University of Surrey

Teesside University

University College London

Ulster University

University of Warwick

University of the West of England

(UWE Bristol)

University of West London

Provost, College Secretary,

Professor Paul French

Professor Jonathan Westling

Professor Richard Trembath,

Dr Sarah Markham,

Dr Richard Siow

Professor Dame Sue Black

Professor Martin A Bristow

Professor Kurt Langfield

Professor Wiebe van der Hoek

Professor Andrew Foulkes

Professor Lynn Dobbs, Dr Elizabeth Opara

Professor Josie Fraser, Professor Asa Barber

Professor Chris Linton

Dr John Roberts

Professor Steve Decent

Professor Sean Wellington

Professor Nick Petford

Professor Andrew Wathey CBE

Pro-Vice-Chancellor (Research and Enterprise)

Professor Alistair Fitt

Dr Guy Hembury

Professor Jerry Roberts

Professor Sir Colin Berry

Sir David Bell KCB

Professor Jean-Noel Ezingear

The Principal

Gareth Giles

Dr Stewart Eyres

Professor Sir Jim McDonald

Professor Jon Timmis

Professor Michael Kearney

Professor Simon Hodgson

Dr Michael Spence,

Professor Francesca Medda, Sarah Chaytor

Tim Brundle

Pro Vice-Chancellor

Professor Steve West CBE

Professor Peter John CBE

## **University Members** *(continued)*

University of Westminster

University of the West of Scotland

University of Wolverhampton

University of York

Nicola Haines

Professor Milan Radosavljevic

Professor Geoff Layer

Joan Concannon

## **Sixth Form College**

The National Mathematics and Science  
College

Dr Andy Kemp. Jocelyn D'Arcy

## **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, Vernon Hunte

# Parliamentary and Scientific Committee - APPG

## Minutes of the Annual General Meeting

Held online on **Tuesday 16th March 2021** at 12.30 pm

---

**Present:** Stephen Metcalfe MP (Chairman),

Dr Stephen Benn	Paul Jackson	Dr Anthony Whitehead
Lord Hacking	Lord Tebbit	Professor Michael Elves
Professor Chris Rapley	Sir Frederick Crawford	Andrew Mackenzie
David Bott	Leigh Jeffes	Professor Michael Wood
Professor Ian Haines	Lord Trees	Attila Emecz
Lord Ribeiro	Dr Trevor Crichton	Doug Millard
Dr Anne-Maria Brennan	Anthony Kearns	Dr Richard Worswick
Dr Guy Hembury	Professor Cherry Tweed	Dr Matthew Frost
Dr Elizabeth Rollinson	Colin Danson	Frederick Pitt
Lord Broers	Dr Ashley Lenihan	David Youdan
Dr Mark Hollingsworth	Dr Peter Warren CBE	Sarah Garry
David Slater	Dr David Dent	David Price
Commodore Barry Brooks	Monty Long	Professor Neil Gow
Dr Anya Hunt	Dr Joe Watson	Rebecca Purvis
Professor Mark E. Smith	Dr John Dudeney	
Gavin Costigan	John Lowe BEM	

Leigh Jeffes, Karen Smith, John Slater and Ben Allen were in attendance.

### 1. Apologies for Absence were received from:

Dr Eric Albone	Paul Ridout	Douglas Mills
Professor Peter John	Thangam Debonnaire MP	Sir Adrian Smith
Dr Katie Perry	Professor Tony Mann	Sir Peter Gregson
Sir Peter Bottomley MP	Nick Shaw	Carol Monaghan MP
Tim Julier	Professor Cam Donaldson	Lord Willis of
Professor Narender Ramnani	Professor Richard Massey	Knaresborough
Professor Derek Craston	Professor Sir Paul Curran	Chris Green MP
Professor Michael Lee	Sandra Gidley	Ms Carol Monaghan MP
		Doris-Ann Williams MBE

### 2. Business from the Chair

The Chair advised that The Earl of Selborne, who was a former president of this Committee, died peacefully at home on 12 February 2021, aged 80.

John had sat in the House of Lords from 1972 to 2020, and was a member of the House of Lords Science and Technology Committee on several occasions, chairing it from 2014 to 2017. He had a number of positions over his long career, including President of the Royal Geographical Society, Chairman of Trustees at the Royal Botanic Gardens at Kew, and a member of the Royal Commission on Environmental Pollution.

He was elected as a Fellow of the Royal Society in 1991.

A Minute's Silence was then held in honour of his memory.

### **3. MINUTES of Inaugural Meeting held on Monday 13th January**

The Minutes had been published in the Annual Report and had been circulated to all members.

The Minutes were approved and signed by the Chair.

#### **3.1 Matters arising not covered in the Agenda**

None

### **4. Election of Officers, Vice-Presidents, Advisory Panel and Council members for 2021/2022**

#### **4.1 Election of President – Lord Broers**

The election of Lord Broers as President was proposed by the Chair, seconded by Dr Stephen Benn and agreed nem-con by the Members of Parliament attending the meeting.

#### **4.2 Election of Officers, Vice-Presidents and Advisory Panel members for 2021/2022**

The election the following Officers, Vice-Presidents and members of the Advisory Panel was proposed by the Chair, seconded by Lord Broers and agreed nem-con by the Members of Parliament attending the meeting:

##### **Chairman**

Mr Stephen Metcalfe MP

##### **Deputy Chairman**

Ms Chi Onwurah MP

##### **Vice-Presidents**

Mr Paul Ridout

Dr Stephen Benn

Mr Atti Emecz

Professor Ian Haines

Dr Guy Hembury

Ms Doris-Ann Williams MBE

Professor Francesca Medda

Sir Peter Bottomley

Chris Green MP

##### **Hon Treasurer**

Lord Willis of Knaresborough

##### **Hon Secretary**

Ms Carol Monaghan MP

### **Advisory Panel**

Mr David Youdan

Dr David Dent

Ms Rebecca Purvis

#### **4.3 Election of Council members for 2021/2022**

The election of the following Council members was proposed by the Chair, seconded by Lord Broers and agreed nem-con by the Members of Parliament attending the meeting:

The Officers, Vice-Presidents and Members of the Advisory Panel

Colin Danson

Professor Michael Elves

Mr Paul Jackson

John Lowe BEM

Dr Douglas Naysmith

Professor Narender Ramnani

Mr Ian Taylor MBE

Dr Richard Worswick

#### **5. Election of Life Members**

The Chair thanked Lord Oxburgh, former President of the Committee, for his many years of valuable service, dedication and support and proposed that he be elected as a Life Member.

This was seconded by Lord Broers and agreed nem-con by the Members of Parliament attending the meeting.

#### **6. To receive the Annual Report 2020**

The Annual Report for 2020 had been circulated.

The Chair proposed that the Annual Report be accepted. This was seconded by Professor Michael Elves and agreed nem-con by the Members of Parliament attending the meeting.

#### **7. Finance**

##### **7.1 To receive the Financial Statement for 2020**

The Accounts for 2020 had been prepared by the Committee's Accountant, Peter Watts and had been circulated to all members.

The year end results for 2020 showed a small surplus of £5,634, as a result of an increase in subscription income from new members and savings in staff and office costs.

The Chair proposed that the Financial Statement for 2020 be accepted. This was seconded by Colin Danson and agreed nem-con by the Members of Parliament attending the meeting.

##### **7.2 Financial Estimates for 2021**

The 2021 Budget, approved by Council at its meeting held on 10th December 2020, had been circulated.



The budget showed an anticipated deficit for 2021 of £7,750.

It was noted that subscription income from members formed the major part of the Committee's revenue stream, chasing unpaid subscriptions was a vital task and the budget included a provision to resource this.

Leigh Jeffes would also be continuing with the project to recruit new members.

The Chair proposed that the Financial Estimates for 2021 be accepted. This was seconded by Colin Danson and agreed nem-con by the Members of Parliament attending the meeting.

### **7.3 To ratify Subscriptions for 2021**

Council had reviewed the membership subscription rates and recommended that the increase should be in line with inflation. Subscriptions for the previous two years had risen by 6% per annum to enable subscription levels to catch up following a period of several years when there had been no increase at all.

The proposed rates 2021 had been circulated.

The Chair proposed that the Subscription rates for 2021 be ratified. This was seconded by Professor Ian Haines and agreed nem-con by the Members of Parliament attending the meeting.

### **7.4 Grant Application to the Parliamentary Science and Technology Information Foundation**

Dr Stephen Benn advised that the Trustees of PSTIF had met on 8th March to consider an application from the Parliamentary and Scientific Committee for grant funding to support the publication of its Journal, Science in Parliament.

The request was for a grant of £18k to be paid over 3 years - £10,000 for 2021; £6,000 for 2022 and £2,000 for 2023.

The grant would underpin and strengthen the P&SC organisational capability and financial position for the next three years and would allow for reorganisation and reprioritisation of resources and expertise towards membership recruitment activities while ensuring it is possible to maintain standards and quality of production of Science in Parliament.

Dr Benn reported that the PSTIF Trustees independent of the Parliamentary and Scientific Committee had considered the proposal in depth and had approved the grant.

The Meeting recorded its thanks to Dr Benn for his assistance in progressing this and to Dr David Dent for preparing the Business Case.

## **8. Report from Council**

Dr Benn advised that Council had met 4 times during 2020 - the report had been circulated to all members.

### **8.1 Resourcing the work of the Committee**

Dr Benn advised that 2020 had been a very successful year for Committee despite the challenges of Covid and thanked the Administrative Team for their support.

## **8.2 Membership**

30 new members had joined the Committee during 2020 and it was noted that the online platform for P&SC Discussion Meetings had enabled wider participation including attendees from overseas.

Mr John Lowe advised that there were a few members of the former of the All-Party Engineering Group (APEG) who would like to continue membership with the Parliamentary and Scientific Committee as Individual members.

## **8.3 Programme**

The Chair thanked the Meeting Sponsors, Carol Monaghan MP for Chairing the Programme Committee and John Slater for taking on the role of Programme Manager.

Members were invited to send suggestions for future topics to John Slater or Karen Smith.

Mr Colin Danson advised that the wider participation enabled by using the Zoom webinar platform, the increased number of meetings and the breadth of topics had been welcomed.

## **8.4 Science in Parliament**

The Chair thanked Leigh Jeffes for his report which had been circulated to all members.

*Science in Parliament* was now being sent to all Members of the House of Lords as well as Members of the House of Commons.

There was an opportunity for Committee members to advertise their own events in the Journal and to sponsor the covers.

## **8.5 STEM for Britain**

The report from Leigh Jeffs had been circulated.

STEM 2021 was again very successful despite the challenges of holding the event online.

Minutes of the Annual General Meeting, 16 March 2021

There had been over 100 attendees for the virtual awards event on 8th March with a good attendance by Parliamentary Colleagues.

STEM 2022 was planned to be held in Westminster on Monday 7th March 2022.

The Chair thanked Doris-Ann William MBE for her support in chairing the STEM Organising Committee.

## **8.6 Social Media**

The Committee's presence on its social media platforms had continued to grow.

The Chair thanked Ben Allen, Paul Ridout, Doris-Ann Williams and Charlotte Hall for their assistance in facilitating this.

## **9 Any Other Business**

The Chair advised, in response to a question raised by Mr Doug Millard, that requests for contacting other Committee members could be channelled through Karen Smith.

The Inter-Parliamentary Union were organising a Webinar on “Building bridges between science and parliamentarians for the good of society”, on 17 March 2021. Members were asked to contact Karen Smith for further details.

**The Chair thanked members for attending the AGM and closed the meeting at 13.11.**



## **Annual Report from The Chairman for 2021**

**Stephen Metcalfe MP**

2021 has continued to be a difficult year with many more people having lost loved ones in the Covid-19 pandemic and an increasing number suffering the effects of long-Covid.

I extend my heartfelt thanks to all healthcare workers who have worked on the frontline throughout, particularly nurses, who have worked so hard to keep services operating.

I was shocked and saddened by the murder of Sir David Amess in October, a dedicated public servant carrying his usual duties and I send my deepest sympathies to his wife Julia, their son and their four daughters.

We were also saddened by the death of John Selborne who had chaired the House of Lords Science and Technology Committee and was a very active member of P&SC for many years and a past-President of the Committee.

In June 2021 we celebrated 'International Women in Engineering Day', recognising the brave and brilliant woman engineers who are pioneers in their field and who push to solve the everyday problems,

At the time of writing this, forecasters had just warned that Storm Eunice will be even more damaging than Storm Dudley, which has left tens of thousands of homes without power, downed trees, disrupted travel services and caused flooding in many areas. Our recent programme of Discussion Meetings have focussed on the consequences and challenges of Climate Change and it is pertinent that our next meeting will be looking at the impact of a changing climate and rising seas on coastal communities .

We had to continue our meetings online - our very successful webinar topics have included the ongoing issues around the Covid pandemic; the UK-EU deal for Science; UK telecoms and infrastructure; Sector Deals for SME's; the National Quantum programme; the role of Science in the Government's 'Build Back Better' plan; the Natural Capital Initiative; UK neurological research and the science and ethics of genome editing.

We were able to hold our Awards Ceremony for the STEM for Britain 2021 Competition winners in Portcullis House in December and I am looking forward to STEM for Britain 2022 which will take place in a few weeks time. STEM for Britain provides the opportunity to showcase the incredibly high standard of work being undertaken by our early-career researchers.

I am hoping that we will also be able to hold some of our Discussion meetings in the Houses of Parliament this year and our Annual Lunch is planned to be held in the Cholmondeley Room and Terrace in July.

We will continue to work in partnership with our Members and the scientific community to help ensure parliamentary colleagues understand what needs to be done to maintain and grow UK research and innovation.

Last year we welcomed 23 new members to the Committee – please do get in touch with Leigh Jeffes if you would like information about joining.

I am grateful to Leigh Jeffes and to Karen Smith for all their work on behalf of the Committee and to the wider P&SC Team – Dr Isabel Spence, John Slater Ben Allen and Alfie Hoar for their help.

I am also grateful to Vice- President Viscount Stansgate for undertaking the chairing of the P&SC Council meetings and deputising for me at Discussion Meetings in my absence; to Carol Monaghan MP for chairing the Programme Committee and to Vice-President Doris-Ann Williams MBE for chairing the STEM for Britain Organising Committee meetings.

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

# Addresses and Discussions 2021

See [www.scienceinparliament.org.uk](http://www.scienceinparliament.org.uk) for further information

## **"UK Telecommunications and Infrastructure"**

**Monday 18th January 2021**

Dr Ashley Thomas Lenihan, Author of 'Balancing Power without Weapons: State Intervention into Cross-Border Mergers & Acquisitions';

Roger Brown, CEO, Cioux Group;

Dave Essery, Director, Cioux Technology Services.

---

## **"What does the UK-EU deal mean for science?"**

*Hosted in partnership with the Royal Society*

**Monday 1st February 2021**

Re Hobley, Deputy Director, EU Exit Negotiations and Engagement, The Department for Business, Energy and Industrial Strategy;

Sir Richard Catlow FRS, Foreign Secretary and Vice-President, The Royal Society;

Martin Smith, Policy & Advocacy Manager (UK & EU), Wellcome Trust;

Anne-May Janssen, Head of European Engagement, Universities UK International.

---

## **"Sector Deals for SME's"**

**Monday 15th February 2021**

Karl S. Ryder, Professor of Physical Chemistry, Postgraduate Tutor, Materials Centre, School of Chemistry, University of Leicester;

Paul Mason, Director of Innovation Policy, Innovate UK;

Brian Norton, Managing Director, Indestructible Paint Ltd, Birmingham.

---

## **"Update on Covid-19"**

*Held in partnership with the Academy of Medical Sciences, the British Academy, the Royal Academy of Engineering and the Royal Society.*

**Monday 15th March 2021**

Professor Judith Breuer FMedSci, Director of Infection and Immunity, Professor of Virology at UCL;

Professor Melinda Mills MBE: Fellow of the British Academy, Director, Leverhulme Centre for Demographic Science, University of Oxford & Nuffield College;

Dr Shaun Fitzgerald FEng Royal Academy of Engineering Visiting Professor in Sustainable Buildings at the University of Cambridge;

Professor Charles Bangham FMedSci FRS: Professor of Immunology, Faculty of Medicine; Co-Director of the Institute of Infection, Imperial College London.

---

---

### **"The UK National Quantum Programme",**

*Held partnership with UKRI InnovateUK*

**Monday 12th April 2021**

Ilana Wisby - CEO of Oxford Quantum Circuits ;

Roger McKinlay - Challenge Director - Quantum Technologies, UK Research and Innovation;

Sir Peter Knight, founder of the UK's National Quantum Technology Programme and chair of its strategic advisory panel.

---

### **"What is the role of science in delivering the Government's plan to 'Build Back Better?'"**

*Held in partnership with the Physiological Society.*

**Monday 17th May 2021**

Paul Drabwell - Deputy Director Place, Impact & Research, Department for Business, Energy and Industrial Strategy;

Professor David Paterson - President, The Physiological Society and Head of Department of Physiology, Anatomy and Genetics, University of Oxford;

Steve Rees - Vice President for Discovery Biology, AstraZeneca;

Naomi Weir - Head of Innovation, CBI.

---

### **"Natural Capital Initiative"**

*Sponsored by Plymouth Marine Laboratory*

**Monday 7th June 2021**

Professor Nicola Beaumont, Head of Sea and Society, Plymouth Marine Laboratory ;

Professor Ian Bateman OBE, Director, Land, Environment, Economics and Policy Institute, University of Exeter;

Dr Vicky Morgan, Marine Natural Capital Leader, Joint Nature Conservation Committee.

---

### **"Transition to Net Zero",**

*Held in partnership with the Met Office*

**Monday 5th July 2021**

Professor Jason A. Lowe OBE, Head of Climate Services for Government at the Met Office;

Professor Jim Skea CBE, Professor of Sustainable Energy . Imperial College London and Co-Chair of IPCC Working Group III;

Dr Alex Archibald , Associate Professor and Group Leader for the atmospheric chemistry modelling group in the Yusuf Hamied Department of Chemistry, University of Cambridge.

---

### **"Mathematical modelling and algorithms"**

*Held in partnership- with the Institute of Mathematics and its Applications*

**Monday 13th September 2021**

Dr Nira Chamberlain , President, Institute of Mathematics and its Applications;

Dr Kit Yates, Senior Lecturer Department of Mathematics, University of Bath;

Dr Ellen Brooks Pollock, Associate Professor Bristol Veterinary School, University of Bristol;

Dr Hannah Fry, Centre for Advanced Spatial Analysis Faculty of the Built Environment, UCL.

---

**'Brain Gain: how world-leading UK neuroscience research can meet tomorrow's societal challenges,'**

*Held in partnership with the British Neuroscience Association.*

**Tuesday 12th October 2021**

Professor Tara Spire-Jones, Centre for Discovery Brain Sciences, University of Edinburgh;

Matt Eagles, winner of the BNA's Public Engagement of Neuroscience Award 2020 ;

Professor Timothy Constandinou, Professor of Bioelectronics, the Deputy Head of the Circuits and Systems Research Group and Centre of Bio-Inspired Technology at Imperial College London;

Professor Masud Husain, Nuffield Dept Clinical Neuroscience, University of Oxford.

---

**"Genome editing and farmed animal breeding: social and ethical issues"**

*Held in partnership with the Nuffield Council on Bioethics*

**Monday 29th November 2021**

Professor John Dupré, Professor of Philosophy of Science at the University of Exeter and Director of Egenis, the Centre of Study of Life Sciences;

Elizabeth Cripps, Senior Lecturer in Political Theory at the University of Edinburgh and Associate Director of CRITIQUE: Centre for Ethics and Critical Thought;

Darren Bhattachary, CEO of Basis Social.

---

**"STEM for Britain 2021 Awards Ceremony**

**Monday 5th December 2021**

The 2021 STEM for Britain poster exhibition and competition for early career researchers took place in March 2021 and had to be held on-line due to the ongoing Covid pandemic.

We were however delighted to be able to return to the Place of Westminster for the Awards Ceremony in December.

Please go to <https://stemforbritain.org.uk/> for more information

---



# 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 covered issues around Covid, Sector Deals for Science, UK telecoms and infrastructure, the National Quantum programme, the Natural Capital Initiative, UK neurological research, the science and ethics of genome editing and Climate Change
- 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.

---

## Enquiries to:

Science in Parliament

Tel: 07561 684427

E mail: [office@scienceinparliament.org.uk](mailto:office@scienceinparliament.org.uk)

[www.scienceinparliament.org.uk](http://www.scienceinparliament.org.uk)